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## 2015 Annual Report
### Department of Psychology

### Scorecard and quantifiable measures

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Program</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PY = 960; Neuroscience = 180 (Majors &amp; Double Majors)</td>
<td>1,140</td>
<td>1,092</td>
<td>1,027</td>
</tr>
<tr>
<td>PY= 19,591: NBL = 878 CHP</td>
<td>20,469</td>
<td>21,297</td>
<td>23,128</td>
</tr>
<tr>
<td>PY=205; Neuroscience=21 Degrees Awarded</td>
<td>226</td>
<td>182</td>
<td>190</td>
</tr>
<tr>
<td># students in department honors</td>
<td>16</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>PY=243, Neuroscience=180 # students in mentored research</td>
<td>432</td>
<td>307</td>
<td>211</td>
</tr>
<tr>
<td># service learning courses</td>
<td>13</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td># study away courses</td>
<td>4</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Graduate program</strong></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Headcount</td>
<td>76</td>
<td>80</td>
<td>72</td>
</tr>
<tr>
<td>CHP</td>
<td>1692</td>
<td>1741</td>
<td>2088</td>
</tr>
<tr>
<td>Degrees awarded (masters level)</td>
<td>9</td>
<td>11</td>
<td>7</td>
</tr>
<tr>
<td>Degrees awarded (doctoral)</td>
<td>8</td>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td># Full time Faculty</td>
<td>29*</td>
<td>28</td>
<td>30*</td>
</tr>
<tr>
<td># course sections taught by secondary and adjunct faculty and Certified Course Instructors (not students)</td>
<td>64</td>
<td>54</td>
<td>80</td>
</tr>
</tbody>
</table>

*Includes (Schwebel, Sloane & Tucker who are all 5% in PY) & (Biasini, Stoppelbein, Guest & O’Kelley who are all 20% in PY and 80% clinical effort).

### Scholarship/Research/Creative Performance

<table>
<thead>
<tr>
<th></th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td># of juried performances, exhibits, etc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># faculty with juried performances, exhibits, etc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of faculty with juried exhibit or invited performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Published books or monographs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Pubs in peer reviewed journals or equivalent electronic sites</td>
<td>123</td>
<td>98</td>
<td>82</td>
</tr>
<tr>
<td># published or copyrighted musical compositions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Other non-peer reviewed publications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Conference presentations and published abstracts</td>
<td>151</td>
<td>126</td>
<td>131</td>
</tr>
<tr>
<td>% of faculty who published this year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Protocols/Studies Submitted and Approved by IRB</td>
<td>19**</td>
<td>29</td>
<td>27</td>
</tr>
<tr>
<td># faculty on Editorial Boards/grant review panels</td>
<td>20</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Other discipline relevant works (add entries as needed)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Did not publish (Sloane, Tucker, Guest, O’Kelley, Cook, Gampher, Hopkins, Kennedy)

**There are currently 72 active protocols

### Funded Research Activity

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td># Grant applications submitted with department faculty as the PI</td>
<td>93</td>
<td>59</td>
<td>44</td>
</tr>
<tr>
<td>Total dollars requested</td>
<td>$70,088,394</td>
<td>$32,463,018</td>
<td>$18,669,304</td>
</tr>
<tr>
<td># Grant applications funded with department faculty as PI</td>
<td>27</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Total dollars received thus far (some submitted in 2015 still pending)</td>
<td>$5,582,515</td>
<td>$6,418,743</td>
<td>$5,785,302</td>
</tr>
<tr>
<td>Total grant expenditures</td>
<td>$6,007,927</td>
<td>$4,235,536</td>
<td>$3,361,318</td>
</tr>
<tr>
<td># faculty who are PI on grant</td>
<td>13</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td># of faculty w/ salary support from an external grant</td>
<td>20</td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

*Includes faculty on administrative & clinical assignments
Goal Area 1: Undergraduate Education: Psychology

What were the department’s major accomplishments for Undergraduate Education last year?

Online Instruction:
- Our online courses are increasingly popular. In 2015, 3,656 students were enrolled in psychology courses online (10,939 CHP). The department’s online course offerings have provided more flexibility to our undergraduate students and alleviated classroom scheduling issues for our students and instructors. We are currently offering all of the required psychology courses online and are planning to launch a full online program in Fall 2016.
- The Department continues to support instructors teaching online through IT support and the Online Learning Advisory Committee. Course shells are reviewed by the Director of Undergraduate Studies, and feedback is provided, prior to the beginning of each term.
- The Instructional Technology Center (2nd floor of Campbell Hall) allows instructors to teach courses using virtual classroom features, and the space is scheduled to capacity each semester.
- We are active participants in eLPS and UAB Online’s initiatives and have attended workshops on Quality Matters, Go-to-Training/Go-to-Meeting and Canvas. We are members of the eLearning Advisor Council and serve on committees such as the eLAC Quality Curriculum Committee.

Study Away:
- We have continued our success with Study Away programming. Dr. Rajesh Kana led a group of 11 students to Deli, India in May 2015. We awarded student scholarships of $1,000 each for this trip.
- Dr. Diane Tucker led a Study Away to the Netherlands, where they studied Sustainability. She brought 17 students on the trip.

Service Learning:
- All psychology students participate in at least one service learning experience. Our community practicum course, PY 397, continues to add new sites and have substantial student interest. PY 490, our Capstone course, ensures all psychology majors complete some service learning during their time as a UAB psychology major. Students typically are required to complete at least 15 hours of service learning during the semester in which they are enrolled in PY 490. We have successfully placed students at sites such as the Amelia Center, Glenwood, the Crisis Center, and Youth Villages. We have also incorporated service learning in the online version of PY 490 and have been able to place all our online students at service learning sites in their communities. In 2015, we offered 13 courses which incorporated service learning.

Undergraduate Research:
- More than 23% of our psychology undergraduate students participated in independent mentored research in 2015 (243 students). We are placing undergraduate students across campus to gain these valuable research experiences.
- Our research practicum course, PY398, is popular (49 students enrolled in 2015). Students are also gaining research experience in PY 315/316 (171 students in 2015) where they propose and execute an experiment and present the findings.
- In addition, psychology students (194 students in 2015) gain some research experience in teams through course activities in PY 490 (Psychology Capstone).
- Our faculty also mentor additional students in their laboratories such as high school students, and visiting students from area colleges such as BSC and Samford.
- We continue to have large number of student presenters at the Ost Research Competition. In 2015, 20 students presented their independent research projects.

Honors Programs:
- We continue to have psychology students active in most honors programs across campus as well as in our in-house Psychology Honors Program. 72 psychology majors were members of at least one university honors program in 2015, and 16 students were enrolled in the Psychology Honors Program, led by Dr. Michael Crowe.
Honors Society:
- Many of our students are demonstrating outstanding performance in the classroom. We inducted 84 new members into Psi Chi, the National Honor Society in Psychology in 2015. Students must hold a 3.0 GPA to be eligible to join Psi Chi.
- The UAB Chapter of Psi Chi has had a busy year full of events to engage psychology majors and increase membership and funding. Psi Chi hosted general interest meetings, co-sponsored the department fall picnic. They also organized an Eating Disorders Awareness event with a candlelight vigil and activities on the Green. Psi Chi tutored and held study sessions for over 700 students. They hosted a graduate school panel for interested students.

Curriculum:
- The Undergraduate Studies Committee of Psychology reviewed the curriculum and did not make any modifications in 2015. We are satisfied with the few changes made in 2014 (adding PY215 and a change to PY316) and feel that our students are now better prepared for our advanced course-work.

Enrollment:
- Our enrollment continues to grow. In fall of 2015, we had 1,140 majors (960 in Psychology and 180 in Neuroscience.
- A minor in Psychology is becoming increasingly popular. In 2015, 270 students were completing a minor in Psychology.
- We also collaborate with Justice Science and Sociology for a minor in Forensic Psychology and a minor in Social Psychology.

Graduates:
- 226 students graduated from the two undergraduate programs in 2015 (205 students in Psychology and 21 students in Neuroscience). (See list of 2015 graduates in Appendix A along with honors designations)
- Forty-one percent of our 2015 graduating seniors reported that they planned to apply for entry to a psychology graduate program. In addition, 27% reported that they planned to enter a graduate program outside the area of psychology such as Nurse Practitioner, Master of Business Administration and Education.
- Our graduates, both from honors programs and the “regular” major, continue to gain admission to prestigious graduate (MA and PhD) programs, medical school, law school, and to begin jobs in a range of careers and industries.

