Office of Research and Grants
FY 2017 Annual Report

Submitted by:
Darlene Berryman, PhD, RD, LD
Interim Associate Dean for Research and Innovation
Table of Contents

Overview ............................................................................................................................................. 4
A. Organization ................................................................................................................................ 7
B. Mission Statement ....................................................................................................................... 8
C. Services Available ........................................................................................................................ 9
D. Faculty and Staff Research and Creative Activity ................................................................. 9
   a. External Grant and Contract Funding .................................................................................. 10
   b. Publications .......................................................................................................................... 10
   c. Intramural Funding .............................................................................................................. 11
   d. Abstracts, Presentations, Posters and Seminars ................................................................. 11
   e. Other Research-Related Service Activities, Honors and Awards ........................................ 11
   f. Patents and Invention Disclosures ...................................................................................... 12
E. Student Trainees Engaged in Research ..................................................................................... 12
   a. Research and Scholarly Advancement Fellowship (RSAF) ................................................... 13
   b. Eli Lilly Medical Student Rotation ........................................................................................ 13
   c. Student Research Support ................................................................................................... 13
F. Enrichment Activities ................................................................................................................. 14
   a. Student Research and Creative Activity Showcase ............................................................. 14
   b. Integrated Biomedical and Health Systems Science Seminar Series ................................. 14
   c. Research and Scholarly Awards Committee ........................................................................ 14
G. Goals for Upcoming Year ........................................................................................................... 15
   a. Strengthen Research and Promote Collaborations ............................................................. 15
   b. Office Organization and Services ....................................................................................... 15
   c. Future Reporting .................................................................................................................. 15
Section II: Clinical and Translational Research Unit (CTRU) ............................................................. 15
APPENDIX A: FY2017 Heritage College Reporting Faculty and Staff ........................................ 22
APPENDIX B: FY2017 Heritage College Grant and Contract Income ........................................ 26
APPENDIX C: FY2017 Heritage College Publications .................................................................. 41
APPENDIX D: FY2017 Heritage College Intramural Funding ...................................................... 50
APPENDIX E: FY2017 Heritage College Abstracts, Presentations, Posters and Seminars ............................... 53
APPENDIX F: FY2017 Heritage College Other Research-Related Service Activities, Honors and Awards ............................................................................................................................... 64
APPENDIX G: FY2017 Heritage College Technology Transfer ........................................................................ 68
APPENDIX H: FY2017 Heritage College Student Trainee and Post-Doctoral Trainee Information .................. 70
APPENDIX I: FY2017 Research and Scholarly Advancement Fellowship Program ........................................ 83
APPENDIX J: FY2017 Integrated Biomedical and Health Systems Science Seminar Series Information .......................................................................................................................... 84
APPENDIX K: FY2017 Research and Scholarly Awards Committee Membership .......................................... 85
Section I: The Office of Research and Grants

Overview
The Heritage College houses a diverse, talented and productive array of students, staff, faculty and institutes that are engaged in scholarly works. This report summarizes these research activities, highlighting college-wide accomplishments as opposed to individual contributions. There are several issues to consider when reviewing this document:

- This fiscal year ended with a change in leadership within the Office of Research and Grants, which is more fully described in subsequent sections. This significant adjustment makes it difficult to provide a comprehensive annual report that also includes goals related to the future direction and structure of this office since the change took place so recently.

- The annual report has evolved over time, including different data in different years. With the exception of external funding, this evolution has not allowed measurement of the progress over time for key outcomes. The Heritage College has made significant investments in bolstering research activities, and the impact that this investment has had on the overall research portfolio needs to be better captured in future years. Determining appropriate measurable outcomes to evaluate research productivity are needed. For the one variable that has been consistently measured (external funding), the total revenue generated this year ($12M) was slightly lower than in the previous report ($16.6M). However, our reliance on Osteopathic Heritage Foundations funding has decreased and our overall NIH funding increased since the past report, both of which are highly desirable outcomes despite lower overall revenue.

- Activities of Heritage College institutes (Diabetes Institute, Infectious and Tropical Disease Institute, Ohio Musculoskeletal and Neurological Institute) are not included in this report as they engage faculty and staff across the university and not just within the Heritage College. All three institutes housed within Heritage College have a significant focus on research, engage many students and are highly productive (see annual reports of each Institute). Thus, they are a significant research strength, and their collective productivity are a reflection of the research investments made by the Heritage College. Activities of Primary Care Research Initiatives are also summarized in a separate report. However, as only Heritage College faculty and staff are involved in this initiative, the Office of Research and Grants report does include the efforts made collectively by this group.

- With the exception of external funding data, this report only includes the information of those faculty and staff that provided the information to our office. We acknowledge that for many reported items, we have only captured a fraction of the scholarly works from a subset of individuals engaged in research within the college. The list of those that provided information is provided in Appendix A. Efforts to increase participation and find a better means to efficiently report and compile research data are being explored.

- The college supports a number of students, both within and outside the college, engaged in research activities. This involvement has not been adequately reported in the past and
represents a major contribution of our faculty and staff, not only to the college but also to the university. While we have attempted to summarize this information in the current annual report, we appreciate that our data are incomplete, and the impact not fully described. Moreover, the Heritage College has many programs available to support student research that our housed in different units and with inconsistent procedures for funding distribution. We are actively working to better understand and streamline these procedures in the upcoming year.

- The Clinical & Translational Research Unit (CTRU) has continued to advance the capacity of this office to support clinical research. In doing so, the CTRU has become a framework for university-wide collaborative research, serving faculty from 5 colleges and 3 institutes.
- The Office of Research and Grants also recognizes the importance of fostering collaborative research with partners external to the university. For example, we have facilitated an expanding research portfolio with our partners at OhioHealth that provides opportunities for faculty and students to engage in research.

The function of this office is to provide a service for all research and scholarly activities to faculty, staff and students of the Heritage College. With the exception of the CTRU, data or benchmarks related to the impact of our services on research endeavors is not available. We need to identify means to better track and understand the services used and desired by those in the college, which will allow us to more appropriately align the needs of the colleges with the services being offered by our office.

In conclusion, while there are shortcomings in our methods for gathering and reporting outcomes, and the research strategy and goals are being re-evaluated, the following report clearly demonstrates a college that has an impressive array of scholarly works and that is poised to be a leader among osteopathic schools in research.
HERITAGE COLLEGE RESEARCH

FISCAL YEAR 2017 IN REVIEW

$12M
IN EXTERNAL FUNDING

17
ISSUED AND ACTIVE PATENTS

118*
PEER-REVIEWED PUBLICATIONS

926
STUDY VISITS IN THE CTRU

244*
TRAINEES INVOLVED IN HERITAGE COLLEGE RESEARCH PROJECTS

28*
STUDY SECTIONS AND OTHER GRANT REVIEWING ACTIVITIES

* Data from Reporting Faculty and Staff Only
A. Organization

The Office of Research and Grants is charged with establishing and implementing research strategy and objectives in line with overall College and University priorities, identifying funding resources, expanding core facilities, administering the College research budget, and overseeing the College’s research enrichment activities. Staff members include:

- Darlene Berryman, PhD, RD, LD, Interim Associate Dean for Research and Innovation
- Laura Rush, RN, DVM, PhD, MBA, Interim Executive Director, Research and Executive Director, Clinical and Translational Research Unit
- Melissa Standley, MEd, Interim Executive Director of Operations
- Jody Van Bibber, Interim Executive Assistant to the Associate Dean
- Jessica Wingett, MA, Executive Director

The Clinical and Translational Research Unit (CTRU) and the CORE Research Office (CRO) also fall under the umbrella of the Office of Research and Grants (ORG). CTRU staff members include:

- Crystal Brooks, BS, Clinical Research Associate/Laboratory Manager
- Rachel Clift, MSN, RN, Senior Clinical Project Manager
- Megan Cochran, BS, Community Outreach and Engagement Specialist
- Tiffani Hart, BSH, Administrative Services Associate
- Timothy Law, DO, Medical Director, CTRU
- Lynn Petrik, BSN, RN, Research Nurse
- Cammie Starner, RN, Research Nurse
- Lee Ann Williams, BA, Senior Clinical Project Manager

CRO staff members include:

- Karen Collins, MPA, Program Manager
- Godwin Dogbey, PhD, Biostatistician
- Victor Heh, PhD, Biostatistician
Note: There were numerous staffing changes during the past year. Dr. Darlene Berryman replaced Dr. Sonia Najjar as the Interim Associate Dean for Research and Innovation in June, 2017. Melissa Standley, MEd, and Jody Van Bibber joined the Office of Research and Grants in interim positions in June, 2017, and Dr. Laura Rush’s position was expanded to include broader research oversight. Dr. Shinichi Amano resigned his position as Clinical Research Scientist in October, 2016. Crystal Brooks, BS was hired as Clinical Research Associate/Laboratory Manager in April, 2017, and Lauren Volz, Research Assistant, resigned in June, 2017. The CORE Research Office (Karen Collins, MPA, Dr. Godwin Dogbey and Dr. Victor Heh) transferred to the Office of Research and Grants in November, 2016. Lastly, Primary Care Research Initiatives (Kelly Nottingham, MPH, CHES, Lisa Forster, MS, and Laura Jensen, MPH) transferred to the Department of Family Medicine in October, 2016.

B. Mission Statement

The mission of the Office of Research and Grants is to provide leadership, support, and coordination of all research and scholarly activities to faculty, staff, and students of the Heritage College. Our office represents the college’s research and program interests through interactions with the Office of Graduate Medical Education, Ohio University, the State of Ohio, the osteopathic profession, federal and private external granting agencies,
and the public.

C. Services Available
The Office of Research and Grants:
- Provides funding for research activities
  - Seed money for faculty research projects through the Research and Scholarly Awards Committee (RSAC)
  - Internal awards to support pilot studies, investments in new or ongoing research and mentored student research
  - Support for medical student research through awards for student research projects, conference and convention travel to present research findings and Research and Scholarly Advancement Fellowship (RSAF) payments
- Provides coordination of and support for human subjects research through the Clinical and Translational Research Unit (CTRU) (See CTRU report beginning on page 15)
- Offers research design assistance, statistical support, and training
- Coordinates internal and external pre-reviews for grant proposals
- Directs faculty, staff, and students to appropriate resources for research and program projects
- Facilitates industry-sponsored clinical trials
- Serves as a liaison for research to external constituents
  - Ohio University Office of the Vice President for Research
  - Ohio University Office of Research and Sponsored Programs (ORSP)
  - Ohio University Office of Compliance – Institutional Animal Care and Use Committee (IACUC), Institutional Review Board (IRB), and the Technology Transfer Office
  - Other academic and administrative units within Ohio University
  - Other academic institutions
  - American Osteopathic Association and Ohio Osteopathic Association
  - Healthcare delivery sites and systems
  - Public and private granting agencies
  - State and local government agencies
  - Community groups
- Provides research-related educational activities for faculty, staff, and students

D. Faculty and Staff Research and Creative Activity
Research and creative activity information is collected directly from Heritage College faculty and staff members, Ohio University’s LEO system and various other Ohio University offices. 56 Heritage College faculty and staff members (Appendix A) reported information for FY 2017.
a. External Grant and Contract Funding
Details of this year’s new and continued research and program grant activities are provided in Appendix B. These data illustrate that academic and community service interests at the Heritage College are highly diverse and include collaborative ventures with other Ohio University colleges and constituencies beyond the University. Heritage College grant and contract revenue received during FY 2017 totaled over $12M and consisted of:

- 23 external research grants with a total revenue of $2,696,279, including 8 NIH grants with a total revenue of $1,947,737
- 29 external public service grants with total revenue of $1,711,888, including 1 Health Resources and Services Administration (HRSA) grant with a total revenue of $200K
- Osteopathic Heritage Foundations (OHF) Vision 2020 grant revenue totaling over $2.6M
- Ohio Department of Higher Education subsidies totaling over $4.1M
- CORE member and Affiliate Colleges of Osteopathic Medicine (ACOM) payments totaling $945,893
- Scholarship/fellowship grants totaling $210,481

b. Publications
Our faculty and staff continue to publish in major journals in their respective fields. It is our objective to raise the impact of publications and strike a balance between quantity and quality, as both are critical to our external grant funding, fundraising...
activities, and to our rank among osteopathic medical schools in the United States.

Heritage College faculty and staff reported a total of 118 peer-reviewed publications, 12 reviews and six book chapters during FY 2017. With 138 peer-reviewed publications and three book chapters reported in FY 2016, the decrease in quantity may not be a significant concern as the more important variable of quality of these published works is challenging to assess based on the data collected. Detailed information is provided in Appendix C.

c. Intramural Funding
Heritage College faculty and staff reported over $2M in intramural funding from FY 2017. Detailed information is provided in Appendix D. As illustrated, funding included a variety of awards to support student mentored research activities ($52,807), purchase equipment ($50,000), and conduct research with faculty outside the Heritage College ($1,033,303).

d. Abstracts, Presentations, Posters and Seminars
Faculty, staff and students represented the Heritage College with research abstracts, presentations, posters and seminars in 206 distinct, reported, presentations during FY 2017. Investigators presented in 107 different conferences, meetings, symposiums, webinars and/or seminars, with representation in 18 international forums. Detailed information is provided in Appendix E.

e. Other Research-Related Service Activities, Honors and Awards
Faculty and staff of the Heritage College are engaged in numerous research-related activities and have received notable awards and honors. Below summarizes those activities and honors that are, except in rare cases, external to Ohio University. Detailed information is provided in Appendix F.

<table>
<thead>
<tr>
<th>Number of Study Sections</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Other Grant Review Activities</td>
<td>18</td>
</tr>
<tr>
<td>Number of Editorial Boards</td>
<td>27</td>
</tr>
<tr>
<td>Number of Other Research Related Activities</td>
<td>37</td>
</tr>
<tr>
<td>Number of Honors and Awards</td>
<td>9</td>
</tr>
</tbody>
</table>
f. Patents and Invention Disclosures
Innovations and discoveries made by Heritage College faculty and staff are reflected in their engagement with the Ohio University Technology Transfer Office during the reporting year and are contained in the table below. Detailed information is provided in Appendix G.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Agreements Filed</td>
<td>24</td>
</tr>
<tr>
<td>Number of Invention Disclosures</td>
<td>6</td>
</tr>
<tr>
<td>Number of Patents Filed</td>
<td>9</td>
</tr>
<tr>
<td>US Provisional = 3</td>
<td></td>
</tr>
<tr>
<td>PCT = 2</td>
<td></td>
</tr>
<tr>
<td>US Utility = 4</td>
<td></td>
</tr>
<tr>
<td>Number of Patents Issued</td>
<td>1</td>
</tr>
<tr>
<td>Number of Issued and Active Heritage College Patents</td>
<td>17</td>
</tr>
<tr>
<td>Number of Heritage College Patent Applications in Progress</td>
<td>40</td>
</tr>
</tbody>
</table>

E. Student Trainees Engaged in Research
Heritage College faculty and staff mentored 244 trainees during FY 2017. Importantly, this included many graduate and undergraduate students housed in programs outside our college. Their collective scholarly output was impressive. 50 trainees were first authors on external presentations at national or international venues. Detailed trainee information is provided in Appendix H.
a. **Research and Scholarly Advancement Fellowship (RSAF)**

RSAF brings together second year medical students with Heritage College faculty members in various research endeavors. The purpose of the program is to offer students research opportunities and to help them gain an appreciation for research that will have remain with them throughout their careers. For ten weeks during the summer session, the fellows work on faculty-mentored research projects and attend research related seminars. Seminar topics include medical literature searches, research ethics, clinical research, critical analysis of journal articles, Institutional Review Board, and statistics. A total of 22 students were funded in FY 2017, mentored by 14 distinct Heritage College faculty. Detailed information on students and faculty mentors is provided in Appendix I.

b. **Eli Lilly Medical Student Rotation**

In FY 2017, the Heritage College of Osteopathic Medicine joined Eli Lilly and Company’s innovative rotation program for aspiring physicians. Launched in early 2014, the program provides students with hands-on experience in a range of pharmaceutical business activities, from drug discovery and development to bioethics and patient safety. The Heritage College is one of four medical schools to partner with Lilly on its Medical Student Rotation Program. Jacob Koopman is the first Heritage College student accepted to the program. He completed his rotation in April, 2017. The Office of Research and Grants helps coordinate this opportunity.

c. **Student Research Support**

Student research continues to be an important part of medical education at the Heritage College. Students registered 173 research projects and scholarly activity projects with the Office of Research and Grants (ORG). In addition, ORG provided four research seed funding grants in the amount of $9,445 and 42 travel grants in the amount of $15,225. Forty-five posters were printed by ORG. This activity represents a 7.7% growth in travel grants and a 28.25% growth in poster presentations over FY 2016. Details are provided below. In addition, 39 Heritage College Students participated in the Ohio Osteopathic Symposium in April, 2017.

<table>
<thead>
<tr>
<th></th>
<th>Seed Funding (# of Awards and Total)</th>
<th>Travel Awards (# of Awards and Total)</th>
<th>Posters (# Printed and Total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athens</td>
<td>3</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>Dublin</td>
<td>0</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Cleveland</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Total Awards</td>
<td>4</td>
<td>42</td>
<td>45</td>
</tr>
<tr>
<td>Total Funding</td>
<td>$9,445</td>
<td>$15,225</td>
<td>$2,371</td>
</tr>
</tbody>
</table>
F. Enrichment Activities

a. Student Research and Creative Activity Showcase

In collaboration with the College of Health Sciences and Professions, the Heritage College hosted the 2017 Student Research and Creative Activity Showcase on Thursday, April 13, 2017. This event featured undergraduate, graduate, and professional student research conducted in the two colleges. Heritage College students were given the opportunity to participate in the event through poster presentations.

b. Integrated Biomedical and Health Systems Science Seminar Series

During FY 2017, the Office of Research and Grants launched a new research seminar series with the intent of enhancing research productivity by promoting integration and scientific exchanges. There were 10 research seminars featuring prominent national and international speakers. Detailed information on the seminars and speakers is provided in Appendix J.

c. Research and Scholarly Awards Committee

The Research and Scholarly Awards Committee (RSAC) provides research support to the Heritage College faculty to enhance research activity and to increase competitiveness for funding from external grant agencies. Proposals are accepted on a rolling basis and are reviewed by standing RSAC committee members and ad-hoc intramural content experts.

The membership of RSAC is composed of voting faculty and ex-officio members as follows: two (2) elected representatives from the non-clinical departments, two (2) elected representatives from the clinical departments and two (2) representatives appointed by the Executive Dean. The Committee is advisory to the Associate Dean for Research and Innovation and, in turn, the Executive Dean. The ex-officio non-voting members are the Executive Director, Office of Research and Grants, a biostatistician and the Associate Dean for Research and Innovation (except in the event of a tie wherein the Associate Dean for Research and Innovation will cast the tie-breaking vote). Upon recommendation of the Associate Dean for Research and Innovation, the Executive Dean designates a voting faculty member to serve as chairperson annually. FY 2017 committee members are provided in Appendix K.

During FY 2017, RSAC awarded the following:

<table>
<thead>
<tr>
<th>Faculty Member</th>
<th>Award Amount</th>
<th>Award Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Craig Nunemaker, PhD</td>
<td>$8,000</td>
<td>4/2017-4/2018</td>
</tr>
<tr>
<td>Sonsoles de Lacalle, MD, PhD</td>
<td>$15,000</td>
<td>5/2017-6/2018</td>
</tr>
</tbody>
</table>
G. Goals for Upcoming Year

a. Strengthen Research and Promote Collaborations
   • Re-evaluate the College research strategy and goals
   • Continue to improve the research infrastructure with a focus on building sustainable core facilities
   • Align scientific expertise with focal areas of research and with the College research strategy
   • Instill a culture of peer review, quality publications and external funding to support sustained research programs
   • Sponsor enrichment programs that enhance research productivity
   • Enhance grant writing support services
   • Provide sufficient graduate student access to our faculty
   • Identify and facilitate collaborations with key external partners

b. Office Organization and Services
   • Assess needs of faculty to provide better service for research activities
   • Coordinate and/or consolidate research resources available to faculty in the college
   • Provide additional support for the development and oversight of grant budgets
   • Improve the overall efficiency of research administration
   • Re-evaluate and/or revise internal funding mechanisms to better meet the need of faculty, staff and students

c. Future Reporting
   • Identify appropriate metrics to gauge effectiveness of services provided by the Office of Research and Grants
   • Determine a means to capture training activities of faculty and staff to better understand impact of our college on university student programs
   • Implement the collection of scholarly data via a living database to simplify reporting

Section II: Clinical and Translational Research Unit (CTRU)

Overview
The Clinical and Translational Research Unit (CTRU) in the Office of Research and Grants is part of the research infrastructure of Ohio University’s Heritage College of Osteopathic Medicine. Its main purpose is to support investigators who do research with human subjects. The CTRU evolved and expanded from the former Clinical Research Unit that was housed in the diabetes center. Since inception in 2014, the CTRU has undergone significant growth and development, with even more exciting opportunities on the horizon.

The mission of the CTRU is to provide the best possible environment for clinical research – one that fosters the creation of new knowledge in healthcare and protects the safety and well-being of
study participants. The vision is to be nationally recognized as one of the leading clinical research facilities associated with a medical school. The CTRU operates under the guiding principles of respect for all people, unwavering adherence to the highest ethical standards, and a deep sense of interdisciplinary collaboration to further the advancement of healthcare.