Grants and Internships
Marissa Swanson
Funding Source: American Psychological Foundation
Award: 2015 Lizette Peterson-Homer Memorial Injury Research Grant
Total Funding: $5,000

Wagner, William P.
Funding Source: Southeasters Transportation Research, Innovation Development and Education Center
Award: Transportation Research Internship Program
Total Funding: $3,000

2015 Undergraduate Student Travel Awards
Helms, Christopher (Dr. Bulent Turan, Mentor)
Society for Personality and Social Psychology (Long Beach, CA)
“A New Perspective on the Impact of Internalized HIV-related Stigma on Adherence to HIV Treatment: the Underlying Interpersonal Mechanisms”

Thai, Christy (Dr. Bulent Turan, Mentor)
2015 American Psychological Association Annual Convention
“HIV Medication Adherence: The Importance of Stigma and Treatment Self-Efficacy”
Other:

- Psychology won First Place prize in the annual CAS Door Decoration Competition. (Door decorations completed by undergraduate students; directed by Katie Wesson Sides.)
- We organized a Fall Picnic in October 2015 for all psychology undergraduates, graduates, staff, and faculty. We provided food, prizes, and games. We had over 200 in attendance. Partnering organizations were also invited to attend to give students more information about becoming involved with their groups. Glenwood Autism and Behavioral Health Center, Campfire and The Crisis Center were a few of the organizations who spoke with students and faculty.
- The twelfth annual UAB Department of Psychology Distinguished Alumni Awards was held on October 7 at the Spencer Honors House as part of the College of Arts and Sciences Homecoming Week celebration. The Distinguished Alumni Scholar Award was given to Dr. Larry Hawk and the Distinguished Alumni Service Award was given to Ms. Marcie Foster. An alumni reception followed at the Wine Loft.

Awards (e.g., Goldwater Scholar, best poster or paper)

- Briana M. Watkins 2015 Passey Prize for the Outstanding Study in Psychology
- Indya L. Woods 2015 UAB Psychology Department Achievement Award
- Ameen Barghi 2015 Co-Winner Outstanding Undergraduate Student in Neuroscience
- Brynna Paulukaitis 2015 Co-Winner Outstanding Undergraduate Student in Neuroscience
- Claire Crider Co-Winner, 2015 Ost Undergraduate Research Competition (R Kana, Prim Mentor)
  
  Poster title: Changes in Brain Activity following a Reading Intervention in Children with Autism
- Morgan Parr Co-Winner, 2015 Ost Undergraduate Research Competition (D Stavrinos, Prim Mentor)
  
  Poster title: Differential Impact of Personality Traits on Distracted Driving Behaviors in Teens and Older Adults
- Lindsey Yessick Honorable Mention, 2015 Ost Undergrad Research Competition (B Goodin, Prim Mentor)
  
  Poster title: An Examination of Pain Catastrophizing and Experimental Pain Sensitivity in Patients with Chronic Low Back Pain

What are your plans for the coming year as they relate to:

Curriculum:

- We are continuing discussions of development of new joint majors/minors, especially for pre-med students.
- We plan to launch a full online degree in Psychology in Fall 2015.
- We are participating in the QEP initiative “Learning in a team environment” by modifying our existing Research Methods and Developmental Psychology course.

Student Honors and Awards Outside the Department:

- We will continue to help fund undergraduate students for travel to present research at national/international conferences. We are currently supporting 8 students each year with a $200 travel award.

Engagement (facilities/equipment/student experiences):

- We plan to enhance students’ global perspective through continuation of our successful study away program.
- We will continue our successful recruitment events to increase the number and quality of psychology majors and minors. We will be considering recruitment campaigns at high schools and will continue to work with enrollment management to expand outreach, bringing more students to campus through invitations to OST and other student oriented events.
- We hope to be able to identify a dedicated space to conduct undergraduate research. This is especially needed for our research courses and our honors students.
- We will continue to develop mutually beneficial relationships with our community through partnerships and practicum placements.
We plan to increase the number of members in our Psychology Club, a student-run organization open for all psychology majors. The Club allows students to network, gain valuable leadership experience, and community-service experience.

We will continue the highly successful tutoring program which we implemented in 2014. Our senior Psychology Club and Psi Chi students tutored more than 700 students in 2015.

**Honors Programs / Research Experiences:**

- We hope to increase the number of students in the Psychology Honors Program and UAB Psi Chi. We are reviewing the Honors curriculum and admission process to attract more high quality students earlier in their college career.
- We are also working to increase undergraduate research opportunities through placements throughout campus and potential team research activities.
- We are considering allowing students to register for 0 credit hours in the Research Practicum course (PY398) so that we can better track how many students are involved in mentored research. We have many students who remain working in the laboratory after they have completed the requirements for the major and we would like to be able to record these students as well.
- We are also enthusiastic about teaching several honors courses on a regular basis. We have taught Honors Introduction to Psychology, Honors Brain Mind and Behavior, and Honors Developmental Psychology and are considering additional honors courses such as an Honors statistics course.

**Bragging Points:**

- Psychology has one of the highest graduation numbers of all departments in CAS (224 graduates in 2015).
- More than 20% of our majors participated in mentored research in 2015.
- Approximately two-thirds of our graduates apply to graduate programs either in Psychology or other fields.
Goal Area 1: Undergraduate Education: Neuroscience Program

What were the department’s major accomplishments for Undergraduate Education last year?

Neuroscience Program:
Students in the Undergraduate Neuroscience Program (UNP) have been quite successful academically. The overall average GPA was 3.74. The UNP produced 21 graduates in 2015. Of these, 10 graduated Summa Cum Laude, 9 Magna Cum Laude, and 1 Cum Laude. Given the difficulty of the UNP curriculum and the requirement that majors are fully engaged in a neuroscience research laboratory for a minimum of 2 years, this is excellent.

Online Instruction:
- Brain, Mind, and Behavior (PY253), one of the core courses required for the UNP, was offered online during the spring, summer, and fall terms of 2015.
- The need and financial viability of offering other UNP courses online is under consideration.

Study Away:
- Dr. Kana, Co-Director of the Undergraduate Neuroscience Program, led a Study Away trip to Deli, India (May-June 2015). His course included a focus on the neuroscience associated with mental disorders. 3 PH.D., 1 Masters level, and 7 undergraduate students (1 UNP student) enrolled in this course.

Service Learning:
- 2 UNP students participated in at least one service learning experience in 2015.

Undergraduate Research:
- All UNP students are expected to participate in mentored research for a minimum of 2 years and compose a senior thesis under the guidance of a UNP-affiliated faculty member.
- Our UNP students are placed across the UAB campus and work with mentors in departments that include Psychology, Neurobiology, Psychiatry & Behavioral Neurobiology, Neurology, Vision Sciences, Physical Medicine & Rehabilitation, and many other departments.
- Many of our UNP students were enrolled in PY/NBL 398 (30 Spring; 2 Summer; 32 Fall) for independent mentored research in 2015.

Honors Programs:
- Nearly all UNP students were members of at least one University Honors Program in 2015. Honors programs include: Early Medical School-EMSAP (12 students); Experiential Learning Scholar (5 students); Global/Community Leadership (11 students); Honors College Scholar (39 students); Science & Technology (46 students); University Honors Program (50 students).