The CTRU is led by the Executive Director, Laura Rush, RN, DVM, PhD, MBA. Timothy D. Law Sr., DO, MBA, is the CTRU Medical Director. Other staff include two Senior Clinical Project Managers, two Research Nurses (0.5 and 0.75 FTE), an Administrative Associate, an Engagement/Outreach Specialist (0.4 FTE), and a Clinical Research Associate/Laboratory Manager. CTRU personnel have decades of combined experience in clinical research. Most staff are affiliated with professional clinical research organizations and hold research-specific credentials.

The CTRU staff is experienced with study participants of all ages and has expertise in a variety of areas, including type 1 and type 2 diabetes, cardiovascular disease, exercise physiology, aging (sarcopenia and mobility disability), dermatitis, and back pain. The CTRU supports NIH and industry-sponsored studies, as well as investigator-initiated studies.

A. Research Activity

The CTRU supports all stages of clinical research, from initial conception to final reporting. The CTRU expanded its services and capabilities this year to meet the evolving needs of its investigators. For example, a participant interview room was redesigned to be child-friendly to accommodate a study involving caregivers and infants.

<table>
<thead>
<tr>
<th>CTRU Services</th>
<th>Project design</th>
<th>Regulatory oversight and guidance</th>
<th>Physician services and medical oversight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility assessment</td>
<td>Budget development</td>
<td>Project coordination</td>
<td></td>
</tr>
<tr>
<td>Institutional Review Board (IRB) submission assistance</td>
<td>Records management</td>
<td>Obtaining informed consent</td>
<td></td>
</tr>
<tr>
<td>Protocol implementation</td>
<td>Assistance with interim and final reports</td>
<td>Exercise physiology</td>
<td></td>
</tr>
</tbody>
</table>

<p>| Darlene Berryman, PhD, RD, LD | interim associate dean for research &amp; innovations |
| Laura Rush, RN, DVM, PhD, MBA | interim executive director of research |
| Timothy Law, DO, MBA | medical director |
| Rachel CIP, MSN, RN | senior clinical project manager |
| Tiffani Hart, BSN | administrative associate |
| Lee Ann Williams, BA, CCRP | senior clinical project manager |
| Crystal Brooks, BS | clinical research associate/lab manager |
| Lynn Petrlik, BSN, RN, CCRC | research nurse |
| Cammie Starner, RN, CCRC | research nurse |
| Megan Cochran, BS | outreach/engagement specialist |</p>
<table>
<thead>
<tr>
<th>Data collection and management</th>
<th>Biospecimen collection and processing</th>
<th>Subject compensation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imaging and image analysis –</td>
<td>Nursing services, including phlebotomy and intravenous placement</td>
<td>Facilitating research relationships with external partners</td>
</tr>
<tr>
<td>magnetic resonance imaging (MRI),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dual-energy x-ray absorptiometry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(DEXA), ultrasound</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subject recruitment and retention</td>
<td>Community engagement</td>
<td>Metabolic cart testing – exercise and resting</td>
</tr>
<tr>
<td>Administration of ResearchMatch</td>
<td>Electronic data capture</td>
<td>Medication management</td>
</tr>
<tr>
<td>accounts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Survey development</td>
<td>Contract negotiations with industry partners</td>
<td>Report preparation</td>
</tr>
</tbody>
</table>

The CTRU occupies over 3,000 square feet of space, primarily on the second floor of Irvine Hall. The space is outfitted to fulfill the current needs of OU investigators and to be flexible enough to accommodate future needs. The CTRU also houses and manages several pieces of specialized equipment that are utilized by a variety of investigators.

---

**CTRU Facilities and Equipment**

<table>
<thead>
<tr>
<th>Examination / minor procedure rooms</th>
<th>Phlebotomy area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medication preparation and storage areas</td>
<td>Laboratory processing station</td>
</tr>
<tr>
<td>Intake room</td>
<td>Nutrition prep station</td>
</tr>
<tr>
<td>Shower and locker storage</td>
<td>Waiting area / lobby</td>
</tr>
<tr>
<td>Secure records storage area</td>
<td>Nurses station</td>
</tr>
<tr>
<td>ParvoMedics metabolic cart</td>
<td>Electrocardiogram machines</td>
</tr>
<tr>
<td>AccuVein vascular visualization device</td>
<td></td>
</tr>
<tr>
<td>Hologic dual energy X-Ray absorptiometry (DEXA) scanner</td>
<td></td>
</tr>
<tr>
<td>Esaote G-Scan Brio weight-bearing magnetic resonance imaging (MRI) scanner</td>
<td></td>
</tr>
<tr>
<td>An exercise physiology laboratory and electrophysiology suite are managed for OMNI</td>
<td></td>
</tr>
<tr>
<td>Dedicated parking for study participants, in partnership with Community Health Programs</td>
<td></td>
</tr>
</tbody>
</table>

In 2016-2017 the CTRU supported 24 clinical research studies (including sub-studies) for 14 principal investigators and their research teams. There were 926 study visits by 648 unique study participants. This represents more than a 50% increase in the number of study participants seen by CTRU staff or using CTRU resources compared to last year.

The funding sources for studies supported by the CTRU during FY 2017 are categorized below:

- Federally-funded studies: The CTRU supported 10 studies (including sub-studies) clinical research funded by multiple institutes of the National Institutes of Health
(NIH). These studies recruited subjects with diabetes, metabolic disease, back pain, and cardiovascular disease, as well as community-dwelling seniors without a specific chronic disease.

- Industry-sponsored studies: Three new industry-sponsored studies were initiated.
- Association: One association study was initiated.
- Ohio University Innovation Strategy: One Innovation Strategy study was supported.
- Investigator-initiated studies: The CTRU supported investigator-initiated studies and one medical student-initiated studies in FY 2017.

The CTRU was involved in study development and/or implementation with faculty and staff from 5 colleges and 3 institutes across Ohio University.

The remarkable diversity of clinical studies is one reason why people spanning 9 decades in age played a role in our studies this year. Our participant satisfaction survey scores remain very high, with 100% of respondents indicating they would consider participating in another study with us, and 90% rating their experience with study staff as excellent.

B. Student Interactions

The CTRU strives to expand student research experiences and offers a supportive learning environment where students can make meaningful contributions working with faculty investigators and CTRU staff. This is the second year for the CTRU Student Research Experience Program. The program was developed by CTRU staff to provide a structured format for students to interact with personnel in all areas of the CTRU, learn the fundamentals of clinical research, and observe specific studies based on their area(s) of interest. Ten first-year medical students and 4 OU undergraduate students participated in the program this year. All students who completed pre- and post-surveys indicated an increase in knowledge about various aspects of clinical research.

CTRU personnel also played a role in the education and development of undergraduate, graduate, and medical students through lectures, tours, and equipment demonstrations.

C. External Partnerships and Community Engagement

External partnerships play a key role in collaborative research. The CTRU has established collaborations with the OhioHealth Research Institute, the OhioHealth Physician Group Heritage College, Holzer Health System, Ohio State University, Nationwide Children’s Hospital, OrthoNeuro, and other entities. These partnerships help strengthen relationships and broaden opportunities for faculty and students to conduct research.

Community outreach and engagement is another important aspect of the CTRU. Informing
the community about clinical research and opportunities for being a research volunteer provides greater visibility for OU investigators and gives community members a way to contribute should they so choose. The CTRU regularly participates in community health fairs and local events such as the Diabetes Expo and the Rocky Employee Wellness Fair.

In January, 2017 the CTRU Facebook page went live and can be found at www.facebook.com/OhioUniversityCTRU. With over 100 followers and a reach of thousands, we were able to disseminate information on healthy living, recent medical advancements, and research-related news from Ohio University and the CTRU. Our newsletter and web site also contain useful information for the community as well as our research partners.

A key component of our community engagement strategy is introducing people to ResearchMatch (www.researchmatch.org/). ResearchMatch is a national database that matches potential research volunteers with researchers who are recruiting people to participate in their studies. Ohio University joined Research Match in September, 2015. CTRU staff manage ResearchMatch accounts for qualifying investigators who wish to utilize this recruitment tool. This year the number of registrants who live within a 25 mile radius of Athens has increased by 60%.

Information on current and completed studies can be accessed on the CTRU web site: https://www.ohio.edu/medicine/research/ctru/current-studies.cfm.

D. Planning for the Future

The CTRU is proud to support clinical investigators at Ohio University. The enhanced infrastructure has already had a positive impact on clinical research and will continue to do so in the future. The CTRU plays a critical role in fulfilling the mission of the Heritage College and contributing to scholarly activity. Future goals include improving subject recruitment and retention by increasing engagement and education, attracting more industry-sponsored research, web site enhancements to better serve the needs of faculty, staff, students, and the public, and expanding the portfolio of services offered to optimize the research activity of OU investigators.
This page is intentionally left blank.
# LIST OF ABBREVIATIONS IN APPENDICES

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acad Aff</td>
<td>Academic Affairs</td>
</tr>
<tr>
<td>Adm Fin</td>
<td>Administration and Finance</td>
</tr>
<tr>
<td>BMS</td>
<td>Department of Biomedical Sciences</td>
</tr>
<tr>
<td>Chem Bio</td>
<td></td>
</tr>
<tr>
<td>Eng</td>
<td>Chemical and Biomolecular Engineering (Russ College)</td>
</tr>
<tr>
<td>CHP</td>
<td>Community Health Programs</td>
</tr>
<tr>
<td>CLEV</td>
<td>Heritage College Cleveland Campus</td>
</tr>
<tr>
<td>Dean</td>
<td>Heritage College Dean’s Office</td>
</tr>
<tr>
<td>EBI</td>
<td>Edison Biotechnology Institute</td>
</tr>
<tr>
<td>EECS</td>
<td>Electrical Engineering and Computer Science (Russ College)</td>
</tr>
<tr>
<td>Fam Med</td>
<td>Department of Family Medicine</td>
</tr>
<tr>
<td>Med Infor</td>
<td>Medical Informatics</td>
</tr>
<tr>
<td>OB/GYN</td>
<td>Obstetrics and Gynecology</td>
</tr>
<tr>
<td>ORG</td>
<td>Office of Research and Grants</td>
</tr>
<tr>
<td>ORSP</td>
<td>Office of Research and Sponsored Programs (VPR)</td>
</tr>
<tr>
<td>RUSP</td>
<td>Office of Rural and Underserved Programs</td>
</tr>
<tr>
<td>Soc Med</td>
<td>Department of Social Medicine</td>
</tr>
<tr>
<td>Soc Pub</td>
<td></td>
</tr>
<tr>
<td>HLth</td>
<td>Social and Public Health (CHSP)</td>
</tr>
<tr>
<td>Spec Med</td>
<td>Department of Specialty Medicine</td>
</tr>
<tr>
<td>Stud Aff</td>
<td>Student Affairs</td>
</tr>
<tr>
<td>VPR</td>
<td>Vice President for Research</td>
</tr>
</tbody>
</table>
## APPENDIX A: FY2017 Heritage College Reporting Faculty and Staff

<table>
<thead>
<tr>
<th>Name/Degree(s)</th>
<th>Academic Rank</th>
<th>Primary (&amp; Secondary) Appointment(s)</th>
<th>Area of Expertise / Research Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fabian Benencia, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Immunology</td>
</tr>
<tr>
<td>Darlene E. Berryman, PhD, Rd, LD</td>
<td>Professor</td>
<td>Department of Biomedical Sciences; Executive Director, Diabetes Institute; Interim Associate Dean for Research and Innovation</td>
<td>Obesity, Diabetes, Nutrition, Growth Hormone</td>
</tr>
<tr>
<td>Mark Berryman, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Molecular Cell Biology/Hearing and Balance</td>
</tr>
<tr>
<td>Elizabeth A. Beverly, PhD</td>
<td>Assistant Professor</td>
<td>Department of Family Medicine</td>
<td>Diabetes, Qualitative Methodology</td>
</tr>
<tr>
<td>Sharon Casapulla, EdD</td>
<td>Assistant Professor</td>
<td>Rural and Underserved Programs; Department of Family Medicine</td>
<td>Appalachia, Underserved Communities, Resilience, Medical Education</td>
</tr>
<tr>
<td>Brad A. Chadwell, PhD</td>
<td>Lecturer</td>
<td>Department of Biomedical Sciences</td>
<td>Functional Morphology, Biomechanics</td>
</tr>
<tr>
<td>Xiaozhuo Chen, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences; Edison Biotechnology Institute</td>
<td>Glucose Transport and Metabolism in Cancer, Diabetes and their Therapeutics</td>
</tr>
<tr>
<td>Leanne Chrisman-Khawam, MD, MEd</td>
<td>Assistant Professor</td>
<td>Department of Social Medicine</td>
<td>Behavior Change, Motivational Interviewing, Community Engagement Projects, Medical Curriculum Development, Assessment Medical School Admissions</td>
</tr>
<tr>
<td>Brian Clark, PhD</td>
<td>Professor</td>
<td>Department of Biomedical Sciences; Director, Ohio Musculoskeletal and Neurological Institute</td>
<td>Human Health, Physiology</td>
</tr>
<tr>
<td>Karen Collins, MPA</td>
<td>N/A</td>
<td>Office of Research and Grants</td>
<td>Administration, Medical Education</td>
</tr>
<tr>
<td>Leslie Consitt, PhD</td>
<td>Assistant Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Skeletal Muscle Metabolism, Obesity/Type 2 Diabetes, Aging, Exercise Physiology</td>
</tr>
<tr>
<td>Karen Coschigano, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Molecular Biology, Biochemistry/Diabetic Nephropathy</td>
</tr>
<tr>
<td>Sonsoles de Lacalle, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Neuroscience/Plasticity and Aging</td>
</tr>
<tr>
<td>David Drozek, DO</td>
<td>Assistant Professor</td>
<td>Department of Specialty Medicine</td>
<td>Lifestyle Medicine, Endoscopy, Global Health</td>
</tr>
<tr>
<td>Wei-Ming Duan, MD, PhD</td>
<td>Associate Lecturer</td>
<td>Department of Biomedical Sciences</td>
<td>Gross Anatomy, Neuroanatomy, Neurobiology</td>
</tr>
<tr>
<td>Name/Degree(s)</td>
<td>Academic Rank</td>
<td>Primary (&amp; Secondary) Appointment(s)</td>
<td>Area of Expertise / Research Interest</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Lisa Forster, MS</td>
<td>N/A</td>
<td>Department of Family Medicine, Primary Care Research Initiatives</td>
<td>Primary Care Research, Communications</td>
</tr>
<tr>
<td>Berkeley Franz, PhD</td>
<td>Assistant Professor</td>
<td>Department of Social Medicine</td>
<td>Community-Based Health, Religion and Health, Health Policy</td>
</tr>
<tr>
<td>Dawn Graham, PhD</td>
<td>Lecturer</td>
<td>Department of Social Medicine</td>
<td>Mental Health, Psychology</td>
</tr>
<tr>
<td>Aili Guo, MD</td>
<td>Associate Professor</td>
<td>Department of Specialty Medicine</td>
<td>Diabetes and Endocrinology</td>
</tr>
<tr>
<td>Cheryl Hammes, DO</td>
<td>Associate Professor</td>
<td>Department of Osteopathic Manipulative Medicine</td>
<td></td>
</tr>
<tr>
<td>Zelalem Haile, PhD</td>
<td>Assistant Professor</td>
<td>Department of Social Medicine</td>
<td>Maternal and Child Health, Sexual and Reproductive Health</td>
</tr>
<tr>
<td>Amber Healy, DO</td>
<td>Assistant Clinical Professor</td>
<td>Department of Specialty Medicine, Director of Diabetes Fellowship</td>
<td>Diabetes</td>
</tr>
<tr>
<td>Garrett Heinrich, PhD</td>
<td>Research Assistant Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Metabolic Disease</td>
</tr>
<tr>
<td>Frank Horodyski, PhD</td>
<td>Professor Emeritus</td>
<td>Department of Biomedical Sciences</td>
<td></td>
</tr>
<tr>
<td>Sharon Inman, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Obesity-Related Type 2 Diabetic Nephropathy</td>
</tr>
<tr>
<td>Laura L. Jensen, MPH</td>
<td>N/A</td>
<td>Department of Family Medicine, Primary Care Research Initiatives</td>
<td>Socio-Behavioral Research, Qualitative Research Methods</td>
</tr>
<tr>
<td>John J. Kopchick, PhD</td>
<td>Goll-Ohio Professor</td>
<td>Department of Biomedical Sciences, Edison Biotechnology Institute</td>
<td>Alternative Uses of a Growth Hormone Receptor (GHR) Antagonist, Metabolic Parameters of GH &amp; GHR Antagonist Transgenic and GH Receptor -/- Mice, Effects of GH Action on Aging, Identification of Novel cDNAs and Proteins Activated or Suppressed in Insulin Resistant and Diabetic Tissue</td>
</tr>
<tr>
<td>Timothy Law, DO</td>
<td>Assistant Professor</td>
<td>Department of Family Medicine, Clinical and Translational Research Unit, Rural and Underserved Programs</td>
<td></td>
</tr>
<tr>
<td>Kevin Y. Lee, PhD</td>
<td>Assistant Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Adipose Tissue Biology</td>
</tr>
<tr>
<td>Chunmin Lo, PhD</td>
<td>Assistant Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Diabetes, Obesity</td>
</tr>
<tr>
<td>Bridget Anne Lombard, DO</td>
<td>Clinical Assistant Professor</td>
<td>Department of Family Medicine</td>
<td>Preventative Medicine, Public Health, Nutrition, Palliative Care and Aging, Family Medicine</td>
</tr>
<tr>
<td>Name/Degree(s)</td>
<td>Academic Rank</td>
<td>Primary (&amp; Secondary) Appointment(s)</td>
<td>Area of Expertise / Research Interest</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------</td>
<td>--------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Randall Longenecker, MD</td>
<td>Professor</td>
<td>Department of Family Medicine</td>
<td>Rural Health Professional Education</td>
</tr>
<tr>
<td>Ramiro Malgor, MD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Histopathology</td>
</tr>
<tr>
<td>Kelly D. McCall, PhD</td>
<td>Associate Professor</td>
<td>Department of Specialty Medicine; IACUC Chair</td>
<td>Inflammation in Autoimmune and Inflammatory Diseases, Diabetes, Cancer, NAFLD</td>
</tr>
<tr>
<td>Erin Murphy, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Bacteriology, Bacterial Pathogenesis</td>
</tr>
<tr>
<td>Kelly Nottingham, MPH, CHES</td>
<td>N/A</td>
<td>Adjunct Faculty, Department of Family Medicine, Primary Care Research Initiatives</td>
<td>Primary Care Research, Health Services Research</td>
</tr>
<tr>
<td>Felicia V. Nowak, MD, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences, Department of Specialty Medicine</td>
<td>Neurodevelopment and Neurodegeneration, Transgenerational Metabolic and Epigenetic Effects of Obesity</td>
</tr>
<tr>
<td>Craig Nunemakker, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences &amp; Diabetes Institute</td>
<td>Diabetes/Pancreatic Islet Biology, Low-Grade Inflammation</td>
</tr>
<tr>
<td>Olivia Ojano Sheehan, PhD</td>
<td>Assistant Professor</td>
<td>Department of Family Medicine</td>
<td>Medical Education</td>
</tr>
<tr>
<td>Nick Okada, PhD</td>
<td>Associate Lecturer</td>
<td>Department of Pediatrics</td>
<td>Molecular Endocrinology</td>
</tr>
<tr>
<td>William Ruger Porter, PhD</td>
<td>Lecturer</td>
<td>Department of Biomedical Sciences</td>
<td>Archosaur Cephalic Vascular Anatomy, Physiology</td>
</tr>
<tr>
<td>Vishwajeet Puri, PhD</td>
<td>Associate Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Cide Proteins and Regulation of Energy Expenditure to Improve Metabolic Syndrome in Humans, Identifying Mechanisms of Adipocyte Dysfunction in Obesity and Insulin Resistance, Improving Fat Storage and Insulin Sensitivity in Adipocytes and Muscle Cells, Exploring a New Area in the Cell/Pathogen Interactions that Define Oral Infection-Elicited Inflammation as a Driver of Metabolic Disease, Increasing Oil Production in Plants and Seeds</td>
</tr>
<tr>
<td>Rosellen Roche, MD, PhD</td>
<td>Associate Professor</td>
<td>Chair, Department of Social Medicine</td>
<td>Social Deprivation, Areas of Conflict, Poverty, Medical Anthropology, Medical Student Education</td>
</tr>
<tr>
<td>Sarah Rubin, MSc, PhD</td>
<td>Lecturer</td>
<td>Department of Social Medicine</td>
<td>Medical Anthropology, Maternal and Child Health, Cross-Cultural Psychiatry, Reproductive Health, Health Disparities, Infant Mortality, Global Health, Multi-Cultural Medicine, South Africa, Urban Health, Poverty</td>
</tr>
<tr>
<td>Vishva M. Sharma, PhD</td>
<td>Research Scientist</td>
<td>Department of Biomedical Sciences</td>
<td>Diabetes and Obesity</td>
</tr>
<tr>
<td>Name/Degree(s)</td>
<td>Academic Rank</td>
<td>Primary (&amp; Secondary) Appointment(s)</td>
<td>Area of Expertise / Research Interest</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------------</td>
<td>-------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Tracy Shaub, DO</td>
<td>Chair, Associate Professor</td>
<td>Department of Family Medicine</td>
<td>Medical Education, Leadership, Palliative Care, Communication</td>
</tr>
<tr>
<td>Daniel Skinner, PhD</td>
<td>Assistant Professor</td>
<td>Department of Social Medicine</td>
<td>Health Policy and Politics, Medical Rhetoric and Humanities</td>
</tr>
<tr>
<td>Yuriy Slyvka, MD, PhD</td>
<td>Lecturer</td>
<td>Department of Biomedical Sciences</td>
<td>Obesity Related Type 2 Diabetic Nephropathy, Epigenetics</td>
</tr>
<tr>
<td>Cammie Starner, RN, CCRC</td>
<td>N/A</td>
<td>Office of Research and Grants, Clinical and Translational Research Unit</td>
<td>Clinical Research</td>
</tr>
<tr>
<td>Nancy J. Stevens, PhD</td>
<td>Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Comparative and Ecological Morphology</td>
</tr>
<tr>
<td>Rob Truax, DO</td>
<td>Associate Professor</td>
<td>Department of Osteopathic Manipulative Medicine</td>
<td>Osteopathic Manipulation</td>
</tr>
<tr>
<td>Stevan Walkowski, DO</td>
<td>Chair, Associate Professor</td>
<td>Department of Osteopathic Manipulative Medicine</td>
<td>OMM</td>
</tr>
<tr>
<td>Susan Williams, PhD</td>
<td>Professor</td>
<td>Department of Biomedical Sciences</td>
<td></td>
</tr>
<tr>
<td>Lawrence M. Witmer, PhD</td>
<td>Professor</td>
<td>Department of Biomedical Sciences</td>
<td>Comparative Organismal Biology</td>
</tr>
<tr>
<td>Jacqueline H. Wolf, PhD</td>
<td>Professor</td>
<td>Department of Social Medicine; Adjunct Professor OU Department of History; Adjunct Professor OU Department of Health Communications; Adjunct Professor OU Department of Women's and Gender Studies</td>
<td>Areas of Expertise: History of Medicine/History of Women's and Children's Health and Medicine, History of Public Health, History of Biomedical Ethics Research Interests: History of Childbirth Practices in the U.S., History of Breastfeeding Practices in the U.S.</td>
</tr>
<tr>
<td>Fran Wymbs, PhD</td>
<td>Assistant Professor</td>
<td>Department of Family Medicine</td>
<td>Engagement in Primary Care, Community and School Treatments for Children and Families with Mental Health Problems</td>
</tr>
</tbody>
</table>
## Table 1 – Heritage College Research Grant and Contract Income