Curriculum:
- Over the past two years the UNP directors reviewed the curriculum and made a few changes to better meet the needs of students interested in neuroscience. In 2015, 2 new courses were developed for UNP students including Honors Intro to Psychology with a Neuroscience focus (PY201) taught by Dr. Mary Boggiano in Psychology, Honors Brain, Mind, & Behavior (PY253) taught by Rajesh Kana in Psychology, and Neurobiology Research Lab (NBL390). The new Honors Intro to Psychology course is a relatively advanced course on the science of human behavior. It is taught from a neuroscience perspective and is intended for UNP majors and minors as well as anyone with a science major. In addition, 3 new courses are currently under development to serve the educational needs of UNP students. These courses are focused on Neurodevelopment, Neuroscience of Language, and Neurogenetics. Several other new courses have been developed over the past two years for our students including Neuroscience for Non-majors (NBL 150), Scientific Reasoning and Medical Research Design (NBL 210), Motivation, Reward, & Addiction (NBL 225), Learning and Memory (NBL 245), Special Topics in Molecular Neuroscience (NBL 410), Senior Seminar in Neuroscience (NBL 399), and Methods in Neuroimaging (PY 743/PY 420/NBL 425).
- We have proposed a Neuroscience Minor that will be reviewed in the Spring of 2016 and includes core courses in Psychology (PY 253 and PY 353) and Neurobiology (NBL 355 and NBL 356). In addition, several other Psychology and Neurobiology courses will be offered as electives for the minor.
Enrollment:
- Our enrollment continues to grow. We had a total enrollment of 180 students in 2015, an increase of 21% over our 149 student enrollment in 2014.
- Enrollment for the Fall 2015 incoming class grew to 67 new Neuroscience majors, our largest Freshman class to date.
- The incoming class size is expected to grow to approximately 75 students in the Fall of 2016 and once the Neuroscience minor is approved, the number of students enrolled in the UNP classes will increase further.

Graduates:
- 21 Neuroscience students graduated in 2015.
- In 2015, 18 of our students matriculated into graduate (4 students), medical (10), professional (3), or other post-baccalaureate (1) programs.
- In 2015, our graduates were accepted to prestigious Medical School and Graduate Programs at institutions that include University of Oxford, Harvard Medical College, Emory University, University of Tennessee, Vanderbilt University, South Alabama, Mississippi College, and our own University of Alabama at Birmingham.

2015 Undergraduate Student Travel Awards
John Decker
Annual National Collegiate Honors Council Meeting
Voluntary Eye-Movements to Cyclopean, Monocularly-Invisible Targets

Ranjani Ponnazhagan
Annual National Collegiate Honors Council Meeting
Metabotropic Glutamate Receptor 4 Positive Allosteric Modulators Attenuate LPS-Induced Inflammation in Microglia Cells

Lauren Cabaniss
Annual National Collegiate Honors Council Meeting
miRNA-146 and miRNA-155 in Periodontal Disease

Awards (e.g., Goldwater Scholar, best poster or paper)
1. Brian Nykanen Named finalist for Truman Scholarship
2. Nathan Larinde UNCF Merck Science Scholarship winner
3. Ameen Barghi Rhodes Scholar
4. Ameen Barghi Outstanding UNP Student Award
5. Brynna Paulukaitis Outstanding UNP Student Award
6. Hriday Bambhvan Amgen Scholars (CalTech)
7. Sadhvi Batra Humanity in Action Fellowship, Presidential Management Fellowship
8. Daniel Gilliam Goldwater Scholarship, Honorable Mention
9. Dailey Nettles Patsy W. Collat Endowed Scholarship
10. Aseel Dib Clinton Scholarship
11. Ranjani Ponnazhagan Annual National Collegiate Honors Council Presentation Award
12. John Decker Annual National Collegiate Honors Council Presentation Award
**What are your plans for the coming year as they relate to:**

**Curriculum:**
- 3 new courses are under development for students beginning in the 2016-2017 academic year. These courses include 1) Neurodevelopment and its disorders, 2) Neuroscience of Language, and 3) Neurogenetics.
- The UNP minor is currently under review by the Undergraduate Curriculum Committee of the Faculty Senate and should be in place to offer students by the Fall semester of 2016.
- The UNP directors are presently discussing the possibility of developing a 5th year UNP Master’s Program.

**Engagement (facilities/equipment/student experiences):**
- The UNP directors are currently considering adding a laboratory component to one of the core UNP courses.
- The UNP is working on plans to increase enrollment of UNP majors and minors.

**Honors Programs / Research Experiences:**
- The UNP is beginning efforts to develop a MARC U-STAR (T34) proposal that would provide support for under-represented students in STEM fields.
- The UNP is initiating mandatory Research Orientation seminars for incoming students to better prepare them for the expectations of working in a research lab.

**Bragging Points:**
- UNP students have been very successful for national awards over the past year including a Rhodes Scholar, finalist for the Truman Scholarship, and UNCF Merck Science Scholarship.
- All Neuroscience majors participate in mentored research.
- Nearly all Neuroscience graduates pursue medical or graduate school opportunities.
- Five UNP students presented at regional or national scientific meetings in 2015.

**Undergraduate Neuroscience Society**
- During the Spring of 2015, the UAB Undergraduate Neuroscience Society hosted Dr. Ronald Cowan from Vanderbilt University for a special lecture on neuroscience.
- In the Fall of 2015, the UAB Undergraduate Neuroscience Society hosted Dr. Olaf Sporns from Indiana University for a special lecture on neuroscience.
- During the Fall of 2015 the UNS participated in the Psychology Department Picnic, setting up a tent to promote awareness of and interest in neuroscience to the broader UAB community. The UNS offered a variety of neuroscience-themed games and demonstrations along with explanations of the science behind them.
- Over the past year, the UNS has hosted a series of four professional and academic development workshops for undergraduates on topics such as professionalism and success in research and graduate/professional school applications.
- The UNS has partnered with an existing coalition of graduate students, professional students, and faculty to work on neuroscience-based outreach, volunteering, and education.
- This year the UNS planned and piloted a student peer mentoring program for neuroscience undergraduates.
- The UNS worked with UNP administration to help plan future course offerings, program events, and requirements and support for undergraduate researchers.
- The UNS created and sold club t-shirts to increase the visibility of neuroscience on campus and to raise funds for future activities.
- The UNS will be hosting The Alabama Brain Bee in the Spring of 2017. The Brain Bee is a neuroscience competition for high school students held each year during the UAB Neuroscience Day to promote neuroscience education and awareness. The UNS was also integrally involved in the 2016 UAB Brain Bee.
- The UNS will be assisting with UAB Brain Awareness Week activities in the Spring of 2017. Brain Awareness week activities are held at the McWane Science Center and are geared toward elementary school children (and their parents) with the goal of increasing public’s knowledge of the brain and functions it serves. Activities include sheep brain and cow eye dissections, psychological illusion demonstrations, and demonstrations to educate children helmet use to protect their brains.
Goal Area 2: Graduate Education

Within the Department of Psychology, there are three doctoral programs:

1. **Medical/Clinical Psychology Program** – Please see pages 11 through 23 for information about this program.

2. **Lifespan Developmental Psychology Program** – Please see pages 24 through 31 for information about this program.

3. **Behavioral Neuroscience Psychology Program** – Please see pages 32 through 35 for information about this program.

Graduate Program Student Placement Outcomes – Please see Appendix B for a listing of placements in all three graduate programs.
Medical/Clinical Doctoral Program
Co-sponsored by the UAB College of Arts and Sciences and School of Medicine

43 Graduate Students enrolled during the 2015 calendar year:

2014 – 2015 Academic Year
Ammons, Carla Haddad, Michelle M. Lynch, Mary
Beattie, Julia Fleming Hayes, Lauren E. *Murdaugh, Donna
Bolden, Lauren Henry, Samantha K. Niccolai, Lindsay M.
Bulls, Hailey *Herbert, Matthew O’Neill, Jillian Nieman
Burgess, Emilee E. Herringshaw, Abbey Owens, Michael “Alec”
Campbell, Kelsey Jagielski, Christina Passler, Jesse S.
Cutillo, Alexandra S. King, Vinetra Schmidt, Erica L.
Elliott, Lindsay C. Koch, Sarah Gilott Shepard, Desti
*Galindo, Juliette Lassen Greene, Caroline Sokal, Brad H.
*Gardner, Molly A. Hensler Lebersfeld, Jenna Steward, Kayla
Gowda, Anjali Lemelman, Amy Wells, Hayley
Gregory, Amber Leonczyk, Caroline Oates Womble, Brent

2015 – 2016 Academic Year (Incoming Students)
Bednarz, Haley McRae, Elizabeth Swanson, Marissa
D’Angelo, Christina Mueller, Christina Terry, Sarah
Dark, Heather

*Students who graduated in 2015

What were the department’s major accomplishments for Graduate education last year?

Doctorates Awarded – 4
Galindo, Juliette (August)
Dr. Elizabeth Richardson, Chair (Department of Physical Medicine and Rehabilitation, School of Medicine)

Gardner, Molly Ann (August)
“Benefit Finding among Caregivers of Childhood Cancer Survivors”
Dr. Sylvie Mrug, Chair (Department of Psychology, College of Arts and Sciences)

Herbert, Matthew Scott (August)
“Cortisol Regulation, Perceived Discrimination, and Ethnic Differences in Pain Responses among Persons with Knee Osteoarthritis”
Dr. Laurence Bradley, Chair (Division of Clinical Immunology and Rheumatology, Department/School of Medicine)

Murdaugh, Donna Louise (August)
“Intrinsic and Extrinsic Brain Activity in Children with Autism Before and After a Visualization Language Intervention”
Dr. Rajesh Kana, Chair (Department of Psychology, College of Arts and Sciences)

Master's Awarded - 7
Beattie, Julia Catherine Fleming (August)
“Relationship Between Hippocampal Dentation and Memory in Healthy Adults”
Dr. Roy Martin, Chair (Division of Neuropsychology, Department of Neurology, School of Medicine)
Bolden, Lauren Brittany (December)
“The Relationship between Cortical Excitability and Neuropsychological Functioning in Healthy Adults: A TMS Study”
Dr. Jerzy Szafirski, Chair (Division of Epilepsy, Department of Neurology, School of Medicine)

Bulls, Hailey Waddell (April)
*Ethnic Differences in Endogenous Pain Modulation Across the Adult Lifespan*
Dr. Laurence A. Bradley, Chair (Division of Clinical Immunology and Rheumatology, Department/School of Medicine)

Jagielski, Christina H.
“Personality as a Predictor of Well-Being in a Mindfulness Based Stress Reduction Intervention for Women with Breast Cancer”
Dr. Diane C. Tucker, Chair (Department: Psychology, College of Arts and Sciences)

King, Vinetra L. (April)
“The Effects of Violence Exposure on African American Adolescents’ Academic Achievement: Emotion Regulation as a Protective Factor”
Dr. Sylvie Mrug, Chair (Department: Psychology, College of Arts and Sciences)

Koch, Sarah Alberta (August)
Dr. Maria Hopkins, Chair (Department: Psychology, College of Arts and Sciences)

Hayley Louise Wells (December)
“The Influence of Children’s Poison Familiarity on Unintentional Poisoning Risk: Child and Parent Contributions”
Dr. David Schwebel, Chair (Department: Psychology, College of Arts and Sciences)

Research and Scholarship: Publications and Conference Presentations
In 2015, Medical/Clinical Psychology graduate students authored / co-authored:
- 35 distinct peer-reviewed journal publications and book chapters.
  - For 17 of these papers (49%), the student was first author
- 70 distinct conference presentations
  - For 51 of those presentations (73%), the student was first author

Of 36 students who continued in the program in 2015 (i.e., excluding those who joined the program this year):
- 19 (53%) published at least one papers in peer-reviewed journals.
- 7 students (19%) published two or more papers in peer-reviewed journals
- 28 (78%) presented or co-authored a conference presentation.
- 18 (50%) presented or co-authored two or more conference presentation

See Appendix C for a complete list.

Grants
Research Grants:
Campbell, Kelsey (J. Younger, Primary Mentor)
Funding Source: NIH – NINDS
Title: Brain thermometry: A non-invasive method detecting neuroinflammation in traumatic brain injury.
Budget Period: 07/01/16 – 06/30/18
Total Funding: $ 43,000 for 1 Year

Lebersfeld, Jenna
Funding Source: UAB Civitan International Research Center
Title: Civitan Emerging Scholars Award
Budget Period: October 1, 2015 – September 30, 2016
Total Funding: $25,000
Leonczyk, Caroline
Funding Source: Organization for Autism Research: Graduate Research Grant
Title: The Effectiveness and Feasibility for a Social Skills Intervention for Adolescents with Autism Spectrum Disorders
Date of Award: May 4, 2015
Total Funding: $2,000

O’Neill, Jillian
Funding Source: BBVA Compass Mortgage Financial Services Award in Graduate Education
Title: Neuropsychological Functioning and Return to Learn among Concussed Youth Athletes
Total Funding: $2,500

O’Neill, Jillian
Funding Source: Foundation for Rehabilitation Psychology Dissertation Award
Title: Neuropsychological Functioning and Return to Learn among Concussed Youth Athletes
Date of Award: December 20, 2015
Total Funding: $2,500

Steward, Kayla
Funding Source: UAB Comprehensive Center for Healthy Aging
Title: The influence of BDNF polymorphism (Val66met) on speed of processing in older adults with amnestic mild cognitive impairment
Budget Period: 2015 - 2016
Total Funding: $2,000

Swanson, Marissa
Funding Source: American Psychological Foundation and the Society for Pediatric Psychology Lizette Peterson-Homer Injury Prevention Grant
Title: Unintentional Childhood Injury in Rural Uganda: The Role of Sibling Supervision and the Potential for Behavior Change through Classroom-Based Instruction
Total Funding: $5,000

Community Outreach Grants
King, Vinetra
Funding Source: Birmingham City Schools Title I funds
Title: Carver High School Dialectic Behavior Therapy Program
Total Funding: $11,500

King, Vinetra
Funding Source: National Institute for Civil Discourse, National Issues Forum Institute, and Jefferson County Department of Health
Title: UAB Text Talk Act Mental Health Awareness Event
Award Date: October 5, 2015
Total Funding: $760

Competitive / Merit-Based Travel Grants:
Leonczyk, Caroline
Funding Source: American Psychological Association Division 33 (Individual and Developmental Disorders / Autism Spectrum Disorders)
Title: American Psychological Association 2015 Annual Convention: The Role of IQ in Autism Symptomatology Among Children Born Prematurely
Award Date: August 5, 2015
Total Funding: $500
Leonczyk, Caroline
Funding Source: Leadership Education in Neurodevelopmental and Related Disabilities (UAB Civitan-Sparks Clinics)
Title: AAIDD, The Arc, AUCD, UCP, NACDD Disability Policy Seminar, Washington, DC
Award Date: April, 2015
Total Funding: $800

Owens, Michael Alec
Funding Source: American Pain Society
Title: Young Investigator Travel Grant: Sleep Disturbance in Chronic Low Back Pain
Award Date: March 18, 2015
Total Funding: $750

Passler, Jesse
Funding Source: American Psychological Association
Title: Predictors of self-care activities in older adults with diabetes
Award Date: April 28, 2015
Total Funding: $300

Additional Individual Training Grants Applied for in 2015:
NIH National Research Service Awards (F31s):
1. Mary Lynch (April, November)
2. Kelsey Campbell (November; awarded July 2016)

NSF Graduate Research Fellowship Program:
1. Christina D’Angelo (November; awarded April 2016)
2. Heather Dark (November)
3. Marissa Swanson (November)

Honors and Awards
Gardner, Molly
- Department of Psychology Award: Outstanding Student in the Medical/Clinical Psychology Doctoral Program
- Department of Psychology Award: Overall Outstanding Graduate Student
- Dean’s Award to the Outstanding Graduate Student in College of Arts and Sciences

King, Vinetra
- Society for Research in Child Development Black Caucus Poster Award: “Who do adolescents talk to once they are exposed to violence?”

Womble, Brent
- UAB Comprehensive Neuroscience Center 1st Place Poster Award: “The effects of CI therapy on white matter integrity and real-world functional improvement in adults with hemiparetic multiple sclerosis: A randomized controlled trial”
Clinical Training Activities

Medical/Clinical Psychology is unique among College of Arts and Sciences doctoral programs in that it trains students for careers that integrate clinical practice with research and scholarship.