<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amano, Shinichi</td>
<td>ORG</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>and function (ICAM)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baker, Samantha</td>
<td>CLEV</td>
<td>St. Luke's Health Foundation</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Aspiring Doctors Precollege Program</td>
<td>Ndubuizu, Terra</td>
<td>CLEV</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>5</td>
<td>$22,575.00</td>
<td>$11,400.38</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Southern Illinois University</td>
<td>50</td>
<td>$8,500.00</td>
<td>$4,122.50</td>
<td>Aging at thermoneutral temperature</td>
<td>Berryman, Darlene, Edward</td>
<td>BMS VPR</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Southern Illinois University</td>
<td>50</td>
<td>$6,000.00</td>
<td>$2,910.00</td>
<td>Aging at thermoneutral temperature</td>
<td>Berryman, Darlene, Edward</td>
<td>BMS VPR</td>
</tr>
<tr>
<td>Bianco, Joseph</td>
<td>Soc Med</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>33.3</td>
<td>$1,664.33</td>
<td>$0.00</td>
<td>Teaching at a distance: Exploration of faculty evaluation ratings</td>
<td>Sheridan, Leah Bianco, Joseph Chelimo, Sheila</td>
<td>BMS Soc Med Acad Aff</td>
</tr>
<tr>
<td>Chelimo, Sheila</td>
<td>Acad Aff</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>33.3</td>
<td>$1,664.33</td>
<td>$0.00</td>
<td>Teaching at a distance: Exploration of faculty evaluation ratings</td>
<td>Sheridan, Leah Bianco, Joseph Chelimo, Sheila</td>
<td>BMS Soc Med Acad Aff</td>
</tr>
<tr>
<td>Clark, Brian</td>
<td>BMS</td>
<td>Astellas Pharma Global Development, Inc.</td>
<td>50</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Phase 1b Study to Assess the Anti-fatigability Effect of CK-2127107 in Elderly Male and Female Subjects with Limitations in Mobility</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Clark, Brian</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>70</td>
<td>$131,687.50</td>
<td>$66,502.19</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>and function (ICAM)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clark, Brian</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>88</td>
<td>$269,609.12</td>
<td>$130,760.42</td>
<td>Neural mechanisms of dynapenia</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>Clark, Leatha</td>
<td>ORG</td>
<td>Astellas Pharma Global Development, Inc.</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Phase 1b Study to Assess the Anti-fatigability Effect of CK-2127107 in Elderly Male and Female Subjects with Limitations in Mobility</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Clark, Leatha</td>
<td>ORG</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control and function (iCAM)</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Clift, Rachel</td>
<td>ORG</td>
<td>Astellas Pharma Global Development, Inc.</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Phase 1b Study to Assess the Anti-fatigability Effect of CK-2127107 in Elderly Male and Female Subjects with Limitations in Mobility</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Clift, Rachel</td>
<td>ORG</td>
<td>Mesa Biotech, Inc</td>
<td>25</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Multicenter Study Conducted to Evaluate the Performance of the Mesa Biotech Flu A/Flu B Test in Laboratory and Point of Care Testing Sites CS-FLU 16-01</td>
<td>Law, Timothy</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Clift, Rachel</td>
<td>ORG</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control and function (iCAM)</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Drozek, David</td>
<td>Spec Med</td>
<td>Ardmore Institute of Health</td>
<td>100</td>
<td>$50,000.00</td>
<td>$7,500.00</td>
<td>Comparing the effectiveness of two virtual lifestyle interventions across rural and urban settings: a pilot study</td>
<td>Drozek, David</td>
<td>Spec Med</td>
</tr>
<tr>
<td>Drozek, David</td>
<td>Spec Med</td>
<td>Lifestyle Medicine Institute (LMI)</td>
<td>100</td>
<td>$25,000.00</td>
<td>$0.00</td>
<td>Comparing the effectiveness of two virtual lifestyle interventions across rural and urban settings: a pilot study</td>
<td>Drozek, David</td>
<td>Spec Med</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
<td>---------------------------------------------------</td>
<td>------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Gerome Zuchowski, Jody</td>
<td>OB/GYN</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>50</td>
<td>$2,500.00</td>
<td>$0.00</td>
<td>A Pilot Study to Compare Outcomes of 3rd Year Osteopathic Medical Students Learning in Inpatient and Outpatient Settings</td>
<td>Ojano-Sheehan, Olivia Gerome, Jody</td>
<td>Acad Aff OB/GYN</td>
</tr>
<tr>
<td>Heinrich, Garrett</td>
<td>BMS</td>
<td>National Inst. of Diabetes/Digestive/ Kidney Dis.</td>
<td>50</td>
<td>$12,500.00</td>
<td>$6,312.50</td>
<td>CEACAM and Insulin Action</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Heinrich, Garrett</td>
<td>BMS</td>
<td>National Inst. of Diabetes/Digestive/ Kidney Dis.</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Comparing the effectiveness of two virtual lifestyle interventions across rural and urban settings: a pilot study</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Jensen, Laura</td>
<td>Fam Med</td>
<td>Ardmore Institute of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Comparing the effectiveness of two virtual lifestyle interventions across rural and urban settings: a pilot study</td>
<td>Drozek, David</td>
<td>Spec Med</td>
</tr>
<tr>
<td>Jensen, Laura</td>
<td>Fam Med</td>
<td>Lifestyle Medicine Institute (LMI)</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Comparing the effectiveness of two virtual lifestyle interventions across rural and urban settings: a pilot study</td>
<td>Drozek, David</td>
<td>Spec Med</td>
</tr>
<tr>
<td>Kopchick, John</td>
<td>BMS</td>
<td>Black Elk Biotechnology, LLC.</td>
<td>40</td>
<td>$80,000.00</td>
<td>$40,400.00</td>
<td>Identification and evaluation of therapeutic efficacy of natural products, including cannabis, for neuronal disease, inflammatory disease and cancer</td>
<td>Kopchick, John</td>
<td>BMS</td>
</tr>
<tr>
<td>Kopchick, John</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>5</td>
<td>$22,575.00</td>
<td>$11,400.38</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Kopchick, John</td>
<td>BMS</td>
<td>Novo Nordisk Pharmaceutical</td>
<td>100</td>
<td>$27,754.00</td>
<td>$14,015.77</td>
<td>Growth Hormone Effects on the Intestinal System</td>
<td>Kopchick, John</td>
<td>BMS</td>
</tr>
<tr>
<td>Law, Timothy</td>
<td>DFM</td>
<td>Astellas Pharma Global Development, Inc.</td>
<td>50</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Phase 1b Study to Assess the Anti-fatigability Effect of CK-2127107 in Elderly Male and Female Subjects with Limitations in Mobility</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>---------------</td>
<td>------------</td>
<td>--------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>---------</td>
</tr>
<tr>
<td>Law, Timothy</td>
<td>Fam Med</td>
<td>Mesa Biotech, Inc</td>
<td>50</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Multicenter Study Conducted to Evaluate the Performance of the Mesa Biotech Flu A/Flu B Test in Laboratory and Point of Care Testing Sites CS-FLU 16-01</td>
<td>Law, Timothy</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Law, Timothy</td>
<td>Fam Med</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control and function (ICAM)</td>
<td>Law, Timothy</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Law, Timothy</td>
<td>Fam Med</td>
<td>National Institutes of Health</td>
<td>3</td>
<td>$9,191.22</td>
<td>$4,457.74</td>
<td>Neural mechanisms of dynapenia</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Lee, Kevin</td>
<td>BMS</td>
<td>American Diabetes Association</td>
<td>87.5</td>
<td>$120,750.00</td>
<td>$12,075.00</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Lee, Kevin</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>75</td>
<td>$338,625.00</td>
<td>$171,005.63</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Longenecker, Randall</td>
<td>RUSP</td>
<td>University of Washington</td>
<td>100</td>
<td>$119,664.00</td>
<td>$9,573.12</td>
<td>Collaborative for Rural Primary care Research, Education, and Practice (Rural PREP)</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Malgor, Ramiro</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>70</td>
<td>$316,837.50</td>
<td>$160,002.94</td>
<td>Role of Wnt5a signaling in atherosclerosis, a potential therapeutic target</td>
<td>Malgor, Ramiro</td>
<td>BMS</td>
</tr>
<tr>
<td>McCall, Kelly</td>
<td>Spec Med</td>
<td>American Diabetes Association</td>
<td>7.5</td>
<td>$10,350.00</td>
<td>$1,035.00</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>McCall, Kelly</td>
<td>Spec Med</td>
<td>National Institutes of Health</td>
<td>10</td>
<td>$45,262.50</td>
<td>$22,857.56</td>
<td>Role of Wnt5a signaling in atherosclerosis, a potential therapeutic target</td>
<td>Malgor, Ramiro</td>
<td>BMS</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------</td>
<td>-------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>McCall, Kelly</td>
<td>Spec Med</td>
<td>National Institutes of Health</td>
<td>5</td>
<td>$22,575.00</td>
<td>$11,400.38</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Muturi, Harrison</td>
<td>BMS</td>
<td>National Heart, Lung, &amp; Blood Institute</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>CEACAM1: A link between metabolic and cardiovascular diseases</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Najjar, Sonia</td>
<td>BMS</td>
<td>National Heart, Lung, &amp; Blood Institute</td>
<td>100</td>
<td>$295,000.00</td>
<td>$148,975.00</td>
<td>CEACAM1: A link between metabolic and cardiovascular diseases</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Najjar, Sonia</td>
<td>BMS</td>
<td>National Inst. of Diabetes/Digestive/Kidney Dis.</td>
<td>50</td>
<td>$12,500.00</td>
<td>$6,312.50</td>
<td>CEACAM and Insulin Action</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Najjar, Sonia</td>
<td>BMS</td>
<td>National Inst. of Diabetes/Digestive/Kidney Dis.</td>
<td>100</td>
<td>$3,732.12</td>
<td>$1,884.72</td>
<td>CEACAM and Insulin Action</td>
<td>Najjar, Sonia</td>
<td>BMS</td>
</tr>
<tr>
<td>Ndubuizu, Terra</td>
<td>CLEV</td>
<td>St. Luke’s Health Foundation</td>
<td>100</td>
<td>$10,000.00</td>
<td>$0.00</td>
<td>Aspiring Doctors Precollege Program</td>
<td>Ndubuizu, Terra</td>
<td>CLEV</td>
</tr>
<tr>
<td>Nowak, Felicia</td>
<td>BMS</td>
<td>Burroughs Wellcome Fund</td>
<td>100</td>
<td>$8,018.00</td>
<td>$0.00</td>
<td>Collaborative Initiative to Characterize Mice Deficient in ArhGAP39</td>
<td>Nowak, Felicia</td>
<td>BMS</td>
</tr>
<tr>
<td>O’Connor, Patrick</td>
<td>BMS</td>
<td>National Science Foundation</td>
<td>10</td>
<td>$26,002.00</td>
<td>$13,131.01</td>
<td>Rift dynamics and primate evolution at the close of the Paleogene: A view from the Rukwa Rift Basin of Tanzania</td>
<td>Stevens, Nancy O’Connor, Patrick</td>
<td>BMS</td>
</tr>
<tr>
<td>Ojano-Sheehan, Olivia</td>
<td>Acad Aff</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>50</td>
<td>$2,500.00</td>
<td>$0.00</td>
<td>A Pilot Study to Compare Outcomes of 3rd Year Osteopathic Medical Students Learning in Inpatient and Outpatient Settings</td>
<td>Ojano-Sheehan, Olivia Gerome, Jody</td>
<td>Acad Aff OB/GYN</td>
</tr>
<tr>
<td>Puri, Vishwajeet</td>
<td>BMS</td>
<td>Boston University</td>
<td>100</td>
<td>$12,488.00</td>
<td>$6,306.44</td>
<td>Regulation of lipolysis by mTORC1</td>
<td>Puri, Vishwajeet</td>
<td>BMS</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------</td>
<td>---------------------------------------</td>
<td>--------</td>
<td>------------------------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Puri, Vishwajeet</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>100</td>
<td>$334,125.00</td>
<td>$162,050.63</td>
<td>Cide Proteins and Regulation of Energy Expenditure</td>
<td>Puri, Vishwajeet</td>
<td>BMS</td>
</tr>
<tr>
<td>Rush, Laura</td>
<td>ORG</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Innovative neurophysiological techniques for assessing trunk muscle control and function (ICAM)</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Schwartz, Frank</td>
<td>Spec Med</td>
<td>National Institutes of Health</td>
<td>5</td>
<td>$22,575.00</td>
<td>$11,400.38</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Sharma, Rita</td>
<td>BMS</td>
<td>American Diabetes Association</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Sharma, Rita</td>
<td>BMS</td>
<td>National Institutes of Health</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Differential Effects of Obesity and Inflammatory Cytokines on White Adipocyte Subpopulations</td>
<td>Lee, Kevin</td>
<td>BMS</td>
</tr>
<tr>
<td>Sheridan, Leah</td>
<td>BMS</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>33.4</td>
<td>$1,669.33</td>
<td>$0.00</td>
<td>Teaching at a distance: Exploration of faculty evaluation ratings</td>
<td>Sheridan, Leah</td>
<td>BMS Soc Med Acad Aff</td>
</tr>
<tr>
<td>Stevens, Nancy</td>
<td>BMS</td>
<td>National Science Foundation</td>
<td>90</td>
<td>$234,018.00</td>
<td>$118,179.09</td>
<td>Rift dynamics and primate evolution at the close of the Paleogene: A view from the Rukwa Rift Basin of Tanzania</td>
<td>Stevens, Nancy</td>
<td>BMS</td>
</tr>
<tr>
<td>Williams, Lee Ann</td>
<td>ORG</td>
<td>Astellas Pharma Global Development, Inc.</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Phase 1b Study to Assess the Anti-fatigability Effect of CK-2127107 in Elderly Male and Female Subjects with Limitations in Mobility</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>Williams, Lee Ann</td>
<td>ORG</td>
<td>Mesa Biotech, Inc</td>
<td>25</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Multicenter Study Conducted to Evaluate the Performance of the Mesa Biotech Flu A/Flu B Test in Laboratory and Point of Care</td>
<td>Law, Timothy</td>
<td>Farn Med</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>--------------</td>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>----------------------------------------------------------</td>
<td>---------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Testing Sites CS-FLU 16-01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$2,696,279.16 $1,200,596.71
### Table 2 – Heritage College Public Service Grant and Contract Income