In support of the clinical training mission, Medical/Clinical Psychology graduate students dedicated approximately 18,000 hours to supervised patient care within the UAB Health System and other program-affiliated clinical facilities. These hours are closely tracked throughout the year, and included:

- Approximately 9,500 hours of direct face-to-face intervention and assessment services through the following clinical service and training sites:

<table>
<thead>
<tr>
<th>Hours</th>
<th>Healthcare Delivery Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,045</td>
<td>UAB Psychiatry (includes inpatient and outpatient evaluation and treatment of adults, transplant evaluation, geriatrics, and the adolescent inpatient unit)</td>
</tr>
<tr>
<td>1,618</td>
<td>Children’s of Alabama Hospital (UAB Department of Pediatrics and Children’s Behavioral Health)</td>
</tr>
<tr>
<td>1,129</td>
<td>Civitan-Sparks Clinics (child behavioral and neurodevelopmental disorders; autism spectrum disorders)</td>
</tr>
<tr>
<td>700</td>
<td>Spain Rehabilitation Center (Department of Physical Medicine &amp; Rehabilitation)</td>
</tr>
<tr>
<td>565</td>
<td>Community-based Private Practices (predominantly Ackerson &amp; Associates and Doleys Chronic Pain and Rehabilitation Center)</td>
</tr>
<tr>
<td>530</td>
<td>Birmingham Veteran’s Administration Medical Center</td>
</tr>
<tr>
<td>361</td>
<td>Community Outreach (predominantly programs for children in local schools)</td>
</tr>
<tr>
<td>313</td>
<td>Local non-profits (Glenwood Autism and Behavioral Health Center, Mitchell’s Place)</td>
</tr>
<tr>
<td>305</td>
<td>School of Health Professions Eat Right Clinic</td>
</tr>
<tr>
<td>263</td>
<td>UAB Highlands Pain Clinic (UAB Anesthesiology)</td>
</tr>
<tr>
<td>256</td>
<td>Other UAB Health System Departments, Clinics and Centers (e.g., Department of Neurology, Taub Clinic, Palliative / Supportive Care, Comprehensive Center for Healthy Aging, Highlands Pain Clinic)</td>
</tr>
<tr>
<td>9,084</td>
<td>TOTAL DOCUMENTED DIAGNOSTIC ASSESSMENT AND TREATMENT HOURS</td>
</tr>
<tr>
<td>+ 5%</td>
<td>Estimated adjustment for advanced students excused from logging hours during transition to new tracking system (will drop to 0 for 2016).</td>
</tr>
<tr>
<td>~9,540</td>
<td>ESTIMATED TOTAL DIAGNOSTIC ASSESSMENT, TREATMENT, AND COMMUNITY-BASED MENTAL HEALTH INTERVENTIONS PROVIDED BY MEDICAL/CLINICAL PSYCHOLOGY DOCTORAL STUDENTS</td>
</tr>
</tbody>
</table>

- Approximately 5,800 hours during which students were engaged in support activities such as preparation of case/chart notes and reports, coordination of care with other professionals, test scoring and interpretation, and attending didactic training sessions.

- Finally, approximately 2,900 hours were spent meeting with clinical supervisors, including faculty and clinical staff located throughout the healthcare facilities tabled above.
What are your plans for the coming year as they relate to:

Graduate curriculum:
- Instructors and program leaders will evaluate and possibly revise our graduate curriculum during Summer and Fall of 2016 for compliance with new American Psychological Association Standards of Accreditation that take effect January 1, 2017.
- We will ensure transparency and continued compliance with accreditation standards by posting major standards on our website along with how each of them are met and assessed.

Graduate student awards outside the department:
- We will provide at least one didactic overview of NRSA and other individual grant funding mechanisms for all students.
- We will continue to encourage the integration of material pertaining to the NIH F31 individual predoctoral grant format into PY 718 Research Design.
- We will continue to advertise existing Graduate School and Department of Psychology incentives for pursuing external funding, and seek additional ways to encourage more students to seek this funding.
- We will continue to encourage and support student travel to scientific and professional conferences to present posters and podium talks that make them eligible for student-level awards and honors.

Student recruitment:
- We will continue to recruit widely and maintain high admissions standards
- We will continue to improve the programs’ website to communicate major areas of strength and emphasis, including neuropsychology, rehabilitation, aging, pediatrics, child behavioral and neurodevelopmental disorders (e.g., autism), pain, substance abuse and injury prevention.
- We will continue to highlight the unique breadth of “real-world” clinical research and training opportunities that are afforded by our associations with the School of Medicine, University Hospital, Children’s of Alabama, the Birmingham VA Medical Center, and other program-affiliated healthcare facilities off campus.
- We will continue to involve research mentors in our admissions process by
  - adding information on faculty interest in taking a new student for the upcoming academic year.
  - encouraging faculty to work through professional contacts to recruit bright and capable undergraduates to apply to our programs.
  - encouraging students to name, at the point at which they apply, 1-3 research mentors in our program with whom they share interests.
  - soliciting feedback from potential mentors on applicants who meet admissions committee thresholds.
  - ensuring that all students invited to interview meet with potential mentors during the interview process
  - including feedback from potential mentors at both initial application review and final ranking for offers.
- We will also continue to retain flexibility in this process to admit highly-qualified students with compatible substantive interests who are not ready at the time of application to commit to a single faculty mentor, which (per applicant feedback) has been an attractive aspect of our program in the past.
- We will continue and expand efforts to recruit students from diverse backgrounds. In particular, we will:
  - continue proactive efforts, in particular mailings and invited campus visits, to recruit African-American and other minority students to apply to our program. In doing so we will capitalize on and establish new relationships with Historically Black Colleges and Universities in Alabama and throughout the country.
  - advertise, through links on our website, enhanced funding available through the Office of the Vice President for Equity, Diversity and Inclusion.
  - continue to use appropriate group-referenced GRE norms in evaluating African-American and Hispanic/Latino/Latina applicants to our program, to ensure that we do not perpetuate biases against these students that can arise from the use of standardized tests.
**Research Productivity:**

- While we consider the overall level of research productivity (publications and presentations) to be satisfactory, it is nevertheless the case that each year 1-2 students have graduated with no publications. In 2016 we will implement for the first time a new policy, developed in 2015, requiring each student to submit at least one first- or second-author publication before they apply for internships.
- Through the Department of Psychology, we will continue to facilitate travel to scientific conferences contingent on presentation of posters and podium talks.

**Clinical Training / Internship Preparation:**

- We will review all clinical training and supervision requirements during the Summer and Fall of 2016 for compliance with new American Psychological Association Standards of Accreditation that take effect January 1, 2017. We already know that we will need to increase requirements for supervision such that each practicum experience involves some live or video observation of the student.
  - We have prepared for this development by tracking, over the past year, the number of clinical practica that include direct observation. Fortunately, this is already the case for many practica though the data have not yet been aggregated.
  - An additional requirement that we will need to meet is to arrange for didactic training of our students in consultation and supervision. While most students acquire clinical experience in consultation already, most do not engage in supervised supervision on less advanced students. Moreover, a theoretical/didactic component will need to be added to this training in 2015.
- To build on recent successes in placing our students in internships, we will
  - continue to implement our new system for internship preparation that builds on existing strengths and also ensures that each individual student identifies a small set of readers with specialty expertise to provide feedback on cover letters, essays and other application materials.
  - continue to give close scrutiny to each student’s readiness for internship based on experience accrued and competence ratings by supervisors. This is implemented through our two-stage annual review process in which students are evaluated each April/May by their advisory committees and then discussed with the Medical/Clinical Psychology Coordinating Committee, which is that group with primary responsibility for program oversight.

**Other Program Accomplishments and “Bragging Points”**

**Research and Graduate Education:**

- Students: A complete list of the 43 students who were enrolled in the Medical/Clinical Psychology Doctoral Program during all or part of 2015 appears at the top of this program’s report. By the end of the year,
  - 4 students had graduated and accepted post-doctoral fellowships or academic clinical-research positions.
  - 4 students had gone on internship and are on track to graduate in 2016.
  - 6 students applied for internships to begin in 2016.
  - 7 new students entered the program
  - No students left the program for any reason other than graduation (0% attrition)
  - 22 students continued in the program with the intention of remaining in residence throughout 2016.
- Research Productivity
    - This represents an increase of 37% compared to the average of the two prior years.
    - Published articles/chapters include 17 student first authorships and 38 total student authorships
    - On average, our graduate students publish ~1 peer-reviewed paper per year based on UAB research.
  - Medical/Clinical Psychology doctoral students presented 70 distinct conference posters and presentations in 2015, excluding those presented at local or student events.
    - This number is generally consistent with conference participation over the past two years (73 in 2013 and 59 in 2014).
    - Conference presentations include 51 student first authorships and 90 total student authorships
    - On average, our graduate students continue to present ~2 conference papers per year based on UAB research.
Globalization:
- The program now has two international students: Emilee Burgess (Canada) and Stephanie (Christina) Mueller (Germany). We continue to attract applications from other countries each year, but the competitiveness of the program limits the number of international students that we can accept.
- Emilee Burgess spent the second half of 2015 working with Dr. Janet Treasure, an internationally-regarded eating disorders specialist, at the Kings College London Institute of Psychiatry, Psychology and Neuroscience.
- Although Marissa Swanson is a U.S. citizen, she was recruited from Uganda, where she had been working with an NGO for approximately 18 months. She therefore offers a unique cross-cultural perspective through her class participation.