<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Pfizer Laboratories</td>
<td>20</td>
<td>$500.00</td>
<td>$0.00</td>
<td>Pfizer IGLC Grant: Annual Symposium of the Effects of Growth Hormone on Metabolism</td>
<td>Kopchick, John Berryman, Darlene</td>
<td>BMS</td>
</tr>
<tr>
<td>Beverly, Elizabeth</td>
<td>Fam Med</td>
<td>Health Resources &amp; Services Administration</td>
<td>50</td>
<td>$100,000.00</td>
<td>$39,000.00</td>
<td>A Comprehensive Patient Navigation Program for Rural Appalachia</td>
<td>Beverly, Elizabeth Meeks, Sue</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Bianco, Joseph</td>
<td>Soc Med</td>
<td>Ohio State University</td>
<td>45</td>
<td>$48,220.65</td>
<td>$4,822.07</td>
<td>OU MEDTAPP INITIATIVE 4-5 Renewal</td>
<td>Shaub, Tracy Bianco, Joseph</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Chrisman-Khawam, Leanne</td>
<td>Soc Med</td>
<td>American Medical Association</td>
<td>35</td>
<td>$8,750.00</td>
<td>$0.00</td>
<td>Accelerating Change in Medical Education</td>
<td>Kirstien, Isaac Chrisman-Khawam, Leanne</td>
<td>BMS Soc Med</td>
</tr>
<tr>
<td>Clift, Eric</td>
<td>Med Infor</td>
<td>University Medical Associates, Inc.</td>
<td>100</td>
<td>$180,542.00</td>
<td>$0.00</td>
<td>Electronic Health Record Project</td>
<td>Clift, Eric</td>
<td>Med Infor</td>
</tr>
<tr>
<td>Clift, Eric</td>
<td>Med Infor</td>
<td>University Medical Associates, Inc.</td>
<td>100</td>
<td>$12,020.89</td>
<td>$0.00</td>
<td>Electronic Health Record Projects</td>
<td>Clift, Eric</td>
<td>Med Infor</td>
</tr>
<tr>
<td>Cook, Karie</td>
<td>DI</td>
<td>Athens Foundation</td>
<td>100</td>
<td>$1,127.00</td>
<td>$0.00</td>
<td>Diabetes Education for School Nurses</td>
<td>Cook, Karie</td>
<td>DI</td>
</tr>
<tr>
<td>Graham, Dawn</td>
<td>Soc Med</td>
<td>Northeast Ohio Medical University</td>
<td>50</td>
<td>$8,855.50</td>
<td>$885.55</td>
<td>Community Health Worker</td>
<td>Graham, Dawn, Shaub, Tracy Shaw, Kerri</td>
<td>Soc Med Famil Med</td>
</tr>
<tr>
<td>Graham, Dawn</td>
<td>Soc Med</td>
<td>Ohio State University</td>
<td>25</td>
<td>$12,516.50</td>
<td>$1,251.65</td>
<td>Community Health Worker</td>
<td>Shaw, Kerri Graham, Dawn</td>
<td>Soc Pub Hlth</td>
</tr>
<tr>
<td>Graham, Dawn</td>
<td>Soc Med</td>
<td>Ohio State University</td>
<td>10</td>
<td>$10,715.70</td>
<td>$1,071.57</td>
<td>OU MEDTAPP INITIATIVE 4-5 Renewal</td>
<td>Shaub, Tracy Bianco, Joseph</td>
<td>Fam Med Soc Med</td>
</tr>
<tr>
<td>Graham, Dawn</td>
<td>Soc Med</td>
<td>Queens University</td>
<td>100</td>
<td>$4,271.65</td>
<td>$0.00</td>
<td>Interdisciplinary Studies in Global Health and Disability Program</td>
<td>Graham, Dawn</td>
<td>Soc Med</td>
</tr>
<tr>
<td>Guo, Ali</td>
<td>Spec Med</td>
<td>IEEE Computer Society</td>
<td>25</td>
<td>$1,250.00</td>
<td>$0.00</td>
<td>High School and Community Technology Outreach Through Photo Food</td>
<td>Liu, Chang Guo, Ali</td>
<td>EECS</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>--------------------</td>
<td>------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
<td>------------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Guthrie, PJ</td>
<td>CHP</td>
<td>National Area Health Education Center Organization</td>
<td>100</td>
<td>$9,500.00</td>
<td>$0.00</td>
<td>CEC-HPV Project Year III</td>
<td>Guthrie, PJ</td>
<td>CHP</td>
</tr>
<tr>
<td>Guthrie, PJ</td>
<td>CHP</td>
<td>University of Toledo</td>
<td>100</td>
<td>$100,661.00</td>
<td>$8,052.88</td>
<td>PSME</td>
<td>Guthrie, PJ</td>
<td>CHP</td>
</tr>
<tr>
<td>Kerwin, Kristin</td>
<td>CHP</td>
<td>Health Resources &amp; Services Administration</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>A Comprehensive Patient Navigation Program for Rural Appalachia</td>
<td>Beverly, Elizabeth Meeks, Sue</td>
<td>Fam Med, CHP</td>
</tr>
<tr>
<td>Kerwin, Kristin</td>
<td>CHP</td>
<td>Integrating Professionals for Appalachian Children</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>IPAC/PFK FN Contract</td>
<td>Meeks, Sue</td>
<td>CHP</td>
</tr>
<tr>
<td>Kirstein, Isaac</td>
<td>Dean</td>
<td>American Medical Association</td>
<td>65</td>
<td>$16,250.00</td>
<td>$0.00</td>
<td>Accelerating Change in Medical Education</td>
<td>Kirstien, Isaac Chrismankhawam, Leanne</td>
<td>BMS Soc Med</td>
</tr>
<tr>
<td>Kopchick, John</td>
<td>BMS</td>
<td>Pfizer Laboratories</td>
<td>80</td>
<td>$2,000.00</td>
<td>$0.00</td>
<td>Pfizer IGLC Grant: Annual Symposium of the Effects of Growth Hormone on Metabolism</td>
<td>Kopchick, John Berryman, Darlene</td>
<td>BMS</td>
</tr>
<tr>
<td>Longenecker, Randall</td>
<td>RUSP</td>
<td>Ohio State University</td>
<td>100</td>
<td>$10,868.00</td>
<td>$0.00</td>
<td>Rural Scholars - FY17</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Longenecker, Randall</td>
<td>RUSP</td>
<td>The RTT Collaborative</td>
<td>100</td>
<td>$63,636.00</td>
<td>$0.00</td>
<td>The RTT Collaborative Administration</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Longenecker, Randall</td>
<td>RUSP</td>
<td>The RTT Collaborative</td>
<td>100</td>
<td>$90,000.00</td>
<td>$0.00</td>
<td>The RTT Collaborative Administration</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Meeks, Sue</td>
<td>CHP</td>
<td>Health Resources &amp; Services Administration</td>
<td>50</td>
<td>$100,000.00</td>
<td>$39,000.00</td>
<td>A Comprehensive Patient Navigation Program for Rural Appalachia</td>
<td>Beverly, Elizabeth Meeks, Sue</td>
<td>Fam Med, CHP</td>
</tr>
<tr>
<td>Meeks, Sue</td>
<td>CHP</td>
<td>Integrating Professionals for Appalachian Children</td>
<td>100</td>
<td>$21,299.50</td>
<td>$0.00</td>
<td>IPAC/PFK FN Contract</td>
<td>Meeks, Sue</td>
<td>CHP</td>
</tr>
<tr>
<td>Meeks, Sue</td>
<td>CHP</td>
<td>Ohio Department of Health</td>
<td>100</td>
<td>$78,796.57</td>
<td>$0.00</td>
<td>Maternal Child Health Program</td>
<td>Meeks, Sue</td>
<td>CHP</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Ohio Association of Free Clinics</td>
<td>100</td>
<td>$9,293.20</td>
<td>$0.00</td>
<td>Uninsured Care Funds</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Name</td>
<td>Unit</td>
<td>Sponsor Name</td>
<td>% Resp</td>
<td>Total Direct and Indirect Costs Received in FY 2017</td>
<td>Total Indirect Costs Received by Ohio University in FY 2017</td>
<td>Project Title</td>
<td>PI Name</td>
<td>PI Unit</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>-------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>------------------------------------------------------------</td>
<td>---------------------------------------------------------</td>
<td>--------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Ohio Association of Free Clinics</td>
<td>100</td>
<td>$153.20</td>
<td>$0.00</td>
<td>Uninsured Care Funds</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Ohio Commission on Service and Volunteerism</td>
<td>100</td>
<td>$315,383.00</td>
<td>$13,277.62</td>
<td>COMCorps</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Ohio Department of Health</td>
<td>50</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Breast &amp; Cervical Cancer Early Detection Project (BCCP)</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Susan G. Komen Breast Cancer Fd- Columbus Affiliate</td>
<td>100</td>
<td>$121,219.00</td>
<td>$0.00</td>
<td>Healthy Adult Project: Breast Education, Screening &amp; Navigation Program</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>University Medical Associates, Inc.</td>
<td>100</td>
<td>$24,544.00</td>
<td>$0.00</td>
<td>CNP Sharing</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Mollica, Dawn</td>
<td>RUSP</td>
<td>The RTT Collaborative</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>The RTT Collaborative Administration</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Mollica, Dawn</td>
<td>RUSP</td>
<td>The RTT Collaborative</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>The RTT Collaborative Administration</td>
<td>Longenecker, Randall</td>
<td>RUSP</td>
</tr>
<tr>
<td>Ndubuizu, Terra</td>
<td>CLEV</td>
<td>Cyrus Eaton Foundation</td>
<td>100</td>
<td>$1,800.00</td>
<td>$163.64</td>
<td>Aspiring Doctors PreCollege Program</td>
<td>Ndubuizu, Terra</td>
<td>CLEV</td>
</tr>
<tr>
<td>Newberry, Tobie</td>
<td>CHP</td>
<td>Ohio Department of Health</td>
<td>50</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Breast &amp; Cervical Cancer Early Detection Project (BCCP)</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
<tr>
<td>Newberry, Tobie</td>
<td>CHP</td>
<td>Susan G. Komen Breast Cancer Fd- Columbus Affiliate</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Healthy Adult Project: Breast Education, Screening &amp; Navigation Program</td>
<td>Newberry, Tobie</td>
<td>CHP</td>
</tr>
<tr>
<td>Nottingham, Kelly</td>
<td>Fam Med</td>
<td>Live Healthy Appalachia</td>
<td>100</td>
<td>$1,466.00</td>
<td>$219.90</td>
<td>Beyond Food Access: Expanding Healthy Cooking Knowledge in Appalachian Ohio</td>
<td>Nottingham, Kelly</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
<td>Northeast Ohio Medical University</td>
<td>25</td>
<td>$4,427.75</td>
<td>$442.78</td>
<td>Community Health Worker</td>
<td>Graham, Dawn Shaub, Tracy Shaw, Kerri</td>
<td>Soc Med Fam Med Soc Pub Hlth</td>
</tr>
<tr>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
<td>Ohio State University</td>
<td>45</td>
<td>$48,220.65</td>
<td>$4,822.07</td>
<td>OU MEDTAPP INITIATIVE 4-5 Renewal</td>
<td>Shaub, Tracy Bianco, Joseph</td>
<td>Fam Med Soc Med</td>
</tr>
<tr>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
<td>Ohio State University</td>
<td>100</td>
<td>$210,000.00</td>
<td>$0.00</td>
<td>OU MEDTAPP Initiative 3</td>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Smith, Danny</td>
<td>Med Infor</td>
<td>ADAMHS Board for Montgomery County</td>
<td>100</td>
<td>$1,920.00</td>
<td>$0.00</td>
<td>OBTN ADAMHS Board for Montgomery County</td>
<td>Smith, Danny</td>
<td>Med Infor</td>
</tr>
</tbody>
</table>

Page 35
<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith, Danny</td>
<td>Med Infor</td>
<td>Hopewell Health Centers, Inc</td>
<td>100</td>
<td>$28,800.00</td>
<td>$0.00</td>
<td>Southern Ohio Telehealth Network</td>
<td>Smith, Danny</td>
<td>Med Infor</td>
</tr>
<tr>
<td>Smith, Danny</td>
<td>Med Infor</td>
<td>Ohio Dept. of Mental Health</td>
<td>100</td>
<td>$55,680.00</td>
<td>$0.00</td>
<td>Ohio Behavioral Telehealth Network (OBTN)</td>
<td>Smith, Danny</td>
<td>Med Infor</td>
</tr>
<tr>
<td>Smith, Danny</td>
<td>Med Infor</td>
<td>Woodland Centers, Inc.</td>
<td>100</td>
<td>$7,200.00</td>
<td>$0.00</td>
<td>Southern Ohio Telehealth Network</td>
<td>Smith, Danny</td>
<td>Med Infor</td>
</tr>
<tr>
<td>Wadsworth, Nicole</td>
<td>Fam Med</td>
<td>Ohio State University</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Healthcare Access Initiative: Interprofessional Health Teams</td>
<td>DiGiovanni, Jeff</td>
<td>Rehab Comm Sci</td>
</tr>
</tbody>
</table>

$1,711,887.76  $113,009.73
<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barone, Marie</td>
<td>Stud Aff</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$254,972.00</td>
<td>$0.00</td>
<td>OHF Vision 2020</td>
<td>Barone, Marie</td>
<td>Stud Aff</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$673,789.00</td>
<td>$0.00</td>
<td>OHF Vision 2020 P3 GS Clinical &amp; Translational Research Unit Infrastructure</td>
<td>Berryman, Darlene</td>
<td>BMS</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$469,281.00</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Diabetes Research</td>
<td>Berryman, Darlene</td>
<td>BMS</td>
</tr>
<tr>
<td>Berryman, Darlene</td>
<td>BMS</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$284,559.00</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Diabetes/Endocrine Clinical Research Center</td>
<td>Berryman, Darlene</td>
<td>BMS</td>
</tr>
<tr>
<td>Clark, Brian</td>
<td>BMS</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$120,001.00</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Basic and Translational Research Center</td>
<td>Clark, Brian</td>
<td>BMS</td>
</tr>
<tr>
<td>de Lacalle, Sonsoles</td>
<td>BMS</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$596,209.00</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Cultivating the Next Generation of Physician-Scientists at OU-HCOM</td>
<td>de Lacalle, Sonsoles</td>
<td>BMS</td>
</tr>
<tr>
<td>Diaz, Sebastian</td>
<td>Fam Med</td>
<td>Osteopathic Heritage Foundation</td>
<td>75</td>
<td>$111,677.25</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Engage the Central Appalachian Consortium Colleges of Osteopathic Medicine to design a consortium for innovation focused on primary care research and medical education</td>
<td>Johnson, Kenneth Diaz, Sebastian</td>
<td>Dean Fam Med</td>
</tr>
<tr>
<td>Johnson, Kenneth</td>
<td>Dean</td>
<td>Osteopathic Heritage Foundation</td>
<td>25</td>
<td>$37,225.75</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Engage the Central Appalachian Consortium Colleges of Osteopathic Medicine to design a consortium for innovation focused on primary care research and medical education</td>
<td>Johnson, Kenneth Diaz, Sebastian</td>
<td>Dean Fam Med</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Osteopathic Heritage Foundation</td>
<td>100</td>
<td>$66,668.00</td>
<td>$0.00</td>
<td>Vision 2020: Leading the Transformation of Primary Care in Ohio - Community Health Programs</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
</tbody>
</table>

$2,614,382.00 $0.00
## Table 4 – Heritage College Department of Higher Education Subsidy Support

<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barone, Marie</td>
<td>Stud</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$240,000.00</td>
<td>$0.00</td>
<td>Choose Ohio First Scholarship Program - HCOM</td>
<td>Barone, Marie</td>
<td>Stud Aff</td>
</tr>
<tr>
<td>Barone, Marie</td>
<td>Stud</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$30,000.00</td>
<td>$0.00</td>
<td>Choose Ohio First Scholarship Program - HCOM</td>
<td>Barone, Marie</td>
<td>Stud Aff</td>
</tr>
<tr>
<td>Burnett, Patricia</td>
<td>Stud</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$10,643.00</td>
<td>$0.00</td>
<td>Choose Ohio First Medical Student Scholarships</td>
<td>Burnett, Patricia</td>
<td>Stud Aff</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$2,911,212.00</td>
<td>$0.00</td>
<td>CORE Clinical Teaching Subsidy - Administration</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$135,185.00</td>
<td>$0.00</td>
<td>Family Practice (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$369,164.00</td>
<td>$0.00</td>
<td>Family Practice (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$74,593.00</td>
<td>$0.00</td>
<td>Geriatric Medicine (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$64,557.00</td>
<td>$0.00</td>
<td>Primary Care Residencies (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$162,495.00</td>
<td>$0.00</td>
<td>Primary Care Residencies (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$58,002.00</td>
<td>$0.00</td>
<td>Ohio Area Health Education Centers Program (State Subsidy)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Merckle, Carole</td>
<td>CHP</td>
<td>Ohio Department of Higher Education</td>
<td>100</td>
<td>$67,774.00</td>
<td>$0.00</td>
<td>Ohio AHEC Supplemental (State Subsidy)</td>
<td>Merckle, Carole</td>
<td>CHP</td>
</tr>
</tbody>
</table>

$4,123,625.00 $0.00
Table 5 – Heritage College CORE Member and Affiliate College of Osteopathic Medicine (ACOM) Payments

<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
<td>Various Sponsors</td>
<td>100</td>
<td>$255,523.00</td>
<td>$0.00</td>
<td>Centers for Osteopathic Research and Education Graduate Medical Education Academic Services (CORE Add’l Svcs)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
<td>Various Sponsors</td>
<td>100</td>
<td>$658,380.00</td>
<td>$0.00</td>
<td>Centers for Osteopathic Research and Education Academic Sponsorship of Graduate Medical Education Programs (CORE Essentials)</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
<td>Various Sponsors</td>
<td>100</td>
<td>$31,990.00</td>
<td>$0.00</td>
<td>Centers for Osteopathic Research and Education (CORE) System: Associate (Supplemental) Members</td>
<td>Jolley, Gregory</td>
<td>Adm Fin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$945,893.00</strong></td>
<td><strong>$0.00</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 6 – Heritage College Scholarship and Fellowship Grant and Contract Funding

<table>
<thead>
<tr>
<th>Name</th>
<th>Unit</th>
<th>Sponsor Name</th>
<th>% Resp</th>
<th>Total Direct and Indirect Costs Received in FY 2017</th>
<th>Total Indirect Costs Received by Ohio University in FY 2017</th>
<th>Project Title</th>
<th>PI Name</th>
<th>PI Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baker, Samantha</td>
<td>CLEV</td>
<td>City of Warrensville Heights</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Aspiring Doctors PreCollege Program</td>
<td>Ndubizu, Terra</td>
<td>CLEV</td>
</tr>
<tr>
<td>Cooper, Nancy</td>
<td>Soc Med</td>
<td>American Association of Colleges of Osteopathic Medicine</td>
<td>100</td>
<td>$161,906.00</td>
<td>$0.00</td>
<td>Health Policy Fellowship</td>
<td>Cooper, Nancy</td>
<td>Soc Med</td>
</tr>
<tr>
<td>Cooper, Nancy</td>
<td>Soc Med</td>
<td>New York College of Osteopathic Medicine NYIT</td>
<td>100</td>
<td>$36,000.00</td>
<td>$0.00</td>
<td>Health Policy Fellowship</td>
<td>Cooper, Nancy</td>
<td>Soc Med</td>
</tr>
<tr>
<td>Ndubizu, Terra</td>
<td>CLEV</td>
<td>City of Warrensville Heights</td>
<td>100</td>
<td>$12,500.00</td>
<td>$1,136.36</td>
<td>Aspiring Doctors PreCollege Program</td>
<td>Ndubizu, Terra</td>
<td>CLEV</td>
</tr>
<tr>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
<td>Doctors Foundation-Greater Cincinnati/Northern Kentucky Healthcare Foundation</td>
<td>5</td>
<td>$75.00</td>
<td>$0.00</td>
<td>2017 Doctors Foundation Awards Program</td>
<td>Shaub, Tracy</td>
<td>Fam Med</td>
</tr>
<tr>
<td>Witmer, Lawrence</td>
<td>BMS</td>
<td>National Science Foundation</td>
<td>0</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Evolution of the brain and behavior in birds using a novel 3D imaging technique</td>
<td>Arocho, Thea</td>
<td>ORSP</td>
</tr>
</tbody>
</table>

Total Indirect Costs Received by Ohio University in FY 2017: $210,481.00

Total Direct and Indirect Costs Received in FY 2017: $1,136.36
APPENDIX C: FY2017 Heritage College Publications

**BOLD** indicates Heritage College Faculty

* indicates Heritage College Staff

**BLUE** indicates Ohio University Collaborator

Underline indicates Ohio University student

**Peer-Reviewed**


45. Gordon HM, Majithia N, MacDonald PE, Fox JEM, Sharma PR, Byrne FL, Hoehn KL, Evans-Molina C, Langman L, Brayman KL, Nunemaker CS. STEAP4 expression in human islets is associated with differences


76. Oki K, Mahato NK, Nakazawa M, Amano S, France CR, Russ DW, Clark BC. Preliminary Evidence That Excitatory Transcranial Direct Current Stimulation Extends Time to Task Failure of a Sustained, Submaximal Muscular Contraction in Older Adults. The journals of gerontology Series A, Biological sciences and medical


Reviews


**Book Chapters**


### APPENDIX D: FY2017 Heritage College Intramural Funding

<table>
<thead>
<tr>
<th>PI Name</th>
<th>Co-Investigator Name</th>
<th>Project Title or Description</th>
<th>Funding Source</th>
<th>Award Period</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benner, S.</td>
<td>McCall, Kelly (Mentor)</td>
<td>Inflammatory profile in the pancreas of NOD and TLR3 knockout NOD mice before and after Coxackievirus B4 infection</td>
<td>John J. Kopchick Molecular and Cellular Biology/Translational Biomedical Sciences Research Fellowship Award</td>
<td>11/2016-12/31/2017</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>Bergmeier, Steve</td>
<td>Chen, Xiaozhuo</td>
<td>Glut1 Inhibitors</td>
<td>Ohio Government I-Corp Grant</td>
<td>6/2017-6/2018</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>Bergmeier, Steve</td>
<td>Multiple Including Chen, Xiaozhuo</td>
<td>Ohio Drug Discovery Collaborative: Identification and Development of Novel Molecular Therapies for Human Disease</td>
<td>Ohio University Technology Innovation Fund</td>
<td></td>
<td>$50,000.00</td>
</tr>
<tr>
<td>Bergmeier, Steve</td>
<td>Chen, Xiaozhuo</td>
<td>Glut1 Inhibitors</td>
<td>Ohio Government I-Corp Grant</td>
<td>6/2016-6/2017</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>Berryman, Mark</td>
<td>Bianco, Joe Stoner, Jason Shaub, Tracy</td>
<td>Undergraduate Research Apprenticeship Program (Payment directly to student)</td>
<td>Honors Tutorial College</td>
<td>5/2016-8/2016</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Beverly, Elizabeth A.</td>
<td>Bianco, Joe Stoner, Jason Shaub, Tracy</td>
<td>Burnout Prevention Program for Residents and Medical Students</td>
<td>1804 Fund</td>
<td>2016-2018</td>
<td>$20,230.00</td>
</tr>
<tr>
<td>Burdick, Monica</td>
<td>Malgor, Ramiro</td>
<td>Theranostics and non-thermal plasma jet device development: Applications for the diagnosis, prevention and treatment of cervical cancer</td>
<td>1804 Fund</td>
<td>7/01/16-6/30/18</td>
<td>$50,000.00</td>
</tr>
<tr>
<td>Chen, Xiaozhuo</td>
<td>Guo, Aili</td>
<td>Inhibitory activity of α-PGG/TGQ in insulin secretion in pancreatic islets and cells</td>
<td>RSAC</td>
<td>5/01/16-4/30/17</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Clark, Brian</td>
<td></td>
<td>Innovative Strategies for Diagnosis of Osteoporosis and Prevention of Fractures</td>
<td>Ohio University Innovation Strategy Fund</td>
<td>3/01/16-2/28/19</td>
<td>$875,000</td>
</tr>
<tr>
<td>de Lacalle, Sonsoles</td>
<td></td>
<td>Maintaining a colony of CMKO mice</td>
<td>RSAC</td>
<td>2017-2018</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>de Lacalle, Sonsoles</td>
<td></td>
<td>Characterization of the CMKO Mouse</td>
<td>Ohio Musculoskeletal and Neurological Institute Seed Grant</td>
<td>2015-2016</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Drozek, David</td>
<td>Malgor, Ramiro</td>
<td>Building medical student health teaching capacity in underserved Appalachian communities.</td>
<td>Ohio University HCOM, Rural and Underserved Programs</td>
<td>2017</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Farnoud, Amir</td>
<td>Malgor, Ramiro</td>
<td>Acquisition of a high sensitivity spectrofluorometer</td>
<td>1804 Fund</td>
<td>7/01/16-6/30/18</td>
<td>$50,000.00</td>
</tr>
<tr>
<td>Haile, Zelalem Sarfo, Bismark</td>
<td>Bonney, Evelyn</td>
<td>Biomarkers associated with disease progression in HIV/AIDS patients at an antiretroviral clinic in Ghana</td>
<td>RSAC</td>
<td>4/2016-4/2017</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>PI Name</td>
<td>Co-Investigator Name</td>
<td>Project Title or Description</td>
<td>Funding Source</td>
<td>Award Period</td>
<td>Award Amount</td>
</tr>
<tr>
<td>------------------------------</td>
<td>----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------</td>
<td>--------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Kingori, Caroline Haile, Zelalem</td>
<td>Sarfo, Bismark Memiah, Peter</td>
<td>Selected Markers of Development of Diabetes among HIV-positive Individuals Receiving Treatment at an Urban Hospital in Ghana</td>
<td>Ohio University College of Health Sciences and Professions Research Innovation Grant</td>
<td>2/2017-2/2018</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Kopchick, John</td>
<td>N/A</td>
<td></td>
<td>Ohio Eminent Scholar Program</td>
<td>1987-Perpetual</td>
<td>$250,000.00</td>
</tr>
<tr>
<td>McCall, Kelly</td>
<td></td>
<td>Start-Up Funding</td>
<td>Ohio University College of Osteopathic Medicine</td>
<td>1/2016-1/2018</td>
<td>$314,000.00</td>
</tr>
<tr>
<td>McCall, Kelly</td>
<td>Coschigano, Karen</td>
<td>Graduate Assistantship Award</td>
<td>Ohio University College of Osteopathic Medicine</td>
<td>8/2013-7/2018</td>
<td>$21,218.00</td>
</tr>
<tr>
<td>Nowak, Felicia</td>
<td></td>
<td>ArhGAP39 is a pro-apoptotic factor in neuro-development, -plasticity and -degeneration; Effect of high fat diet (HFD)-induced paternal obesity on metabolic and behavioral profile of offspring</td>
<td>Ohio University HCOM Supplemental Faculty Start-Up</td>
<td>2/2017-2/2019</td>
<td>$70,000.00</td>
</tr>
<tr>
<td>Nunemaker, Craig</td>
<td></td>
<td>Reducing glycolytic activity to restore normal islet function prior to type 2 diabetes</td>
<td>RSAC</td>
<td>4/2017-4/2018</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>Ojano Sheehan, Olivia Gerome, Jody</td>
<td></td>
<td>A Pilot Study to Compare Outcomes of 3rd Year Osteopathic Medical Students’ Learning in Inpatient and Outpatient Settings</td>
<td></td>
<td>2016-2017</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Roche, Rosellen</td>
<td></td>
<td>Transformative Care Curriculum, Cleveland Campus, OUHCOM &amp; The Cleveland Clinic – Several Investigative Projects Based on Current Research</td>
<td>Ohio University HCOM &amp; AMA Membership Consortium</td>
<td>Continuous</td>
<td>$75,000.00</td>
</tr>
<tr>
<td>Rubin, Sarah</td>
<td></td>
<td>The Impact of Poverty and Race on Risk of Infant Mortality in Cleveland OH: A Qualitative Pilot Study</td>
<td>OURC</td>
<td>1/01/2017-12/31/2017</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>Rubin, Sarah</td>
<td></td>
<td>Experiences of poverty, race, and other sociocultural factors in the lives of pregnant and postpartum women in areas that are high-risk for infant mortality in Northeast Ohio</td>
<td>Ohio University HCOM Mentored Student Research Award</td>
<td>3/01/2016-7/15/2016</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>Rubin, Sarah (Faculty Mentor)</td>
<td></td>
<td>The Impact of Poverty and Race on Risk of Infant Mortality in Cleveland OH: A Qualitative Pilot Study</td>
<td>CORE Research Seed Funding</td>
<td>4/01/2016-3/30/2017</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Skinner, Daniel Franz, Berkeley</td>
<td></td>
<td>Medical Urbanism: Hospitals, City Neighborhoods, and Community Health</td>
<td>OURC</td>
<td>1/01/2017-12/31/2017</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>PI Name</td>
<td>Co-Investigator Name</td>
<td>Project Title or Description</td>
<td>Funding Source</td>
<td>Award Period</td>
<td>Award Amount</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------</td>
<td>---------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Stevens, Nancy</td>
<td></td>
<td>Ohio University Museum Complex on The Ridges</td>
<td>Konneker Grant for Learning and Discovery</td>
<td>2017-2018</td>
<td>$88,000.00</td>
</tr>
<tr>
<td>Tanda, Rika</td>
<td>Beverly, Elizabeth A. Kushnick, Michael Hughes, Kimberly</td>
<td>Survey of Ohio Nurse Practitioners’ Childhood Obesity Prevention Practice</td>
<td>College of Health Sciences and Professions Interdisciplinary Research Grant</td>
<td>2015-2016</td>
<td>$8,303.00</td>
</tr>
<tr>
<td>Truax, Rob</td>
<td></td>
<td>Does the Shoulder Press Test Identify Shoulder Dysfunction in Individuals with Unilateral Shoulder Pain?</td>
<td>CORE Research Seed Funding</td>
<td>6/2016-6/2017</td>
<td>$2,589.00</td>
</tr>
<tr>
<td>Witmer, Larry</td>
<td>Porter, William</td>
<td>In Vivo Physiological Analysis of Vascular Thermoregulatory Structures Using Noninvasive Infrared Thermography on Free-Ranging Birds</td>
<td>OURC</td>
<td>2016-2017</td>
<td>$7,980.00</td>
</tr>
</tbody>
</table>

$2,028,320.00
APPENDIX E: FY2017 Heritage College Abstracts, Presentations, Posters and Seminars

**BOLD** indicates Heritage College Faculty
* indicates Heritage College Staff
**BLUE** indicates Ohio University Collaborator
Underline indicates Ohio University student

1. Ackers I, Malgor R. Atherogenic Lipids Activate Planar Cell Polarity Wnt Signaling in THP-1 Macrophages. American Heart Association meeting; 2017 November 11-13; Amaheim CA.

2. Bailleul AM, Witmer LM, Horner JR, Holliday CM. New histological data on the cranial joints of archosaurs: significance for the evolution and functional inferences of dinosaur cranial kinematics. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.


6. *Basu R, Wu S, Kopchick J.J. Effects of modulation of the growth hormone axis in human melanoma cells. 8th International congress of the GR and IGF Society; 2016 November; Tel Aviv Israel.


13. Beverly EA, Creech J. Barriers to Physical Activity Counseling among Rural Primary Care Physicians. North American Primary Care Research Group; 2016 November 12-16; Colorado Springs CO.


Patient Navigation Program for Rural Appalachia. 2016 Health Resources and Services Administration Grantee Meeting; 2016 October 25-26; Rockville MD.


21. Beverly EA. Motivational Interviewing and Diabetes. Live Health Appalachia Summit; 2016 October 20; Athens OH.


26. Borths M, Roberts E, Stevens NJ. The first hyaenodont from the late Oligocene Nsungwe Formation, Rukwa Rift Basin, Tanzania: Ecological diversity of Afro-Arabian mammalian carnivores near the Paleogene/Neogene boundary. Society of Vertebrate Paleontology; 2016 October; SLC UT.


28. Brittain AL, Menon RK, Kopchick JJ. The role of growth hormone action in the glomerulus: studies of the podocyte-specific growth hormone receptor gene-deleted mouse. Growth Hormone IGF Res. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

29. Brooks NE, Hjortebjerg, Henry BE, List EO, Kopchick JJ, Berryman DE. Fibroblast growth factor 21, fibroblast growth factor receptor 1 and β-Klotho expression in bovine GH transgenic and GH receptor knockout mice. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

30. Buchman M, List EO, Berryman DE, Wilson C, Kopchick JJ. Analysis of collagen content of various tissues in insulin resistant bovine GH transgenic mice. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.


32. Caggiano EG, DG Cerio, *Porter WR, *Ridgely RC, Witmer LM. The anatomy of the nasal salt gland of extant birds and its relevance for inferring the behavior and habitat preferences of extinct birds and other archosaurs. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

33. Caggiano EG, Witmer LM. Dissecting with Emily: an online video series to enhance outreach, engagement, and science communication. Ohio Avian Research Conference; 2016 October; Denison University Granville OH.

34. Caggiano EG, Witmer LM. Musculoskeletal adaptations for dynamic soaring flight in the Laysan albatross, a long-winged oceanic bird. Ohio Avian Research Conference; 2016 October; Denison University Granville OH.

35. Caggiano EG, Witmer LM. The anatomy of the nasal salt gland of extant birds and its relevance for inferring the behavior and habitat preferences of extinct birds and other archosaurs. Ohio Avian Research Conference; 2016 October; Denison University Granville OH.


37. Carlson G, Shirure V, Ostermann AO, Blaha EA, Delgadillo LF, Tees DFJ, Benencia F, Burdick M. The
epithelial to mesenchymal transition regulates the expression of E-selectin ligands on breast cancer cell lines. AACR 107th Annual Meeting on Bioinformatics and Systems Biology; 2016 APR 16-20; New Orleans LA.


41. Casapulla S. Self-efficacy in osteopathic medical students. American Association of Colleges of Osteopathic Medicine annual conference; 2017 April; Baltimore MD.

42. Cerio DG, Witmer LM. Soft tissue reconstruction and visual fields of dinosaurs and their extant relatives. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

43. Chertok I, Haile ZT, Argov-Argaman N, Argov-Argaman N. Delayed Lactogenesis II in Women with Gestational Diabetes Mellitus. 9th International Symposium on Diabetes, Hypertension, Metabolic Syndrome and Pregnancy; 2017 March 8-12; Barcelona Spain.


45. Chrisman L. Creating a Successful TED Talk or Elevator Speech: Let your Personal Mission/Story Move others to help you Succeed. Leading Change Mid-Senior Level Leaders Fellowship 2017 STFM Annual Meeting; 2017 May 7; San Diego CA.

46. Clark B. Age of Champions. J.O. Watson, D.O. Lecturer, Ohio Osteopathic Association; 2017; Columbus OH.

47. Clark B. How to Account for Muscle Quality (Specific Force) in the Sarcopenia Definition. Invited Speaker; Sarcopenia Cutpoints Project Investigators’ Meeting; 2016 April 26; Philadelphia PA.


49. Clark B. Skeletal Muscle Mass as a Modulator of the Neuro-Immune-Endocrine System: From Performance and Health to Sarcopenia and Dynapenia. Invited Speaker. Open Academy of Medicine; 2016; Venice Italy.


53. Coschigano K. Streptozotocin Treated STAT5 Knockout Mice: A Novel Model of Diabetic Tubulopathy or Acute Kidney Injury? University of Michigan Health Systems Division of Nephrology Basic Science Seminar series; 2016 July 19; Ann Arbor MI.


56. Cost IN, Sellers KC, Davis JL, Middleton KM, Witmer LM, Holliday CM. Postural changes and kinetic competency in the palates of birds and other diapsids. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.


59. Drozek D. Prescribing Lifestyle. Area Health Education Center Lunchtime Seminar; 2017 May 15; O'Bleness Hospital, Athens OH.

60. Dukes D, Berkeley F, Skinner D. ACA Community Health Needs Assessments and Primary Care: An Analysis of Non-profit Hospital Implementation Plans in Ohio. North American Primary Care Working Group Conference; 2016 November; Colorado Springs CO.

61. Duran Ortiz S, Jannila RK, Suer O, Edward EO, Kopchick JJ. Production and Characterization of Adult Onset Growth Hormone Receptor Knockout Mice. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

62. Early CM, Witmer LM. Inferring vision-related neuroanatomy and behavior from the brain endocasts of birds. Annual Meeting of the Society of Integrative and Comparative Biology; 2017 January; New Orleans LA.

63. Early CM, Witmer LM. Predicting visual abilities and behaviors in extinct birds based on brain endocasts. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016; Salt Lake City UT.

64. Felice RN, Cuff A, Witmer LM, O'Connor PM, Rayfield EJ, Goswami A. Quantifying modularity and rates of morphological evolution across Archosauria using phenomic data. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

65. Finelli CC, *Graham D, Beverly EA. Identifying Students' Perceived Challenges to Medical School May Foster a More Supportive Learning Environment. 2017 Ohio Osteopathic Symposium; 2017 April 19-23; Columbus OH.


69. Gemmel M, Császár E, Hazlett M, de Lacalle S, Tanda S, Pawlusi J. Perinatal SSRI exposure affects social behavior and related neurobiology in juvenile rat offspring. 45th Annual Meeting of the Society for Neuroscience; 2016; San Diego CA.

70. Gemmel M, Császár E, Hazlett M, de Lacalle S, Tanda S, Pawlusi J. Perinatal Fluoxetine Exposure Effects on Social Behaviors and Neuroplasticity in Juvenile and Adult Female Offspring. Federation of European Neurosciences Societies Forum of Neuroscience; 2016 July; Copenhagen Denmark.

71. Gemmel M, Hazlett M, Császár E, de Lacalle S, Pawlusi J. Perinatal SSRIs and maternal stress differentially affect social interactions and the HPA system of juvenile rat offspring. 21st Meeting of the LARC-Neuroscience Network; 2016 November; Rennes France.

72. Gerome J, Ojano Sheehan OT. A Comparison of Student Performance in Inpatient vs Outpatient Clinical Settings. AACOM/AODME Conference; 2017 April; Baltimore MD.


74. Graham D. Trauma Informed Care: Teaching Self-Care to Those Who Care. The 2017 Annual Convention of the Ohio Psychological Association; 2017 April; Columbus OH.


81. **Haile ZT, Kingori C, Darlington K, Basta T, *Chavan B.** Factors Influencing HIV Risk Perception among College Students at a University in the Midwest. Public Health Association Annual Meeting; 2016 Oct 29-Nov 2; Denver CO.

82. **Hammes C, Dr. Still’s Birth Plan.** American College of Osteopathic Obstetricians and Gynecologists National Convention; 2016 October 6 & 7; Cleveland OH.

83. **Hammes C, OMM Clinical Case Considerations for OBGYN.** American College of Osteopathic Obstetricians and Gynecologists National Convention; 2016 October 6 & 7; Cleveland OH.

84. **Hammes C, OMT workshop for common pregnancy complaints.** American College of Osteopathic Obstetricians and Gynecologists National Convention; 2016 October 6 & 7; Cleveland OH.

85. **Hargrove EJ, Berryman DE, *Yoder JM, Beverly EA.** Assessment of Nutrition Knowledge and Attitudes in Pre-Clinical Osteopathic Medical Students. 2017 Ohio Osteopathic Symposium; 2017 April 19-23; Columbus OH.

86. **Healy A, Barriers to Diabetes Care.** Diabetes Review. Ohio Osteopathic Symposium; 2017 April 20; Columbus OH.

87. **Healy A, Diabetes Preconception to Post-partum.** Women’s Health and Gender Sensitive Symposium; 2017 May 20; Ohio Health.

88. **Henry BE, Benencia F, Comisford R, List EO, Kopchick JJ, Berryman DE.** Identification and analysis of immune cell populations in white adipose tissue depots of growth hormone receptor knockout mice. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

89. **Hess M, Lowery C, Flowers-Clements L, Gomez-Urrego G, Casapulla S.** The lived experiences of international university students regarding the phenomenon of rural Appalachian Ohio. Appalachian Studies Association annual conference; 2017 March; Blacksburg VA.

90. **Hilbert-Wolf H, Roberts EM, Mtelela X, O’Connor PM, Stevens NJ.** U/Pb geochronology and detrital thermochronology reveal younger sedimentation in the Rukwa Rift Basin. Geological Society of America; 2016 October;

91. **Holliday CM, *Porter WR, Owerekowicz T, Vliet K, Witmer LM.** The soft tissues of the dorsotemporal fenestra of archosaurs and its significance for dinosaur biology. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

92. **Holliday CM, Hill C, Davis JL, Witmer LM, Middleton K.** Inside Dinosaurs: a broader impacts program for research, teaching and public education through dinosaur biology, physics and evolution. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

93. **Holliday CM, Hill CA, Davis JL, Witmer LM, Middleton KM.** Inside Dinosaurs: A broader impacts program for research, teaching and public education through dinosaur biology, physics and evolution. 129th Annual Meeting of the American Association of Anatomists, Experimental Biology Conference; 2017 April; Chicago IL.


95. **Ice G, Haile ZT.** Changing Family Landscapes: Living Arrangements and Well-Being among Indian and
Chinese Elders. 2016 Gerontological Society of America Annual Meeting; 2016 November 16-20; New Orleans LA.

96. Iyanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. 2017 Ohio Osteopathic Symposium; 2017 April 19-23; Columbus OH.


100. Kerr AM, Beverly EA, Diaz S. Osteopathic medical students’ communication satisfaction and their desire to practice primary care in rural and underserved areas. DC Health Communication Conference; April, 2017; Fairfax VA.


104. Kopchick JJ. Growth Hormone – Basics Aspects. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

105. Kopchick JJ. Growth Hormone Receptor Antagonists: from bench to bedside. Annual Young Active Research in Endocrinology (YARE) Symposium; 2016 October 21; Wurzburg Germany.

106. Kopchick JJ. Growth Hormone, Mini-Mice, Football, Dirty Shorts and a New Drug. Grand Rounds, North East Ohio Medical School; 2016 September 20; Ohio.


110. Kopchick JJ. Invited Presentation, Disrupting GH action specifically in liver, muscle, cardiac or adipose tissue produces mice with dramatically different physiologies and aging profiles. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.


112. Kopchick JJ. Invited Symposium Speaker, Genetics and Osteopathic Medicine: Partners for Hope: What we can learn from William Linder, DO. Ohio Osteopathic Symposium; 2017 April 10; Columbus OH.


114. Kopchick JJ. Invited Symposium Speaker, Growth Hormone Receptor Antagonists. GH and Growth Factors, Metabolic Actions; 2017 June 1; Marstrand Sweden.


118. Lamanna MC, Martinez RD, RD, Novas FE, *Ridgely RC, Casal GA, Witmer LM. Anatomy, phylogeny, and paleobiology of Sarmientosaurus musacchioi, a titanosaurian sauropod dinosaur from the Upper Cretaceous of central Patagonia, Argentina. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.


120. Law T. Comparison of MRI-Derived and DEXA-Derived Measurements of Quadriceps Muscle Mass in the Healthy Adults. ICFSR International Conference on Frailty and Sarcopenia Research; 2017 April 27-28; Barcelona Spain.

121. Lee K. Obesity, Insulin Resistance, and Type 2 Diabetes: The Role of Adipose Tissue. Shawnee State University; 2017 March 15; Portsmouth OH.

122. List EO, Berryman DE, Jara A, Buchman M, Suer O, Ruz P, Stevens A, Bell S, Baumgaertel NM, Mathies S, Kopchick JJ. Disrupting GH action specifically in liver, muscle, cardiac or adipose tissue produces mice with dramatically different physiologies and aging profiles. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

123. Long S, Raina G, Beverly EA. Understanding Cultural Perspectives in Medical Students. 2017 Ohio Osteopathic Symposium; 2017 April 19-23; Columbus OH.


125. Longenecker R, Casapulla S. Community engaged rural health professions education and training. 2016 Ohio Rural Health Conference & Flex Annual Meeting: People, Places, Partnerships and Outcomes; 2016 August; Columbus OH.

126. Longenecker R, Casapulla S. Critical Thinking and Clinical Jazz. AAMC Annual Meeting; 2016 November 15; Seattle WA.

127. Longenecker R, Gobbo R, Kermode D. What is a Rural Program? The RTT Collaborative Annual Meeting; 2017 April 20; Anderson SC.


129. Longenecker R. Bricolage: Making do with what you have. Workshop at Rural WONCA; 2017 May 1; Cairns Australia.

130. Longenecker R. Residency Options in Rural Places. Breakfast common interest discussion group roundtable, Family Medicine Education Consortium Annual Meeting; 2016 October 29; Pittsburgh PA.

131. Longenecker R. Rural Health Professions Research: Design and Dissemination Studio. Workshop at the RTT Collaborative Annual Meeting; 2017 April 20; Anderson SC.

132. Longenecker R. Rural Proofing: Avoiding unintended consequences and promoting equity in rural GME. 2017 GME States Initiatives Summit; 2016 January 24; Albuquerque NM.

133. Longenecker R. The Opportunities and Challenges of Growing Our Own. Presented as part of a panel, Keeping Care Local: Rural Recruitment and Retention: A look at workforce, recruitment and retention in rural America. Rural Health Policy Institute; 2017 February 7; Washington DC.

134. Longenecker R. What is a Rural Program? Workshop at Rural WONCA; 2017 May 1; Cairns Australia.

moderating effects of race/ethnicity. North American Primary Care Research Group (NAPCRG) Annual Conference; 2016 Nov 12-16; Colorado Springs CO.


143. Montanez ML, *Dogbey G, Drozek D. Association of Dyspepsia with Helicobacter pylori in Underserved Communities in Lima, Peru. ACOFP 2017 Convention; 2017 March 16; Kissimmee FL.


145. Murphy ER. Form & Function of an RNA thermometer controlling production of the Shigella virulence factor OmpA. 61st Annual Wind River Conference on Prokaryotic Biology; 2017 June; Estes Park CO.

146. Murphy ER. Riboregulation of virulence factors in Shigella dysenteriae. Ruhr Universitäts Bochum; 2016 November; Bochum Germany.

147. Murphy ER. RNA thermometers in Shigella dysenteriae: Not too hot...not too cold...just right for virulence gene expression. University of Texas; 2017 May; Dallas TX.


152. Patterson D, Longenecker R, Schmitz D. Rural PREP: Building a National Community of Practice and Capacity in Rural Health Research and Education. A national webinar sponsored by the National Rural Health Association; 2017 January 26;


156. *Porter WR, Witmer LM. Restoring dinosaur cephalic vascular anatomy and thermophysiology using osteological correlates and anastomotic connections. 129th Annual Meeting of the American Association of Anatomists, Experimental Biology Conference; 2017 April; Chicago IL.

157. Powell-Joyner N, Beverly EA. Pre-Clinical Osteopathic Medical Students’ Knowledge and Beliefs about Breastfeeding. American Academy of Family Physicians Family Centered Maternity Care Conference; 2016 August 10-13; Madison WI.


159. Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. 2017 Ohio Osteopathic Symposium; 2017 April 19-23; Columbus OH.

160. Puri V. Lipid Droplets and Metabolic Consequences of the Storage of Neutral Lipids. Invited Speaker, FASEB
161. *Qian Y, *Basu R, Kopchick JJ. Growth hormone promotes mouse melanoma cell growth in vitro. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.


164. Roche, R, Chrisman-Khawam. Primary Care, 3-year UME/GME Continuum Education: Promoting a Patient-Centered Model. 37th Forum for Behavioral Science in Family Medicine; 2017; Chicago IL.

165. Rubin S. Burnout and Empathy in the First Year of Residency—Using the Humanities to Develop the Interior Life. Emerging Diversities in Health Humanities Teaching Summer Seminar Hiram College; 2016 June; Hiram OH.

166. Rubin S. Experiences of Poverty, Race and Other Factors in the Lives of Pregnant and Postpartum Women in Cleveland, OH: an exploration of Psychosocial Stress Pathways in Infant Mortality Risk. Infant Mortality Summit Ohio 2016; 2016 December; Cleveland OH.