Diversity:
- Six students enrolled during part or all of 2015 are members of under-represented minority groups:
- Two students are covered by the Americans with Disability Act.

Student Advising:
- We continued to implement a strong program of advising for all students.
  - By the end of the Fall term of the first year, each student has a faculty research mentor with whom he or she works closely on an ongoing basis. This individual's expertise is supplemented by that of the thesis and/or dissertation committees, which are appointed by the program director at appropriate times as the student's research training progresses.
  - By the end of the Spring term of the first year each student has an advisory committee of 3-4 faculty members, including the research mentor. Each student meets with this committee at least once per year to review accomplishments and plans in the areas of research, clinical training, and course work. The program chair then presents the results of this meeting to the program steering committee (Medical Psychology Coordinating Committee), which has ongoing responsibility for program oversight and evaluation. Students meet with their advisory committee chairs at least once per term.
- In 2015 we completed implementation of new student progress benchmarks, the purpose of which was to increase student progress and productivity, provide better guidance to faculty mentors and advisors, and increase the number of students who complete and defend their dissertations before departing for internship (currently about 50%; goal is 80%). Based on our Spring 2015 annual review we made minor changes to our benchmarks to be implemented into 2016.
- In 2015 we integrated Individual Development Plans into our annual review process and accordingly overhauled our instructions to students and advisory committees to refocus attention on students' professional goals and competencies required to meet those goals, in addition to competencies required for program completion and professional licensure.
- We increasingly use technology to assist advisory committees and program leadership in tracking students' progress. For example:
  - We have continued to implement an automated e-mail system to provide student advisory committees with summary and narrative research and clinical evaluations for all students prior to their annual review meetings. Previously this information was kept in files in the program office and rarely referenced as part of the review process.
  - We continued our implementation of computerized tracking of clinical service and supervision hours. By the end of the year only one student remained who had been "grandfathered" out of required participation in this system. This system has greatly improved monitoring of training activities, both for individual students and the program as a whole, by advisory committees and program leadership. Results of this process were important in strengthening supervision standards beginning in the Fall of 2015.
  - We continued to automate solicitations of research mentor and clinical supervisor evaluations of students at the end of each term. This has resulted in a much improved compliance rate for submission of these evaluations.

Other Accomplishments:
- In 2015 we completed a major overhaul of our program website.
- We continued to develop and expand our centralized databases of students, alumni and faculty in 2015, making it much easier to track a variety of data relevant to reports, publications (e.g., the annual Graduate Study in Psychology) and accreditation requirements
All Program graduates within the past 8 years continue to be employed in post-doctoral clinical-research fellowships or research, academic, national leadership (i.e., NIH) and/or clinical healthcare positions that are appropriate to their training in our program. The program’s professional psychology licensure rate remains above 95% within 1 year of attaining eligibility, which varies by state.

Recruitment of New Medical Clinical Students for 2016 (7 new students, including 4 minority students):

In November 2015 we received 167 applications for admission for the Fall 2016 term. This is an increase of approximately 28% compared to the average of the two prior years. This increase is likely due to our suspending the requirement that students complete the Psychology GRE.

This cohort of applicants included a record number of individuals whose grades and GRE scores exceeded our “soft” threshold: GPA of 3.5 or higher; GRE verbal and quantitative percentiles of 67 and 50 or higher.

Students admitted for Fall 2016 are:
- Tyler Bull: BS, University of Central Florida, 2015
- Samantha Gonzalez: BA, California State University – Chico, 2014; MA, California State University – Chico, expected 2016
- Terence Penn: BS, University of Alabama (Tuscaloosa), 2016
- Doris Pu: BA, Dartmouth College, 2014; MA, New York University, expected 2016
- Juliann Purcell: BA, Gettysburg College, 2011; MS, University College London, 2013.
- Kathryn Thompson: BS, University of Tulsa, expected 2016
- Samantha Schiavon: BA, University of San Diego, 2014; MA, American University, expected 2016

Once again our incoming class is highly qualified.
- Mean percentiles on the GRE are 90 (verbal), 75 (quantitative), and 87 (analytic writing), compared to 86, 67, and 81 (respectively) last year.
- Mean undergraduate GPA this year is 3.84 compared to 3.78 last year.
- As usual, all incoming students have pre- or post-baccalaureate research and/or clinically-relevant experience.

Additional bragging points:
Despite increasing academic standards for our students, our attrition rate remains low. As of the date of this report it has been nearly 2 years since we last lost a student for reasons other than completion of the doctorate. No currently-enrolled student is or has been on Graduate School or program-level probation that would predict high risk of attrition.

The Medical/Clinical Psychology Doctoral Program graduates approximately 50% of all Ph.D.’s awarded in Psychology, and approximately 20% of all Ph.D.’s awarded in the College of Arts and Sciences.

2015 Department of Psychology Graduate Student Travel Grants ($400 each):

Ammons, Carla (Dr. Rajesh Kana, Mentor)
National Academy of Neuropsychology (NAN) Annual Conference (Austin, TX)
*Anthropomorphism and Action Processing in Autism: An Independent Component Analysis of Functional Connectivity*

Bulls, Hailey (Dr. Laurence Bradley, Mentor)
American Pain Society (Palm Springs, CA)
“*Ethnic Differences in Pain Facilitation Across the Adult Lifespan*”

Fleming, Julia Beattie (Dr. Lawrence Ver Hoef, Mentor)
International Neuropsychological Society 43rd Annual Meeting (Denver, CO)
“The Relationship between Hippocampal Dentation and Neuropsychological Memory Performance in Health Adults”

Gowda, Anjala (Dr. Christina Rodriguez, Mentor)
Society for Research on Child Development (Philadelphia, PA)
(a) “Positive Parenting in Fathers and The Role of Empathic Perspective Taking”
(b) “Couples Satisfaction, Maternal and Paternal Child Abuse Risk and the Moderating Role of Gender Role Attitudes”
Gregory, Amber (Dr. Jerzy Szafarski, Mentor)  
American Epilepsy Society 69th Annual Meeting (Philadelphia, PA)  
*The Development of a Cognitive Intervention for Persons with Epilepsy and Memory Impairment*

Henry, Samantha (Dr. Michael Crowe, Mentor)  
Gerontological Society of America (Orlando, FL)  
*Physician Trust in Older Adults with Diabetes*

Herringshaw, Abbey (Dr. Rajesh Kana, Mentor)  
International Meeting for Autism Research (Salt Lake City, Utah)  
*“Hemispheric Differences in Language Processing in Autism Spectrum Disorders: A Meta-Analysis of Neuroimaging Studies”*

Jagielski, Christina (Dr. Sylvie Mrug, Mentor)  
American Psychological Association Convention (Toronto, Canada)  
*“Adolescents’ Spiritual Coping with Cystic Fibrosis: Physical Health Correlates and Interventions”*

Koch, Sarah (Dr. Maria Hopkins, Mentor)  
International Meeting for Autism Research (Salt Lake City, Utah)  

Lebersfeld, Jenna (Dr. Maria Hopkins, Mentor)  
Eighth Biennial Conference on Pediatric Sleep Medicine: Advances in Research, Patient Care, Policy, and Education. (Amelia Island, FL)  
Additional $200 given for attending a clinical training class: Autism Diagnostic Observation Schedule (ADOS-2) Clinical Training (Nashville, TN)

Leonczyk, Carolina Oates (Dr. Fred Biasini, Mentor)  
Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities (New Orleans, LA)  
*“Predictors of ADHD and Autism Symptomatology Among Children Born Prematurely”*

Lynch, Mary (Dr. Burel Goodin, Mentor)  
Society of Pediatric Psychology Annual Conference (San Diego, CA)  
(a) “Disorder specific pain and its relationship with sleep in children with Eosinophilic Esophagitis”  
(b) “The relationship between positive airway pressure therapy and quality of life in children with obstructive sleep apnea”

Murdaugh, Donna (Dr. Rajesh Kana, Mentor)  
International Meeting for Autism Research (Salt Lake City, Utah)  
*“Changes in Functional Brain Network and White Matter Connectivity Underlying Language Comprehension in Children with Autism after a Reading Intervention”*

O’Neill, Jillian (Dr. Laura Dreer, Mentor)  
Sports Neuropsychology Society Concussion Symposium (Atlanta, GA)  
*“Predicting Time to Cognitive Clearance in Concussed Children: Contributions of Attention, Memory and the SCAT-2”*

Owens, Michael (Dr. Burel Goodin, Mentor)  
American Pain Society (Palm Springs, CA)  
(a) “Sleep disturbance in chronic low back pain: an age- and gender-matched case-control study”  
(b) “Pain catastrophizing and cytomegalovirus antibody titers in young adults with chronic pain”

Shepard, Desti (Dr. Paula Chandler-Laney, Mentor)  
American Psychological Association (Toronto, Canada)  
*“Associations of maternal weight gain with feeding practices and children’s weight-related behaviors”*
Steward, Kayla (Dr. Virginia Wadley, Mentor)
National Academy of Neuropsychology (NAN) Conference (Austin, TX)
*12 Month Recovery of Medical Decision Making Capacity Following Traumatic Brain Injury*

Womble, Bret (Dr. Edward Taub, Mentor)
Rehabilitation Psychology 2015 (San Diego, CA)
*Development of functional movement and increased ventilator independence in an initially motor complete tetraplegic patient using Constraint-Induced Biofeedback therapy (CIBT)*

**Service to the Program, Department, University and Profession:**

- Ammons, Carla
  - Volunteer, Kulture City autism fundraising event
  - Participated as UAB Neuropsychology student team member, Walk to End Alzheimer's

- Beattie, Julia
  - Race-day volunteer, Walk for Autism and 5K Race to Solve the Puzzle
  - Volunteer, Autism Society of Alabama Autism Shines Gala
  - Volunteer, McWane Science Center Brain Awareness Week
  - National Campus Representative, APA Division 54 (Society of Pediatric Psychology)

- Bednarz, Haley
  - Participant as UAB Neuropsychology student team member, Walk to End Alzheimer's

- Bolden, Lauren
  - Volunteer, McWane Science Center Brain Awareness Week
  - Community Service and Outreach Co-Chair, Civitan Research Club
  - UAB Co-representative, National Association of Neuropsychology Students in Training

- Bulls, Hailey
  - Campus Co-representative, APA Division 38 (Health Psychology) Student Advisory Council

- Burgess, Emilee
  - Judge, Ost Undergraduate Research Competition

- Campbell, Kelsey
  - Volunteer, McWane Science Center Brain Awareness Week
  - Volunteer, Protect Your Brain @ Revolution Bike Parade
  - Volunteer, Research Civitan Club Community Service and Outreach on the UAB Green
  - Volunteer, Research Civitan Club Community Service and Outreach, Center for Community Outreach Development (CORD) Summer Camp Outreach Event
  - Volunteer, Research Civitan Club, Science Outreach at Oliver Elementary School
  - Volunteer, Research Civitan Club, Silent Art Auction for the UAB Center for Pediatric Onset Demyelinating Diseases MS & NMO Kid’s Summer Camp
  - Co-chair, Research Civitan Club Community Service & Outreach
  - Volunteer and Poster Judge, Center for Community Outreach Development (CORD) Student Poster Session

- Galindo, Juliette
  - Web presence re-design team member and webmaster, Society for Clinical Neuropsychology (APA Division 40)
  - Communications Officer, Association of Neuropsychology Students in Training (ANST)

- Hayes, Lauren
  - Volunteer, UAB Safe Zone Program

- Henry, Samantha
  - Volunteer English as a Second Language instructor, UAB School of Education
Herbert, Matthew
- Reviewer, Annals of Behavioral Medicine
- Reviewer, Journal of Affective Disorders

Jagielski, Christina
- Planning committee member, COPE psychoeducational and parent training outreach program, Jefferson County Board of Health & 16th Street Baptist Church
- Campus Representative, APA Division 38 (Health Psychology)
- Student Representative, UAB Medical-Clinical Psychology Coordinating Committee

King, Vinetra
- Organizer and Facilitator, UAB Text Talk Act Mental Health Awareness Event

Koch, Sarah
- Student Advisory and Development Committee Member, American Academy of Pediatric Neuropsychology

Lassen Greene, Caroline
- Participant, Walk to End Alzheimer’s, Alzheimer’s Association
- UAB Campus Co-Representative, APA Division 22 (Rehabilitation Psychology) Student Leadership Network

Lebersfeld, Jenna
- UAB Civitan-Sparks Trainee Liaison, Association of University Centers on Disabilities (AUCD)
- UAB Civitan-Sparks Trainee Volunteer, Autism Day at the Barons Baseball Game
- Graduate Student Volunteer, Autism Shines Gala
- Graduate Student Representative, UAB Medical Clinical Psychology Coordinating Committee

Lemelman, Amy
- Volunteer, Alabama Autism Society's Autism-Friendly Birmingham Baron's Baseball game

Leonczyk, Caroline
- Participant, 3-day Disability Policy Seminar training for policy and advocacy for individuals with disabilities, Washington, DC
- Advocacy for funding for disability programs and training programs, Alabama State Senate
- Editorial assistant, Child Psychiatry and Human Development
- Abstract reviewer, 2016 APA Convention, Division 33 (Individual and Developmental Disorders / Autism Spectrum Disorders)
- Workshop leader, “Administering the PEERS social skills program”, UAB Civitan-Sparks Clinics
- Presenter, “Working with Hospitalized Individuals with ASD”, Children’s of Alabama Pediatric Blood and Marrow Transplant Program faculty and staff

Lynch, Mary
- Reviewer, Journal of Pediatric Psychology Junior Mentoring Review Program
- Campus Representative, American Psychological Association Division 54 (Society of Pediatric Psychology)
- Campus Representative, Pain in Child Health Training Consortium
- Teaching Assistant, PY 488 Pediatric Psychology

O’Neill, Jilian
- UAB Representative, American Academy of Pediatric Neuropsychology Student Advisory and Development Committee

Passler, Jesse
- Student Representative, UAB Medical-Clinical Psychology Coordinating Committee

Shepard, Desti
- Volunteer, Alabama Autism Society’s Autism-Friendly Birmingham Baron’s Baseball game
- Volunteer, Youth First “Obesity” Expo
Wells, Hayley
- Volunteer Organizer and Collaborator, Sibling Saturdays Workshops for siblings of individuals with autism spectrum disorder and cancer

Womble, Brent
- Member, APA Division 22, (Rehabilitation Psychology) 2016 Conference Task Force

**Community Service:**

Beattie, Julia
- After school science presenter, UAB Comprehensive Neuroscience Center at Oliver Elementary School

Campbell, Kelsey
- Co-chair, Research Civitan Club Community Service & Outreach

Gowda, Anjali
- Founder, Psychoeducational and parent training outreach program, Jefferson County Board of Health & 16th Street Baptist Church

King, Vinetra
- Volunteer Vacation Bible School teacher, Bethel Baptist Church, Birmingham, AL
- Session Leader, Birmingham City Schools Safe Community Youth Focus Group
- Student Coordinator, Community Outreach Psychoeducation Program (COPE), Birmingham, AL
- Contributor/Collaborator, My Brother’s Keeper, Birmingham, AL

Leonczyk, Caroline
- Organized Sibling Saturdays, a community outreach program for siblings of children with autism spectrum disorders

Swanson, Marissa
- Volunteer Dog Walker, Greater Birmingham Humane Society
Lifespan Developmental Doctoral Program

21 Graduate Students enrolled during the 2015 calendar year:

2015 – 2016 School Year
Adams, Jonathan
Bishop, Haley Johnson
Bell, Tyler
Burgess, Benjamin (Edwin)
Cetinkaya, Pinar
Clesi, Christian
Guo, Jinhong
Henry, Meredith
*Ledger, Sarah E.
Maximo, Jose Omar
McManus, Benjamin
Neumeier, William
Orihuela, Catheryn
Pope, Caitlin Northcutt
Sartin, Emma
*Shen, Jiabin
Stenger, Bethany
Thye, Emma
Vincent, Danielle
Wittig, Shannon

2015 School Year (Incoming Students)
Burgess, Benjamin “Edwin”
Thye, Melissa
Orihuela, Catheryn
Sartin, Emma

*Indicates graduated in the 2015 calendar year

What were the department’s major accomplishments for Graduate education last year?