167. Sandberg D, Martin B, Szolosi A, *Casapulla S. Developing student leaders in campus outdoor recreation programs: An appreciative inquiry. Association for Outdoor Recreation and Education annual conference; 2016 Nov; Minneapolis MN.


170. Shaub T. Osteopathic Medicine and Primary Care – A Natural Fit? Associations of Departments of Family Medicine 2017 Winter Meeting; 2017 February; Orange County CA.


172. Singh M, *Benencia F. Inflammatory signals from fat: Visfatin promotes pro-inflammatory activation and leukocyte interaction in endothelial cells. AAI Annual Meeting; 2017 May 12-16; Washington DC.


175. Skinner D. Health Care Activism in the Age of Trump. American Medical Students Association; Washington DC.

176. Skinner D. Medical Schools as a Career Option for Political Scientists. City University of New York, The Graduate Center; New York NY.

177. Skinner D. Politics, perceptions, and the Presidential Election: What’s Next for Health Policy? Health Policy Institute of Ohio, Ohio Statehouse; Columbus OH.


179. Starner C. Kindness is Free: The Key to Participant Retention. IACRN Conference 2016; 2016 October; Lake Buena Vista FL.

180. Starner C. Kindness is Free: The Key to Participant Satisfaction. Ohio Osteopathic Symposium 2017; 2017 April; Columbus OH.

181. Stevens NJ, Seiffert ER, *O’Connor PM, Roberts EM. A diverse new fossil locality in the late Oligocene Nsongwe Formation, southwestern Tanzania. Society of Vertebrate Paleontology; 2016 October; SLC UT.

182. Stevens NJ, Seiffert ER, *O’Connor PM, Roberts EM. Exploring an under sampled interval in primate evolutionary history: Insights from the Late Oligocene Nsongwe Formation of Tanzania. American
183. Tavoian D, Arnold WD, de Lacalle S. Changes in neuromuscular function with aging and myostatin deletion. 50th Annual Winter Conference on Brain Research; 2017 January 28-February 2; Big Sky MT.


186. Troike KM, Henry BE, Gase GC, Young JA, List EO, Kopchick JJ, Berryman DE. Quantification of UCP1 and oxygen consumption rate in adipose tissue depots of bGH mice. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.

187. Tsuihiji T, Watabe M, Witmer LM, Tsogtbaatar K, Barsbold R. New specimen of Mononykus olecranus (Dinosauria: Theropoda) from Bugin Tsav, western Gobi Desert, Mongolia, with new information on the vertebral and skull morphology. 76th Annual Meeting of the Society of Vertebrate Paleontology; 2016 October; Salt Lake City UT.

188. Tucker J, Casapulla S. Barriers and facilitators to implementing Centering Pregnancy group prenatal care in an urban family medicine residency clinic: A qualitative study. Annual Ohio Osteopathic Symposium; 2017 April; Columbus OH.

189. Walkowski S. Osteopathic Medicine for All: Key to Osteopathic Recognition (WB -9C-118). AACOM; 2017 April 26; Baltimore MD.

190. Walkowski SA, *Martin BL, Ojano Sheehan OT. Osteopathic Medicine for All: Key to Osteopathic Recognition. AACOM/AODME Conference; 2017 April; Baltimore MD.


192. Walter DL, Schwartz FL, McCall KD, Coschigano KT. Effects of Acute Coxsackievirus Infection on the Kidneys of Non-Obese Diabetic Mice. American Society of Nephrology’s 2016 Annual Meeting; 2016 November; Chicago IL.

193. Walter DL, Schwartz FL, McCall KD, Coschigano KT. Effects of Acute Coxsackievirus Infection on the Kidneys of Non-Obese Diabetic Mice. Appalachian Regional Cell Conference; 2016 October; Charleston WV.


195. Williams S. Chewing it over: exploring dynamic interactions between feeding form and function in mammals. Department of Ecology and Evolutionary Biology, Brown University; 2017 April 4; Providence, RI.


197. Witmer LM. Plenary Keynote Address: Radiographic contrast enhancement in the present as a means of fleshing out the past: diceCT and vascular injection of extant birds and reptiles to better understand dinosaur biology. Tomography for Scientific Advancement (ToScA) North America; 2017 June 8; Austin TX.


199. Wolf JH. Cesarean Section in the United States: From Risk to Remedy. Robert Hudson Lecture in the History of Disease, Kansas University Medical Center; 2017 May 11; Kansas City KS.

200. Wolf JH. Impact of Workforce Practice Patterns on Cost and Quality of Care: Lessons from the Increase in Cesarean Sections. Health Policy Fellowship Conference; 2017 February 24; Sarasota FL.

201. Wolf JH. Re-latching: Moving Beyond the Controversy. Breastfeeding and Feminism International Conference, Breastfeeding as Social Justice: From Crucial Conversations to Inspired Action; 2017 March 24; Chapel Hill NC.

202. Wolf JH. Rich vs. Poor, Native Born vs. Immigrant, Mother vs. Mother: The History of Wet Nursing in the

204. **Wolf JH.** Using Risk to Exert Power: Obstetricians, Cesareans, and Consent. European Society for the History of Science annual meeting; 2016 September 24; Prague Czech Republic.


206. **Young JA, Stevens A, Kopchick JJ.** Intestinal Fibrosis in Response to GH. 8th International congress of the GRS and IGF Society; 2016 November; Tel Aviv Israel.
APPENDIX F: FY2017 Heritage College Other Research-Related Service Activities, Honors and Awards

**Study Sections:**

**Benencia, Fabian**
- NIH, Study Section: 2017/05 ZRG1 EMNR-F02-Integrative Nutrition and Molecular Endocrinology Special Emphasis Panel, Teleconference, March 29, 2017, Scientist Reviewer.

**Consitt, Leslie**
- Study Section, Center for Scientific Review, NIH, February, 2017

**McCall, Kelly**

**Nunemaker, Craig**
- R13 Conference Grant Applications (ZDK1 GRB-7 (M1) 1), September 22, 2016.
- R13 Conference Grant Applications (ZDK1 GRB-7 (M1) 1), February 23, 2017.

**Puri, Vishwajeet**
- Ad-Hoc reviewer AHA Lipid BSL1 April 2017 (Study section on April 13th 2017)
- Reviewer AHA Lipid BSL1 Oct 2016 (Study section on Oct 18 2016)

**Other Grant Review Activity:**

**Benencia, Fabian**
- DOD, Scientist Reviewer, Breast Cancer Research Program, Washington, DC, August, 2017
- DOD, Scientist Reviewer, Breast Cancer Research Program, Washington, DC, February, 2017 (in addition to serving as a panelist member, served as an Ad-hoc Panelist Chair for 1 application)
- Swiss National Science Foundation, Grant reviewer, Online, 2017

**Berryman, Darlene**
- Grant Reviewer, Pilot Feasibility Application, UAB Nutrition and Obesity Research Center (NORC), 2017
- Grant Reviewer, Research and Development Excellence Program, University of Kentucky, 2017
- Grant Reviewer, Individual Research Grants, The Israel Science Foundation, 2017

**Chen, Xiaozhou**
- Grant Review - Swiss Cancer League, 2014-2016

**McCall, Kelly**
- Grant Reviewer for the Croatian Science Foundation (equivalent to the NSF in the US) in December 2016.

**Murphy, Erin**
- Member: American Heart Association Grant Review Panel. April 2017

**Puri, Vishwajeet**
- Ad-Hoc reviewer NIH/NIDDK, Special Emphasis Panel/Scientific Review Group 2017/10 ZDK1 GRB-S (O2) R NIDDK; May 23-24 2017
- Ad Hoc Reviewer NIDDK IPOD Oct 18-19
- Reviewer - Michigan Diabetes Research Center (MDRC) Pilot Feasibility Study Grant Program 2016
- Wellcome Trust Ad Hoc Reviewer (Nov 2016)

**Stevens, Nancy**
- NSF Postdoc Panel Member grant review
- National Geographic CRE grant review
• LSB Leakey Foundation grant review

**Williams, Susan**

• The Leverhulme Trust, UK; National Science Foundation (grant panel and ad hoc reviews)

**Editorial Boards:**

**Berryman, Darlene**

• Editorial Review Board, Growth Hormone & IGF Research, 2017-Present
• Editorial Review Board, Endocrinology, 2015-Present

**Chen, Xiaozhou**

• Associate Editor – World Journal of Translational Medicine

**Clark, Brian**

• Guest Editor, Neural Plasticity, special issue on ‘Understanding Neuromuscular System Plasticity to Improve Motor Function in Health, Disease, and Injury,’ 2016

**Duan, Wei-Ming**

• Cell Transplantation (4/2011-Present)
• Experimental Neurology (11/2009-Present)
• Journal of Neurorestoratology (4/2009-Present)

**Inman, Sharon**

• The Scientific World Journal
• Journal of Biomedical Sciences
• Journal of Diabetes Medication & Care
• MOJ Anatomy & Physiology
• Section Editor for Diabetes and Metabolism on the Editorial Board of “Scholars Report ”

**Kopchick, John**

• Animal Science Papers and Reports, Polish Academy of Sciences Institute of Genetics and Animal Breeding, Jastrzebiec, Poland (1999-Present)
• Endokrynologia Polska (2005 – Present)
• Pituitary (2010 – Present)
• Growth Hormone and IGF Research (2003 - Present)

**McCall, Kelly**

• Editorial Board Member of the Journal of the Pancreas (3/20/14-Present)
• Editorial board member for Integrity and Ethics (5/2014 – Present)
• Editorial board member for the Journal of Antivirals & Antiretrovirals (8/4/2010 – Present)
• Editor for Journal of the Pancreas (3/20/14 - Present)

**Nowak, Felicia**

• Editorial Board, Journal of Diabetes Mellitus; Ad Hoc Reviewer for One NIH SBIR

**Nunemaker, Craig**

• Journal of Diabetes Research (formerly Experimental Diabetes Research) 2015-Present
• Biological Procedures Online 2012-Present
• World Journal of Diabetes 2011-Present

**Skinner, Daniel**

• Associate Editor of the Americas, Critical Public Health (Since 2015)

**Wolf, Jacqueline H.**

• Member of Journal of Human Lactation editorial board
• Guest editor for Journal of the History of Medicine and Allied Sciences, special issue on 20th Century Childbirth

**Other Research-Related Activities:**

**Benencia, Fabian**

• National Science Foundation Graduate Research Fellowship Program, January, 2017
• National Defense Science and Engineering Graduate Fellowship Program, January, 2017

**Beverly, Elizabeth A.**
• Review Panel Member, Journal of Psychosocial Nursing and Mental Health Services, 2007-present
• Review Board Member, Teaching and Learning in Medicine, 2013-present
• Abstract Reviewer, Society of Behavioral Medicine, Diabetes Special Interest Group, 2016
• Abstract Reviewer, American Diabetes Association, 2017
• Chair of the Diabetes Special Interest Group, Society of Behavioral Medicine, 2017-2018

Chrisman-Khawam, Leanne
• Peer Reviewer, Family Medicine Education Consortium, 2016-2017

Clark, Brian
• Expert Reviewer for Evidence Based Practice Guidelines
• Treatments for Low Back Pain, Agency for Healthcare Research and Quality, 2016
• Ad Hoc Member, Skeletal Muscle and Exercise Physiology Study Section, NIH, 2017
• Ad Hoc, University of Florida Claude D. Pepper Older Americans Independence Center Scholars Program Reviewer, 2017
• Standing Member, Motor Function and Speech Rehabilitation Study Section, NIH, 2014-2020
• Ad Hoc, NCCIH Training and Education Review Panel, NIH, 2017

Coschigano, Karen
• Invited member of the American Association of University Women’s American Fellowships Panel (Term: January 1, 2016 to June 30, 2017). January and February, 2017

de Lacalle, Sonsoles
• Member, Program Committee, 50th Winter Conference on Brain Research
• Travel Fellowship Committee, 50th Winter Conference on Brain Research

Franz, Berkeley
• Abstract reviewer for American Public Health Association 2017 Annual Meeting.

Guo, Aili
• Invited Reviewer for Abstracts (of 2017, 2016 and 2015, respectively) Endocrine Society Meeting on Insulin Signaling Session, Endocrine Society, USA

Haile, Zelalem
• Abstract reviewer for the 2017 American Public Health Association Annual Meeting: HIV/AIDS Section

Jensen, Laura
• Reviewer, Works-in-Progress Abstract Submissions, North American Primary Care Research Group (NAPCRG) Annual Meeting

Kopchick, John
• Consulting and Boards of Directors
• Founder and Chairman of Scientific Advisory Board, DiAthegen, Athens, Ohio; (2001 – Present)
• Member of Scientific Advisory Board, Elixir Inc., Cambridge, Mass (2005 – Present)
• Elected to Growth Hormone Research Council (2006 - Present)
• Past President – Growth Hormone Research Society (2014-2016)

Murphy, Erin
• Organizing Scientific Conferences
• Executive Board Member: Ohio Branch American Society for Microbiology
• Executive Board Member: Wind River Conference on Prokaryotic Biology

Nottingham, Kelly
• PCORI Ambassador (2016-Present)
• North American Primary Care Research Group member (2014-Present)
• Communications Committee Member (2015-Present)
• Appalachian Translational Research Network (ATRN) (2015-Present)
• Leadership member (2015-Present)
• Invited Reviewer
• Patient Centered Outcomes Research Translation Center (PCOR-TC) Reviewer  (2017)
• NAPCRG 2017 Annual Conference - Abstract Reviewer (2017)

Porter, William Ruger
• Co-organized and co-chaired (which included reviewing abstracts) with Glenn Tattersall the symposium entitled “New insights into the functional relationship between anatomy and physiology of extinct and extant vertebrates” at the 2016 International Congress of Vertebrate Morphology. June 29- July 3, 2016.

Puri, Vishwajeet
• Session Chair, FASEB Summer Conference on "Lipid Droplets and Metabolic Consequences of the Storage of Neutral Lipids", Snowmass, Colorado, July 24th- 29th, 2016.
• Session Chair, FASEB Summer Conference on "Lipid Droplets and Metabolic Consequences of the Storage of Neutral Lipids", Snowmass, Colorado, July 24th- 29th, 2016.

Skinner, Daniel
• Judge, Ohio Osteopathic Symposium Seventh Annual Osteopathic Poster Exhibition & Competition

Professional Honors and Awards:
Casapulla, Sharon
• Service-Learning Award, Center for Campus and Community Engagement Ohio University, Athens, Ohio, October, 2016

Chrisman-Khawam, Leanne
• Directors Residency Enhancement Award, Case Western Reserve University School of Medicine, Metro Health Family Medicine Residency, Cleveland, OH, June 10, 2017

Clark, Brian
• JO Watson, D.O., Memorial Lecture Award (Osteopathic Heritage Foundation and Ohio Osteopathic Foundation), 2017

Forster, Lisa and Nottingham, Kelly
• Recipient of Award of Distinction, Integrated Campaign, Academy of Interactive and Visual Arts for The Veterans Project [Documentary film] (2017) – Alisa Warren (Lead Designer/Social Medial Manager); Todd Fredricks, DO (Content Producer); Zac Vance (Graphic Designer); Lisa Forster (Communication Specialist), Kelly Nottingham (Administrative Coordinator)

Nowak, Felicia
• Burroughs Wellcome Collaborative Research Travel Award, June 2017-Dec 2018

Stevens, Nancy
• Ohio University Presidential Research Scholar, 2017
• Tech Savvy Keynote Speaker, 2017

Williams, Susan
• Elected Program Officer of the Society for Integrative and Comparative Biology

Witmer, Lawrence
• Served as Chair of Scientific Program Committee (and Past-President of the society) for the 11th International Congress of Vertebrate Morphology, Washington, DC, July, 2016.

Wymbus, Fran
• Excellence in Teaching Award (National Society of Leadership and Success), April 2017
### APPENDIX G: FY2017 Heritage College Technology Transfer

#### Table 1 – Patents Filed

<table>
<thead>
<tr>
<th>Patent Title</th>
<th>Inventors</th>
<th>Patent Status</th>
<th>Internal Id</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidazole and Thiazole Compositions for Modifying Biological Signaling</td>
<td>Douglas Goetz, Stephen Bergmeier, Frank Schwartz, Kelly McCall, Mark McMills, Crina Orac</td>
<td>Published</td>
<td>14001-US</td>
</tr>
<tr>
<td>Methods and Compositions to Modify Gsk-3 Activity</td>
<td>Douglas Goetz, Stephen Bergmeier, Frank Schwartz, Kelly McCall, Sudhir Deosarkar, Pooja Bhatt</td>
<td>Published</td>
<td>14006-US</td>
</tr>
<tr>
<td>Prevention and Treatment of Non-Alcoholic Fatty Liver Disease</td>
<td>Douglas Goetz, Frank Schwartz, Kelly McCall</td>
<td>Published</td>
<td>14025-US</td>
</tr>
<tr>
<td>Devices and Methods for Classifying Diabetic and Macular Degeneration</td>
<td>Frank Schwartz, Mehmet Celenk, H. Bryan Riley, Nikita Gurudath</td>
<td>Published</td>
<td>15015-PCT</td>
</tr>
<tr>
<td>Methods for Regulating Free Fatty Acid Flux using Fat Specific Protein 27 (FSP27) Compositions</td>
<td>John Kopchick, Vishwajeet Puri, Vishva Sharma</td>
<td>Filed</td>
<td>17021-PROV</td>
</tr>
<tr>
<td>Imidazole and Thiazole Compositions for Modifying Biological Signaling</td>
<td>Douglas Goetz, Stephen Bergmeier, Frank Schwartz, Kelly McCall, Mark McMills, Crina Orac</td>
<td>Filed</td>
<td>14001-EP</td>
</tr>
<tr>
<td>Method of Treating Cancer and Method of Sensitizing Cancer Cells to the Action of Chemotherapeutic Ages via Growth Hormone Receptor Antagonists or Knock Down</td>
<td>John Kopchick, Shiyong Wu, Reetobrata Basu</td>
<td>Filed</td>
<td>17005-PROV</td>
</tr>
<tr>
<td>Quantification of Intervertebral Displacement with an MRI-Based Modeling Technique</td>
<td>Brian Clark, Niladri Mahato</td>
<td>Expired</td>
<td>16028-PROV</td>
</tr>
</tbody>
</table>
### Table 2 – Invention Disclosures

<table>
<thead>
<tr>
<th>Tech Id</th>
<th>Title</th>
<th>Lead Inventor</th>
</tr>
</thead>
<tbody>
<tr>
<td>17029</td>
<td>Networked dispensing device for prevention and control of prescription drug abuse</td>
<td>Vishwajeet Puri</td>
</tr>
<tr>
<td>17016</td>
<td>Networked dispensing device for prevention and control of prescription drug abuse</td>
<td>Vishwajeet Puri</td>
</tr>
<tr>
<td>17020</td>
<td>Inhibition of GH action by use of GH receptor antagonists such as Pegvisomant or other means as therapeutics for insulin resistance, type 2 diabetes, cardiovascular disease and cancer in African American population</td>
<td>Vishva Sharma</td>
</tr>
<tr>
<td>17021</td>
<td>Use of recombinant FSP27 (CIDEC) to regulate free fatty acid flux to protech human adipose tissue from developing insulin resistance and subsequent metabolic diseases, and for other disorders.</td>
<td>Vishwajeet Puri</td>
</tr>
<tr>
<td>17013</td>
<td>DOSES: Diabetes Outreach, Support and Education for Students in College</td>
<td>Elizabeth Beverly</td>
</tr>
<tr>
<td>17030</td>
<td>A means for supporting and passively rotating the distal end of the radius bone around the long axis of the ulna bone in humans</td>
<td>Lyn Bowman</td>
</tr>
</tbody>
</table>
APPENDIX H: FY2017 Heritage College Student Trainee and Post-Doctoral Trainee Information

**Benencia, Fabian**
- Manindra Singh, Molecular and Cellular Biology Program, PhD student

**Berryman, Darlene**
- Caitlin Parker, Food and Nutrition, Applied Health Sciences and Wellness, Thesis – TBD, Expected Graduation Date: May 2018
- Katie Denison, Food and Nutrition, Applied Health Sciences and Wellness, Thesis- “A Day in the Life”: A Complimentary Diabetes Education Curriculum, Expected Graduation Date: Summer 2017
- Ashley Kennedy, Applied Health Sciences and Wellness Honors Program, Thesis – TBD, Graduation Date: May 2017 (and PACE funding)
- Elizabeth Jensen, Translational Biomedical Sciences, Dissertation-TBD, Expected Graduation Date: May 2019
- Emily Hargrove, Food and Nutrition, Applied Health Sciences and Wellness, Thesis- “Nutrition Knowledge and Attitude towards Nutrition Counseling Among Osteopathic Medical Students”, Graduation Date: August 2016
- Claire Phillips, Food and Nutrition, Applied Health Sciences and Wellness, Thesis – “Comparing Body Image, Anthropometrics, and Weight Behaviors in Adolescents from Rural and Urban Communities in Ecuador”, Expected Graduation Date: Summer 2017
- Katie Troike, Food and Nutrition, Applied Health Sciences and Wellness, Thesis – “White Adipose Tissue Beiging in Mice with Altered Levels of Growth Hormone Action”, Graduation Date: August 2017
  - Troike KM, Henry BE, Gase GC, Young JA, List EO, Kopchick JJ, Berryman DE Quantification of UCP1 and oxygen consumption rate in adipose tissue depots of bGH mice Growth Hormone IGF Res. 30 (Supplement 1, November 2016): 81 (Given in format of oral poster discussion)
  - Berryman DE, Householder LA, Comisford R, Troike K, Wilson C, Henry BE, List EO, Kopchick JJ. Increasing fibrosis: a novel means by which growth hormone may limit white adipose tissue (WAT) expansion. 30 (Supplement 1, November 2016): 47 (Given in format of oral poster discussion)
  - Outstanding Food and Nutrition Graduate Student
- Brooke Henry, Food and Nutrition, Identification and Analysis of Immune Cell Populations in White Adipose Tissue Depots of Growth Hormone Receptor Knockout and Littermate Control Mice, Graduation Date: Dec 2016
  - Troike KM, Henry BE, Gase GC, Young JA, List EO, Kopchick JJ, Berryman DE Quantification of UCP1 and oxygen consumption rate in adipose tissue depots of bGH mice Growth Hormone IGF Res. 30 (Supplement 1, November 2016): 81 (Given in format of oral poster discussion)
  - Berryman DE, Householder LA, Comisford R, Troike K, Wilson C, Henry BE, List EO, Kopchick JJ. Increasing fibrosis: a novel means by which growth hormone may limit white adipose tissue (WAT) expansion. 30 (Supplement 1, November 2016): 47 (Given in format of oral poster discussion)
  - Henry BE, Benencia F, Comisford R, List EO, Kopchick JJ, Berryman DE. Identification and analysis of immune cell populations in white adipose tissue depots of growth hormone receptor knockout mice. Growth Hormone IGF Res. 30 (Supplement 1, November 2016): 60
  - Brooks NE, Hjortebjerg, Henry BE, List EO, Kopchick JJ, Berryman DE. Fibroblast growth factor 21, fibroblast growth factor receptor 1 and β-Klotho expression in bovine GH transgenic and GH receptor knockout mice. Growth Hormone IGF Res. 30 (Supplement 1, November 2016): 48

- Maya Sattler, HTC – Chemistry, PACE
- Delaney Geitgey, HTC- Biological Sciences, DI funded and PACE
- Mark Loudner, Biological Sciences, AMVETS funded
- Cody Wilson, Biological Sciences, AMVETS funded
  o Buchman M, List EO, Berryman DE, Wilson C, Kopchick JJ. Analysis of collagen content of various tissues in insulin resistant bovine GH transgenic mice. Growth Hormone IGF Res. 30 (Supplement 1, November 2016): 190
- Josh Bushken, Applied Health Sciences and Wellness, DI funding
- Zhongyao Li, Applied Health Sciences and Wellness, PACE
  o Outstanding Food and Nutrition Undergraduate Student
- Grant Gase, 1st year OUHCOM student, DI funding

**Berryman, Mark**
- Cheyanne Krivesti, Freshman, A&S, FWS, Research Assistant
- Cassidy Beams, Junior, A&S, PACE, Research Assistant
- Salvador Gomez, Sophomore/Junior, A&S, PACE, Research Assistant
- Kristen King, Sophomore/Junior, A&S, PACE, Research Assistant
- Yushin Jeng, Athens High School Junior & OU Student, HTC Summer Research Scholarship, Research Assistant
  o Jeng, Y., S. Tanda, and M. Berryman. Investigating the effects of deafness-associated genes on the localization of NHERF2 adaptor protein in mechanosensory stereocilia.
  o Poster presentation at OU Student Research EXPO, April 6, 2017
    ▪ Second Place in Biomedical Sciences category for the Research EXPO.
  o CHSP/HCOM Student Research and Creative Activity Showcase, April 13, 2017

**Beverly, Elizabeth A.**
- Emily Hargrove, Nutrition Master’s Thesis, College of Health Sciences and Professions
  o Hargrove EJ, Berryman DE, Yoder JM, Beverly EA. Assessment of Nutrition Knowledge and Attitudes in Pre-Clinical Osteopathic Medical Students. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
- Amanda Culley, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Alexandra Farrar, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Hannah Johnson, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Claire Phillips, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Kaitlin Denison, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Samantha Buls, Nutrition Master’s Thesis, College of Health Sciences and Professions
- Moegi Yamaguchia, Athletic Training Master’s Project, College of Health Sciences and Professions
- Lauren Volpe, Education Doctoral Thesis, Patton College of Education
- Kaylee Soellner, Diabetes Certificate Independent Study Advisor, College of Nursing
- Paige Klatt, Diabetes Certificate Independent Study Advisor, Patton College of Education
- Nicole Joyner-Powell, OMS-IV, Research Rotation Advisor, Ohio University Heritage College of Osteopathic Medicine
  o Powell-Joyner N, Beverly EA. Pre-Clinical Osteopathic Medical Students’ Knowledge and Beliefs about Breastfeeding. Poster presentation, American Academy of Family Physicians Family
Centered Maternity Care Conference. Madison, WI, August 10-13, 2016.

- Elizabeth Schindler, OMS-IV, Research Rotation Advisor, Ohio University Heritage College of Osteopathic Medicine
- Chelsea Shepherd, OMS-IV, Research Mentor, Ohio University Heritage College of Osteopathic Medicine
- Crystal Piras, OMS-IV, Research Mentor, Ohio University Heritage College of Osteopathic Medicine
- Ashley Bonamer, OMS-IV, Research Mentor, Ohio University Heritage College of Osteopathic Medicine
- Samantha Long, OMS-II, Research Mentor, Ohio University Heritage College of Osteopathic Medicine
- Gurneet Raina, OMS-II, Research Mentor, Ohio University Heritage College of Osteopathic Medicine
- Caitlin Finelli, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine, CORE Research Grant
  - Finelli CC, Graham D, Beverly EA. Identifying Students’ Perceived Challenges to Medical School May Foster a More Supportive Learning Environment. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
- Kayla Prokopakis, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine, CORE Research Grant
  - Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  - Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  - 1st Place, Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.
  - 2nd Place, Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.
- Nedyalko Ivanov, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine, CORE Research Grant
  - Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  - Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  - 1st Place, Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.
  - 2nd Place, Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year
Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.

• Melanie Worley, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine, CORE Research Grant
  o Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  o Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  o 1st Place, Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.
  o 2nd Place, Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.

• Autumn Court, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine, CORE Research Grant
  o Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  o Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, 2017 Ohio Osteopathic Symposium, Columbus, OH, April 19-23.
  o 1st Place, Prokopakis KE, Ivanov NN, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Experiences Prior To Entering Medical School. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.
  o 2nd Place, Ivanov NN, Prokopakis KE, Court AB, Worley MF, Beverly EA. Assessment of First Year Osteopathic Medical Students’ Knowledge, Attitudes, and Skin Protective Behaviors. Poster presentation, College of Health Sciences and Professions (CHSP) and Heritage College of Osteopathic Medicine (HCOM) Student Research and Creative Activity Showcase, Athens, OH, April 14.

• Suma Kolla, OMS-III, Research Mentor, Ohio University Heritage College of Osteopathic Medicine

Chen, Xiaozhuo

• Xuan Wang, 6th Year PhD Student, Biological Sciences and MCB, Lab Manager
  o ARCC Second Place Prize for Poster Presentation
  o Two First Prizes for Student Expo 2017 Poster Presentation; April 6, 2017

• Yanyang Cao, 4th Year PhD Student, Biological Sciences and MCB, Future Lab Manager
  o Kopchick Award Recipient

• Pratik Shriwas, 3rd Year PhD Student, Biological Science and MCB
  o Graduate Student Senate Research Award Recipient
  o Second Prize for Student Expo 2017 Poster

• Haiyun Zhang, 2nd Year PhD student, Biological Science and MCB
• David Cottrill, 2nd Year PhD student, Biological Science and MCB
• Emily Trzeciak, 2nd Year HTC student
  o Recipient of Germany RISE Award; Tutoree student
  o First and Third Place Prizes for Student Expo 2017 Poster Presentation, April 6, 2017
• Maria Evers, First Year HTC Student, Trainee in the Lab.

Clark, Brian
• Niladri Mahato (Completed PhD in August 2016 and Stayed On for Short Term Post Doc)
  o Presented at the Radiological Society of America meeting

Consitt, Leslie
• Alison Saneda, Undergrad, Biological Sciences – Finished 2 Years Working as an Undergrad in Lab. Completed the Research Component of the Diabetes Certificate in Consitt Lab.
  o Received Funding through Consitt R15 Grant, PACE, and Honors Tutorial Fellowship.
• Dominic Maschari, Undergrad, College of Health Sciences and Professions – Graduated Spring 2017
  o Received Funding through PACE
  o Presented at the 2017 Ohio University Science Fair and 2017 CHSP-Heritage College Health Sciences Student Research and Creative Showcase (2nd Place Prize in Undergraduate, Basic Science Category)
• Erin Walsh, Undergrad, Biological Sciences – Completed First Year Working in Consitt Lab this Spring
  o Received Funding through PACE
  o Presented at the 2017 Ohio University Science Fair and CHSP-Heritage College Health Sciences Student Research and Creative Showcase

Coschigano, Karen
• Debra Walter, CAS/OU, Osteopathic Heritage Foundation Graduate Fellowship, doctoral student
  o Poster Presentation, Appalachian Regional Cell Conference, Charleston, WV, October 2016
  o Poster Presentation, American Society of Nephrology’s 2016 Annual Meeting, Chicago, November 2016
  o Poster Presentation, Endocrine Society Annual Meeting, Orlando, FL, April 2017
  o Poster Presentations/First and Second Place Awards, OU Student Research and Creative Activities EXPO, Athens, OH, April 2017
• Avery Bogart, HTC/OU, Undergraduate Research Apprenticeship Program, Undergraduate Researcher
  o Poster Presentation/First Place Award, OU Student Research and Creative Activities EXPO, Athens, OH, April 2017
• Erin Webb, CAS/OU, PACE, Undergraduate Research Assistant
• Amy Mehlman, CAS/OU, PACE, Undergraduate Research Assistant
• Rosemary Oaks, HTC/OU, PURF and HTC, Senior Thesis
  o Provost’s Undergraduate Research Fund Award, Ohio University, Athens, OH, November 2016
  o Poster Presentation/Second Place Award, OU Student Research and Creative Activities EXPO, Athens, OH, April 2017
• Amber McDermott, HCOM/OU, RSAF, Student Research Fellow
  o CORE Resident/Student Clinical Research Seed Funding Grant Program, OU-HCOM, 2016
  o Poster Presentation, HCOM-CHSP Student Research and Creative Activities Show Case, Athens, OH, April 2017
  o Poster Presentation/Second Place Award, 2017 Regional Osteopathic Poster Exhibition During the Ohio Osteopathic Symposium in Columbus, April 2017

de Lacalle, Sonsoles
• Dallin Tavoian, 2nd year Graduate Student in TBS; Heritage Fellow
- Sophia Mort, 1st Year Graduate Student in TBS; DO/PhD Fellowship
- Mary Gemmel, Graduate Student in Neuroscience, Biological Sciences
  - 2016 Graduate Associate Outstanding Teaching Award; Donald Clippinger Graduate Fellowship Award
- Neena McIlwaine, Senior, Biological Sciences; Kopchick Award
  - Kopchick Award; Expo Poster Presentation
- Julie Slybie, Sophomore, HTC
  - Expo Poster Presentation; SNURF Award
- Haley Appelmann, Sophomore, HTC
  - SNURF Award
- Dakota Brockway, Junior, Biological Sciences
  - EXPO Poster Presentation
- Nathanial Bulle, Junior, Biological Sciences

**Drozek, David**
- Katrina Hamilton, Experimental Psychology, Abstracts, Papers in Progress, Research in Progress
- Mahboubeh S. Noori, Biomedical Engineering, Abstract, Research in Progress
- Kira Slepchenko, In Discussion
- Sarah Bodle, Biomedical Engineering, Thesis Committee, Clinical Consulting for Her Project
- Charles Ebersbacher, Abstract at a National Conference, Current Research
- Ying Zhu, Diabetes Certificate Independent Study and Current Research
- Andrew Young, Paper Published
- Patrick Finnigan, Current Research Support
- Chance Benner, Currently Writing Paper
- Dhatri Kotekal, Abstract At National Conference, Paper in Review
- Melanie Worley, Abstract at National Conference, Paper in Review
- Ashten Gibson, Abstract at National Conference, Co-Authored Paper Accepted, Currently Writing Paper
- Rachel Booth, Abstract at National Conference, Co-Authored Paper Accepted
- Brittany Carter, Abstract at National Conference, Co-Authored Paper Accepted
- Matthew Johnson, Abstract at National Conference, Co-Authored Paper Accepted
- Kelsea Killin, Abstract at National Conference, Co-Authored Paper Accepted, Currently Writing Paper
- David Laubli, Abstract at National Conference, Co-Authored Paper Accepted
- Tyler Sauerbeck, Co-Authored Paper Accepted
- Alexandria Speakman, Co-Authored Paper Accepted
- Michaella Thomas, Abstract at National Conference, Co-Authored Paper Accepted, Currently Writing Paper
- Lauren Choban, Current Research
- Alexandria Defabio, Current Research
- Drew Makowski, Rsaf, Current Research
- Alyssa Greenwell, Current Research, Albert Schweitzer Fellow
- Amy Buck, Current Research, Albert Schweitzer Fellow
- James Hubert, Current Research
- Snow Adler, Current Research
- Kristen Ruckstuhl, Considering Research Projects
- Michelle Naproano, Current Research
- Paul Jimenez Stuart, Current Research
- Krista Dona, Current Research
- Shachi Shah, Current Research
- Christopher Sosnofsky, Rsaf, Current Research
- Angelina Trovato, Current Research
- Alexander Kaple, Considering Research
• Siddhi Upadhyaya, Current Research
• Katelyn Tondo-Steele, Developed Irb Protocol
• Joana Dimo, Corked on Research Implementation
• Matthew Friend, Worked on Research Implementation
• Cassady Remy, Abstract, Paper Published
• Paige Henry, Research Support
• Corinne Barnhart, Current Research
• Samantha Harris, Research Support
• Nicholas Whitticar, Contributed to Abstract/Paper
• Grace Schaffner, Research Support
• Brittany Taylor, Research Support
• Jessica Peplin, Participated in Research
• Christopher Soehnien, Research Support
• Evan S. Streator, Biomedical Engineering, Abstract at a National Conference
• Andrew Bokal, Premed, Observation, In Discussion
• Ana Cosenza, Premed, Research Support in Peru
• Laycie Ball, Current Research
• Brooke Hettler, In Discussion

Residents
• Joseph Vogelgesang, DO
  o Paper Published
• Hemal Patel, DO
  o Paper in Review
• Militza Lozada Montañez, D.O.
  o Abstract at a National Conference (2nd Place Award)
  o Paper Accepted for Publication
• Emily Herfel, D.O., Research Support in Peru
• Erica Bautista, D.O., Research Support in Peru

Franz, Berkeley
• Madeleine Shtrahman (Junior, College of Arts & Sciences, Ohio University), PACE award, Student Research Assistant on Medical Urbanism Book Project
• Jessica Roth (Senior, College of Arts & Sciences, Ohio University), HTC Research Apprentice, Student Research Assistant on Medical Urbanism Book Project
• Michael Wright (OMS-II), RSAF, Summer 2017, Student Research Assistant on Medical Urbanism Book Project
• Rachel Kamat (OMS-II), RSAF, Summer 2017, Summer Research Assistant on Medical Urbanism Book Project
• Chantelle Shaw (OMS-III), OU-NCH Summer Research Program, Summer 2016. Summer Research Assistant on Population Health Project in Collaboration with Nationwide Children’s Hospital and the Children’s Hospital Association
• Matthew Taylor (OMS-III), OU-NCH Summer Research Program, Summer 2016. Summer Research Assistant on Population Health Project in Collaboration with Nationwide Children’s Hospital and the Children’s Hospital Association
• David Laubli (OMS-III), RSAF, Summer 2016, Summer Research Assistant on Community-Based Medical Education Project

Graham, Dawn
• Natasha Baah, OMS II, OH-HCOM
• Christina Randolph, OMS II/MPH

Guo, Aili
• PACE Student/Diabetes Certificate Candidate: Dareon Michael Freeman
• Diabetes Fellow Supervision: Immanuel Amissah, MD (2017)
Committee Member for Graduate Candidates:
  - Xia, Lijie-Master Degree Candidate, Computer Engineering Science
  - Zhang, Pin-PhD Degree Candidate, Computer Engineering Science
  - Gaddipati, Asish Kumar-Master Graduate, Computer Engineering Science

Nigel A Daniels, PhD, 2016 Academic Year; 0.5 FTE in Dr. Sonia Najjar Lab.
  - Poster presentation at the American Association of Clinical Endocrinology (AACE) Annual Meeting (219-PO), Austin, TX, May 9th, 2017 (Student names: NA Daniels, SJ Shaw, K Corbin, AN Mehlman, D Walter, M Freeman)

Heinrich, Garrett
  - Kyra Stepney (OMS-II, HCOM), Summer Research 2017
  - Poster presentation at the following:
    - Appalachian Regional Cell Conference (oral presentation), Charleston, WV, October 2016
    - MCB Retreat; Athens OH, November 2016
    - Student EXPO; Athens, OH, April 2017
    - Barnstable Brown Diabetes Day, University of Kentucky, Lexington, May 18, 2017
    - Two moderated poster discussions, American Diabetes Association Meeting, San Diego, CA, June, 2017
  - Awards received at Student EXPO (1st) and Barnstable Brown for Outstanding Poster (2nd).

Inman, Sharon
  - Sonja Porter, OMSIII, Lab Assistant
  - Joshua Lipscomb – Junior, Lab Assistant

Kerr, Anna
  - Bradley Palocko, OMS-1, RSAF (Co-Mentor with Tracy Shaub, DO), Data Collection & Analysis
  - Ulyana Kachmar, OMS-1, RSAF (Co-Mentor with Tracy Shaub, DO), Data Collection & Analysis

Kopchick, John
  - Reeto Basu, 2014 - 2016
  - Jonathan Young, 2012 – Present
  - Alison Brittain, 2013 – Present
  - Kevin Funk, 2014 – Present
  - Silvana Duran, 2014 - Present
  - Liang Wu, 2015 – Present
  - Ocema Karam, 2016 - Present
  - Colin Kruse, 2017 – Present
  - Manindra Singh, 2017
  - Qian Cheng, 2017
  - Mat Buchman, 2013 – Present (PACE)
  - Stephen Bell, 2015 – Present (Amvets)
  - Austin Stevens, 2015 – Present (PACE)
  - Ashley Kennedy (Jr), 2015 – Present (PACE)
  - Patrick Ruz, 2015-Present (Amvets)
  - Nick Madama-Baumgaertel, 2016-Present (PACE)
  - Samuel Mathes, 2016-Present (Amvets)
  - Gabrielle Tharp, 2016-Present (HTCF Summer Intern)
  - Joshua Bailey, 2016-Present (PACE)
  - Savannah McKenna, 2016-Present (PACE)
  - Nathan Arnett, 2015-Present (Amvets)
  - Mark Loudner, 2016-Present (Amvets)
  - Yanrong Qian, 2014 – Present
  - Reeto Basu, 2016-Present

Lee, Kevin
  - Quyen Luong (Graduate Student DO/PhD)
    - Presented at the following:
      - Appalachian Regional Cell Conference (oral presentation), Charleston, WV, October 2016
      - MCB Retreat; Athens OH, November 2016
      - Student EXPO; Athens, OH, April 2017
      - Barnstable Brown Diabetes Day, University of Kentucky, Lexington, May 18, 2017
      - Two moderated poster discussions, American Diabetes Association Meeting, San Diego, CA, June, 2017
    - Awards received at Student EXPO (1st) and Barnstable Brown for Outstanding Poster (2nd).
• Mitchell Harberson (Junior, Biological Sciences/Ohio University), RSAF, Research Assistant
  o Presented at Student EXPO; Athens, OH, April 2017
• Lauren Guest (Junior, Biological Sciences/Ohio University), SURF, Research Assistant
• Makayla Lancaster (Junior, Biological Sciences/Ohio University), PACE, Research Assistant
• Brian Harper (Junior, Biological Sciences/Ohio University), Work Study, Research Assistant MCB

Lo, Chunmin
• Brittany Cordova, SURF program, Ohio University
• Sydney Pence, HTC/Department of Biology, Ohio University
• Erin Binne, Department of Biological Sciences, Ohio University
• Natalie Coschigano, Department of Neuroscience, The College of Wooster
• Jonathan Weng, Department of Biology, Cornell University
• Zhijun Shen, October 2015- Present

Malgor, Ramiro
• Ian Ackers, D.O./PhD student
  o Academic achievement: - Milestone 2 for PhD program, completed May 3, 2017
  o Poster Presentations
    ▪ Pathobiology for Investigators, students and academicians PISA 2016 Trainee travel award recipient. Wnt5a Influences Scavenger Receptor Expression and the Accumulation of Lipid in THP-1 Macrophages Poster #A1
    ▪ TBS Retreat 2017 “Wnt5a increases expression of scavenger receptor CD36 (SR-B2) and accumulation of lipid in THP-1 macrophages.”
    ▪ American Heart Association meeting Anaheim, CA, November 11-13, 2017 Title: Atherogenic Lipids Activate Planar Cell Polarity Wnt Signaling in THP-1 Macrophages
  o Fellowship Proposal
    ▪ NIH/ F30 1F30HL134282-01 Title “Modulation of Wnt5a signaling: a potential therapeutic target to mitigate inflammation and intimal accumulation of lipid in atherosclerosis”. Sponsor R. Malgor Application date 12-08-2016
    ▪ AHA / AWRP Winter 2017 Clinical Health Profession Student Training Program 17CPRE33670584 Title “Development of Targeted Nanoparticles for Treatment for Atherosclerotic Heart Disease” Sponsor R. Malgor, Application date 02-09-2017

McCall, Kelly
• Ashley Patton, DO/PhD Student, HCOM & MCB Program/College of Arts & Sciences, 2016 Endocrine Society Research Fellowship Award, Origins and Frontiers in Hepatobiliary and Gastrointestinal Physiology Course, September 9-16, 2016 at MDI Biological Laboratories. Ashley’s role in the lab is that she is in charge of the NAFLD project.
  o Poster presentation entitled, “A Novel Small Molecule Inhibitor of Inflammation Prevents Hepatic Steatosis in High Fat Diet-Fed Male C57BL/6J Mice”. Patton, A; Wilson, C; Goetz, D; Bergmeier, S; Ramiro, M; McCall, K; Schwartz, F. Endocrine Society Mentor Reception and Poster Presentation, Orlando, FL, April 1-4, 2017
  o Poster presentation entitled, “Small Molecule Inhibitors of Inflammation Prevent Hepatic Steatosis in High Fat Diet-Fed Male C57BL/6J Mice”. Patton, A; Wilson, C; Goetz, D; Bergmeier, S; Ramiro, M; McCall, K; Schwartz, F. Endocrine Society Annual Meeting, Orlando, FL, April 1-4, 2017.
  o First Place for Medical Student Outstanding Presentation, Endocrine Society Mentoring Reception and Poster Presentation, Endocrine Society Annual Meeting, Orlando, FL, April 1-4, 2017.
  o First Place for Outstanding Presentation, Diabetes Institute, Student Research and Creative Activity Expo, Ohio University, Athens, OH, April 6, 2017.
  o Endocrine Society Fellowship, Summer 2016
• Samantha Shaw, PhD Student, MCB Program/College of Arts & Sciences. Samantha’s role in the lab is that she is in charge of the microbiome analyses of the C57BL6/J mice on a HFD and treated with our novel compounds.
  o Poster presentation entitled, “A Gut Microenvironment Analysis of the Protective Effects of a Novel Inhibitor of Inflammation in a Non-Alcoholic Fatty Liver Disease Mouse Model”. Samantha

• Debra Walter, PhD Candidate, MCB Program/College of Arts & Sciences. Debbie’s role in the lab is that she is in charge of the diabetic nephropathy collaborative project between myself and Karen Coschigano.
  o Outstanding Presentation - First Place for the Diabetes Institute, Student Research and Creative Activity Expo, Ohio University, Athens, OH, April 6, 2017.
  o Outstanding Presentation - Second Place for Session, Student Research and Creative Activity Expo, Ohio University, Athens, OH, April 6, 2017.

• Sarah Benner, PhD Candidate, MCB Program/College of Arts & Sciences, John J. Kopchick Molecular and Cellular Biology/Translational Biomedical Sciences Research Fellowship Award, November 2016 – December 31, 2017, MCB Travel Award (April 2017), Diabetes Institute Travel Award (April 2017). Sarah’s role in the lab is that she is in charge of the NOD mouse project.
  o Recipient of John J. Kopchick Fellowship, “Inflammatory profile in the pancreas of NOD and TLR3 knockout NOD mice before and after Coxsackievirus B4 infection”, (funded $15,000), November 2016 – December 31, 2017

• Caroline Wilson, Undergraduate Honor’s Tutorial Student, Russ College of Engineering and Technology. Caroline has been assisting Ashley Patton on the NAFLD and drug studies

• David Long, DO Student, HCOM. David worked on the NOD mouse and diabetic nephropathy projects.

• Kavya Yellamraju, Undergraduate Student at The Ohio State University. Kavya worked with me in the summer of 2016 on genotyping of the TLR3 NOD knockout mice.

• Divya Yellamraju, Undergraduate Student at The Ohio State University. Divya worked with Samantha to learn about bioinformatics in the summer of 2016.

• Melissa Kaufman, Undergraduate, Ohio University. Melissa assisted Sarah Benner with immunohistochemistry on the NOD mouse project throughout this past year.

• Brennan Uhrig, Undergraduate, Capital University. Brennan has worked on multiple projects in the lab during the summers of 2016 and 2017.

Murphy, Erin

• Megan Fris Ph.D. candidate, BIOS. Has been supported on my NIH grant until now. Investigating the unique roles of near identical sibling small RNAs in controlling virulence of the pathogenic bacterium *Shigella dysenteriae*.
  o Research poster presentation, Ohio Branch American Society for Microbiology, Megan Fris. Otterbein University, April 2017
  o Research poster presentation, 61st Annual Wind River Conference on Prokaryotic Biology, Megan
• Hebaallaha Hussein Visiting scholar from Egypt. Heba is supported by the Egyptian government and is working to identify and characterize RNA thermometers in the pathogenic bacterium *Staphylococcus aureus*.
  o Research poster presentation, Ohio Branch American Society for Microbiology, Hebaallaha Hussein. Otterbein University, April 2017
  o Research poster presentation, Student EXPO, Hebaallaha Hussein. Ohio University. April 2017
  o Research poster presentation, 61st Annual Wind River Conference on Prokaryotic Biology, Hebaallaha Hussein. Estes Park, CO. June 2017

**Nottingham, Kelly**
• Aaron Stover, OMS-I, Summer Student Working on Neonatal Abstinence retrospective review with Amy Zidron, DO, PhD
• Michael Hudock, OMS-1, Summer Student Working on Quality of Life and Patient Satisfaction of patients receiving OMT with Eric Miller, DO and Timothy Law, DO, MBA
• Matthew Ferry, OMS-I, RSAF Student Working with David Eland, DO Focusing on OMT Inpatient Consultation
• Taylor Woodyard, Undergraduate, Summer Student Working on Family Navigation Evaluation Project with Sue Meeks and Anna Kerr, PhD

**Nowak, Felicia**
• Xinhao Liu, PhD Candidate in MCB, Student Enhancement Award, Graduate Student
  o Poster presentation, OU Research and Creative Activity EXPO/ First Place for Outstanding Research Presentation
• Matthew Colpo, HTC Undergrad Arts and Sciences, Summer Neuroscience Undergraduate Research Award, Research Assistant and Honors Thesis Mentee
• Ghadir Sindi, MS, PhD Candidate in A&S, Full scholarship from the Kingdom of Saudi Arabia.

**Nunemaker, Craig**
• Avery Bogart (HTC student) Honors Tutorial Spring, 2016. Planned research project for Fall 2016 related to Diabetes Certificate.
• Sarah E. Morris (June 2016-Aug 2017). Learning to perform insulin ELISAs and cellular imaging to support a project studying growth hormone effects on pancreatic islets. Identified a novel drug involved with stimulating insulin secretion.
• Emily Kunkler (Summer 2016). HTC summer student program. 5-week research experience. Studying the role of growth hormone & free fatty acids on islets function.
• Nicholas Whitticar (June 2016-June 2017). FWS student. Evaluating an automated perfusion system for producing forced metabolic oscillations in pancreatic islets.
• Elisha Strahler (Summer, 2016) FWS student. Evaluating an automated perfusion system for producing forced metabolic oscillations in pancreatic islets.
• Cara Schildmeyer (Spring 2017-present). HTC student learning lab techniques.
• Hannah West (Spring 2017-present). HTC student learning lab techniques
• Ishrat Jahan, Feb 2016-Feb 2018

**Okada, Nick**
• Savanna Lyda (Junior, The Warren Wilson College) SURF
• Nicholas Gemma (2nd Year, OUHCOM, Summer Schooler), Lab Tech

**Puri, Vishwajeet**
• Carleen Newberry (Ohio University) -2016
• Gillian Null, Honors Tutorial College, Ohio University (2016 - Present)
• William Koch (Ohio University, DO/PhD) – In Progress
• Subhodip Adhicary (TBS program, PhD) – In Progress
• Edmund Shi (Ohio University, DO Program) – April-July 2017
• Sayani Banerjee, 2014 – Present
• Sukanta Jash, 2014 – Present
• Soumya Laha, 2016 – Present

Roche, Rosellen
• Anthony Brusnahan, OMSII, IDTI Co-PI for Student Project in Ecuador

Rubin, Sarah
• Morgan Craig (OMS-III, OUHCOM), Research and Scholarly Advancement Fellowship, CORE Research Seed Funding, Research Assistant
• Genoveffa Morway (OMS-III, OUHCOM), CORE Research Seed Funding, Research Assistant
• Stayci Martin (OMS-III, OUHCOM), Research Assistant
• Kathryn Clark (OMS-III, OUHCOM), CORE Research Seed Funding Mentor, Research Assistant
• Crystal Pristell (OMS-II, OUHCOM), Research and Scholarly Advancement Fellowship, Research Assistant
• Penina Gross-Richmond (OMS-II, OUHCOM), Research and Scholarly Advancement Fellowship, Research Assistant
• Melissa Michaud (OMS-II, OUHCOM), Ohio University Research Committee Grant (OURC), Research Assistant

Schaub, Tracy
• Brad Palocko, OMS I – RSAF Student

Skinner, Daniel
• Madeleine Shtrahman (Junior, College of Arts & Sciences, Ohio University), PACE Award, Student Research Assistant on Medical Urbanism Book Project
• Jessica Roth (Senior, College of Arts & Sciences, Ohio University), HTC Research Apprentice, Student Research Assistant on Medical Urbanism Book Project
• Chantelle Shaw (OMS-II), RSAF, Summer 2016. Summer Research Project on Health Advisory Boards (RUSP Capstone)
• Keilah Ketron (OMS-II), RSAF, Summer 2016. Summer Research Project on Health Advisory Boards (RUSP Capstone)
• Chantelle Shaw (OMS-II), Nationwide Children’s Hospital Collaborative Research Project on Hospitals and Population Health
• Matt Taylor (OMS-II), Nationwide Children’s Hospital Collaborative Research Project on Hospitals and Population Health
• Danielle Dukes (OMS-I), Community Health Needs Assessments and Primary Care

Stevens, Nancy
• Haley O’Brien (PhD Program, Graduated Summer, 2016)
  o Won the Alfred Sherwood Romer Prize (Society of Vertebrate Paleontology). This is the highest award for someone at her career stage from the Society of Vertebrate Paleontology. Haley competed to participate in the symposium, and then competed with symposium participants for the prize. This is a prestigious award and the first time that a student from Ohio University has been chosen.
• Wren Edwards (PhD Program, Biological Sciences, OU) - Conducts Field and Lab Studies in Experimental Biomechanics And Ecomorphology
• Michael McTernan (MSES&HTC, OU) - Conducts Field Research on Multi-Use Landscapes in Biodiversity Hotspots in Central Uganda
• Eileen Wyza (MSES, OU) - Conducts Field Research on Mammalian Spatial Dynamics in Biodiversity Hotspots in Madagascar. She finished her MS in Environmental Studies in 5/17 and begins the PhD program in BIOS this fall.
• Karie Whitman (MSES, OU) - Conducts Field Research on Ecosystem Health in Biodiversity Hotspots in Eastern Madagascar. She finished her MSES in 5/17 and begins a project coordinator position this summer.
• Daniel Kinsuna Mwania (MSES, OU) - Working on Invasive Species and Environmental Change in Eastern Uganda.
Africa. He finished his MS in Environmental Studies in 5/17 and is beginning an advanced environmental training program this summer.

- Rosa Negash (BS Biology, PACE, OU) - Morphology Research, Specimen-Based Research Assistant (AHS Volunteer Before OU)
- Sidney Travis (BS Anthropology, PACE, OU) - Morphology Research Assistant
- Kevin Brock (BS Geology, PACE, OU) - Specimen-Based Research Assistant
- Bailey Sanders (BS PreMed Biology, Work Study, OU) - Morphology Research Assistant
- Suzy Aftabizedah (Athens High School Volunteer) - Morphology Research Assistant
- Patrick Fahey (BS Anthropology, OU, NSF Supported) - Graphics Research Assistant
- Megan Sweeney (BS Wildlife Conservation Biology, OU, Volunteer) - Morphology Research Assistant
- Matthew R. Borths, Jan 2017-Jan 2019 (National Science Foundation Postdoc Award)

Truax, Rob
- Genoveffa Morway, OMS2, OU-HCOM, CORE, Secondary Investigator

Williams, Susan
- Charlotte Klimovich, HTC Thesis Student
  - Presentation at the Annual Meeting of the American Society of Mammalogists: “Biting mechanics of rabies vectors: exploring the link between cranial morphology and infectious disease control”
  - Moscow, Idaho, June 23, 2017
  - Student Enhancement Award
  - 1st Price in Division, OU Student Research and Creative Activity Expo
  - Hollings Scholarship: National Oceanic and Atmospheric Administration

- Stephane J. Montuelle, PhD

Witmer, Lawrence
- Donald Cerio, 5th-Year Doctoral Student, OU BIOS/BMS, Graduate Teaching Assistantship for Stipend Plus Multiple Grants (Including Witmer’s NSF) For Research, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- Catherine Early, 4th-Year Doctoral Student. OU BIOS/BMS, NSF Graduate Research Fellowship for Stipend Plus Multiple Grants (including Witmer’s NSF) for Research, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- James Nassif, 2nd-year Doctoral Student, OU BIOS/BMS, Graduate Teaching Assistantship (but Just Received a 3-year NSF Graduate Research Fellowship) for Stipend Plus Witmer’s NSF for Research, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- Emily Caggiano, Sophomore, OU HTC/BIOS, Research Funded by Witmer’s NSF, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- Elizabeth Scott, Junior, OU BIOS, Research Funded by Witmer’s NSF, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- Taylor Knudson, Freshman, OU BIOS, Research Funded by Witmer’s NSF, Researcher and Research Assistant
  - Presented at the OU Student Research & Creative Activity Expo, April, 2017
- Emily Menker, Freshman, OU BIOS, Research Funded by Witmer’s NSF, Researcher and Research Assistant
### APPENDIX I: FY2017 Research and Scholarly Advancement Fellowship Program

**Summer 2016 – (14 faculty mentors/22 students)**

<table>
<thead>
<tr>
<th>Student</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gregory Adams</td>
<td>Elizabeth Beverly, PhD</td>
</tr>
<tr>
<td>Michael Bann</td>
<td>Jen-Tzer Gau, MD, PhD</td>
</tr>
<tr>
<td>Puneet Bhatti</td>
<td>Zelalem Haile, PhD</td>
</tr>
<tr>
<td>Autumn Court</td>
<td>Elizabeth Beverly, PhD</td>
</tr>
<tr>
<td>Morgan Craig</td>
<td>Sarah Rubin, PhD</td>
</tr>
<tr>
<td>Maggie Dade</td>
<td>Jane Broecker, MD</td>
</tr>
<tr>
<td>Shannon Flahive</td>
<td>Zelalem Haile, PhD</td>
</tr>
<tr>
<td>Kwasi Frempong-Boadu</td>
<td>Brian Clark, PhD</td>
</tr>
<tr>
<td>Samuel Friedlander</td>
<td>Timothy Law, DO</td>
</tr>
<tr>
<td>Ashten Gibson</td>
<td>David Drozek, DO</td>
</tr>
<tr>
<td>Zachary Glenn</td>
<td>Sonsoles de Lacalle, MD, PhD</td>
</tr>
<tr>
<td>Nedyalko Ivanov</td>
<td>Elizabeth Beverly, PhD</td>
</tr>
<tr>
<td>William Koch</td>
<td>Vishwajeet Puri, PhD</td>
</tr>
<tr>
<td>David Laubli</td>
<td>Daniel Skinner, PhD</td>
</tr>
<tr>
<td>Colin Marshall</td>
<td>Zelalem Haile, PhD</td>
</tr>
<tr>
<td>Amber McDermott</td>
<td>Karen Coschigano, PhD</td>
</tr>
<tr>
<td>Genoveffa Morway</td>
<td>Robert Truax, DO</td>
</tr>
<tr>
<td>Kayla Prokopakis</td>
<td>Elizabeth Beverly, PhD</td>
</tr>
<tr>
<td>Ali Rizvi</td>
<td>Zelalem Haile, PhD</td>
</tr>
<tr>
<td>Rachel Scarl</td>
<td>Craig Nunemaker, PhD</td>
</tr>
<tr>
<td>Ashley Thomas</td>
<td>Zelalem Haile, PhD</td>
</tr>
<tr>
<td>Melanie Worley</td>
<td>Elizabeth Beverly, PhD</td>
</tr>
</tbody>
</table>
APPENDIX J: FY2017 Integrated Biomedical and Health Systems Science Seminar Series Information

1. **August 31, 2016, 3:00-4:00pm, Irvine 199**: Silvana Obici, MD, Professor, University of Cincinnati College of Medicine, Lecture in 'Seminar in Integrated Biomedical and Health Systems Sciences': "Role of the brain in the regulation of energy balance and glucose metabolism."

2. **September 22, 2016, 3:00-4:00pm, Irvine 199**: Stephen R. Farmer, PhD, Professor, Boston University School of Medicine, Distinguished Lecture in 'Seminar in Integrated Biomedical and Health Systems Sciences': "Browning of White Adipose Tissue in Obesity."

3. **October 5, 2016, 3:00-4:00pm, Athens -Grosvenor 128/ Cleveland -SPS 107/ Dublin- MEB1-415**: Jason K. Kim, PhD, Professor, University of Massachusetts Medical School, Guest Lecture in 'Seminar in Integrated Biomedical and Health Systems Sciences': "Role of Inflammation in Type 2 Diabetes."

4. **October 13, 2016, 3:00-4:00pm, Athens -Irvine 199/ Cleveland -SPS 107/ Dublin- MEB1-415**: Noyan Gokce, MD, Professor, Boston University School of Medicine, Guest Lecture in 'Seminar in Integrated Biomedical and Health Systems Sciences': "Adipose tissue phenotypes and vascular dysfunction in obesity."

5. **January 17, 2017, 3:00-4:00pm, Athens -Grosvenor 113/ Cleveland -SPS 107/ Dublin- MEB1-415**: Angela Horner, PhD, Assistant Professor in Biology, California State University San Bernardino. 'Seminar in Integrated Biomedical and Health Systems Sciences': "Topic TBA"

6. **January 18, 2017, 3:00-4:00pm, Athens -Irvine 199/ Cleveland -SPS 107/ Dublin- MEB1-415**: Dr. Stephen Page, Associate Professor in the School of Health & Rehabilitation Sciences at The Ohio State University. 'Seminar in Integrated Biomedical and Health Systems Sciences': "Topic TBA"

7. **February 24, 2017, 3:00-4:00pm, Athens -Irvine 199/ Cleveland -SPS 107/ Dublin- MEB1-242**: Dr. Zev Rymer, Director of Research Planning at the Rehabilitation Institute of Chicago (RIC). 'Seminar in Integrated Biomedical and Health Systems Sciences': "Topic TBA"

8. **March 22, 2017, 3:00-4:00pm, Athens -Irvine 199/ Cleveland -SPS 107/ Dublin- MEB1-415**: Dr. Nelson Watts, Physician-Scientist with Mercy Health’s Kenwood Endocrinology and Osteoporosis Center in Cincinnati, Ohio. 'Seminar in Integrated Biomedical and Health Systems Sciences': "Topic TBA"

9. **April 12, 2017, 9:00-11:00am, Athens -Grosvenor 113/ Cleveland -SPS 243/ Dublin- MEB1-415**: Dr. Hesham M. Amin, Professor, Department of Hematopathology, Division of Pathology and Laboratory Medicine, The University of Texas MD Anderson Cancer Center and Dr. Ahmed O. Kaseb, Associate Professor and Director, Hepatocellular Carcinoma Program, Editor-in-Chief, Journal of Hepatocellular Carcinoma, Department of Gastrointestinal Medical Oncology, The University of Texas M. D. Anderson Cancer Center. 'Seminar in Integrated Biomedical and Health Systems Sciences': "Topic TBA"

10. **May 8, 2017, 3:00-4:30pm, Athens -Grosvenor 113/ Cleveland -SPS 107/ Dublin- MEB1-415**: Dr. Robert Fajardo, Assistant Professor / Research, University of Texas Health Science Center San Antonio. 'Seminar in Integrated Biomedical and Health Systems Sciences': "Diabetic Skeletal Fragility and the VEGF Pathway and Orthopaedic Health Disparities"
## APPENDIX K: FY2017 Research and Scholarly Awards Committee Membership

<table>
<thead>
<tr>
<th>Voting Members, 2016-2017</th>
<th>Representation</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kelly McCall, PhD, Chair</td>
<td>Clinical</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Term Ends 6/30/18 (A)</td>
</tr>
<tr>
<td>Susan Williams, PhD</td>
<td>Non-Clinical</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Term Ends 6/30/17 (E)</td>
</tr>
<tr>
<td>Tim Law, DO</td>
<td>Clinical</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Term Ends 6/30/17 (E)</td>
</tr>
<tr>
<td>Amy Zidron, DO, PhD</td>
<td>Clinical</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Term Ends 6/30/17 (E)</td>
</tr>
<tr>
<td>Jen-Tzer Gau, MD, PhD</td>
<td>Clinical</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Term Ends 6/30/17 (A)</td>
</tr>
<tr>
<td>Nancy Stevens, PhD</td>
<td>Non-Clinical</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Term Ends 6/30/17 (E)</td>
</tr>
</tbody>
</table>

### Ex-Officio Members (Non-Voting)

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sonia Najjar, PhD</td>
<td>Associate Dean for Research and Innovation</td>
</tr>
<tr>
<td>Jessica Wingett, MA</td>
<td>Executive Director, Office of Research and Grants</td>
</tr>
<tr>
<td>TBD</td>
<td>Biostatistician</td>
</tr>
</tbody>
</table>

### Administrative Support

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kamie Dixon, BSBA</td>
<td>(Temporary Employees)</td>
</tr>
<tr>
<td>Lisa Heinz, MA</td>
<td>Executive Assistant</td>
</tr>
</tbody>
</table>