Doctorates Awarded – 2
Leger, Sarah Edwards  (August)
“Assessing Changes in Social Status and Behavior Problems in Preschool Children with Autism Spectrum Disorders (ASD) After Exposure to a Peer-Mediated Social Skills Intervention”
Dr. Fred J. Biasini, Chair (Department: Psychology)

Shen, Jiabin
“A Randomized Trial Evaluating Child Dog-Bite Prevention in Rural China Through Video-Based Testimonials”
Dr. David C. Schwebel, Chair (Department: Psychology)

Master’s Awarded - 2
McManus, Benjamin J. (December)
“Effects of Vigilance on Driving Performance in Commercial Motor Vehicle Drivers”
Dr. Despina Stavrinou, Chair (Department: Psychology)

Wittig, Shannon Michelle Oram (August)
“Examining the Relationship between Driving Styles of Teen Drivers and their Parents”
Dr. Despina Stavrinou, Chair (Department: Psychology)

Research and Scholarship: Publications and Conference Presentations
In 2015, the Lifespan Developmental Psychology graduate students authored / co-authored:
- 16 distinct peer-reviewed journal publications and book chapters
  - For 5 of these papers (31%), the student was first author
- 53 distinct conference presentations
  - For 35 of those presentation (66%), the student was the first author

Of 17 students who continued in the program in 2015 (i.e., excluding those who joined the program this year):
- 5 students (29%) published at least one paper in a peer-reviewed journal.
- 5 students (29%) published two or more papers in peer-reviewed journals.
- 11 students (65%) presented or co-authored a conference presentation
- 10 students (59%) presented or co-authored two or more conference presentations

See Appendix C for a complete list.
Grants
Research Grants:

Bishop, Haley Johnson
Funding Source: U.S. Department of Transportation, Federal Highway Administration
Type: Dwight David Eisenhower Transportation Fellowship Program
Title: Understanding and Preventing Motor Vehicle Crashes around Social and Non-social Hazards Among Adolescent Drivers with Autism Spectrum Disorders
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Total Project Funding: $ 11,000

Funding Source: Civitan International Research Center, UAB
Type: Whit Mallory Research Fellow Award
Title: Understanding and Preventing Motor Vehicle Crashes around Social and Non-social Hazards Among Adolescent Drivers with Autism Spectrum Disorders
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Project Budget Period: 10/01/2014 – 5/2017
Total Project Funding: $25,000

Funding Source: American Psychological Foundation (APA)
Type: Lizette Peterson-Homer Memorial Injury Research Grant
Title: Understanding and Preventing Motor Vehicle Crashes around Social and Non-social Hazards Among Adolescent Drivers with Autism Spectrum Disorders
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Total Project Funding: $5,000 direct costs

Additional Individual Grants Applied for in 2015:

Bishop, Haley Johnson
Funding Source: U.S. Department of Transportation, Federal Highway Administration
Type: Dwight David Eisenhower Transportation Fellowship Program
Title: Haley Johnson – Dwight D. Eisenhower Transportation Fellowships for the Behavior Sciences
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Project Budget Period: 09/01/2015 – 08/31/2016
Total Project Funding: $ 37,800

McManus, Benjamin
Funding Source: U.S. Department of Transportation, Federal Highway Administration
Type: Dwight David Eisenhower Transportation Fellowship Program
Title: Benjamin McManus – Dwight D. Eisenhower Transportation Fellowships for the Behavior Sciences
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Project Budget Period: 09/01/2015 – 08/31/2016
Total Project Funding: $ 37,800

Pope, Caitlin Northcutt
Funding Source: U.S. Department of Transportation, Federal Highway Administration
Type: Dwight David Eisenhower Transportation Fellowship Program
Title: Caitlin Pope – Dwight D. Eisenhower Transportation Fellowships for the Behavior Sciences
Role: Principal Investigator (Dr. Despina Stavrinos, Mentor)
Project Budget Period: 09/01/2015 – 08/31/2016
Total Project Funding: $ 37,800
Thye, Melissa
Funding Source: National Science Foundation Graduate Research Fellowship Program
Title: A Multimodal Neuroimaging Investigation of the Resting Brain
Role: Principal Investigator (Dr. Rajesh Kana, Mentor)
Project Budget Period: 09/01/17 – 09/01/20
Total Project Funding: $34,000 (for three years), plus tuition and fees

Vincent, Danielle Lorch
Funding Source: NIH
Type: Ruth L. Kirschstein Natioonal Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)
Title: Attentional Bias to Body and Food Stimuli in Eating Disordered Females
Role: Principal Investigator (Dr. Krista Casazza, Mentor)
Project Budget Period: 09/01/15 – 08/31/17
Total Project Funding: $ 86,240

Honors and Awards (Including scholarship and fellowship awards)

Bell, Tyler
1. Winner at the Comprehensive Center for Healthy Aging Symposium ($250)
2. Honored as Member of Alpha Chi (Limited to the top 10% of an institution’s Juniors, Seniors, and Graduate Students) 2013 - Present
3. Honored as Member of Phi Kappa Phi (Limited to the top 10% of Senior class) 2013 - Present

Bishop, Haley Johnson
1. University of Alabama Autism Conference Scholarship ($150)
2. University of Alabama Annual Southeast Regional ADHD Conference Scholarship ($400)
3. Psi Chi Unrestricted Graduate Travel Grant ($1,015)

Henry, Meredith
1. Student and Early Career Representative on the Teach Committee, and member of the Student Early Career Council (SECC) Term: 4 years (2015 to 2019)
2. Society for Research in Child Development, Graduate Student Travel Award ($300)
3. UAB Graduate School Center for the Integration of Research, Teaching, and Learning (CIRTL) Tuition Scholarship

Maximo, Jose Omar
1. Third Place, Data Blitz Session – 4th Annual UAB & Auburn Brain Imaging Retreat
2. Ford Foundation Predoctoral Fellowship – Honorable Mention
3. Diversity Travel Award – International Meeting for Autism Research (IMFAR) ($1,000)
4. UAB Graduate School Individual Fellowship Incentive Program Award – Spring 2015
5. UAB Graduate Student Government Travel Award – Spring 2015
6. UAB Department of Psychology Study Away Scholarship – Spring 2015 India

McManus, Benjamin
1. First Place Presentation, 2015 UAB Graduate Student Research Exchange. The useful field of view assessment predicts simulated commercial motor vehicle driving performance.
2. First Place Presentation, 2015 UAB Ost Undergraduate Research Competition. Differential Impact of Personality Traits on Distracted Driving Behaviors in Teen and Older Drivers.

Neumeier, William
1. American Psychological Association Travel Award ($300)
2. First place, UAB Graduate Student Research Days
3. Slected for oral presentation at the American College of Sports Medicine’s Annual Meeting
Sartin, Emma
1. Recipient, UAB College of Arts & Sciences Graduate Fellowship

Thye, Melissa
1. Recipient, UAB College of Arts & Sciences Graduate Fellowship

Trinh, Eva
1. Equity and Diversity Enhancement Program Fellowship: UAB Office of Equity and Diversity; $23,000 annually; August 2012 – July 2015
2. Dean’s Merit Scholarship; UAB School of Public Health; $3,016 for tuition; Birmingham, AL; August 2015-Spring 2017
3. UAB Graduate School Center for the Integration of Research, Teaching, and Learning (CIRTL) Tuition Scholarship; Tuition for 4 credit hours of CIRTL courses, Fall 2015
4. International Meeting for Autism Research (IMFAR) 2015 Early Workshop Travel Award; International Society for Autism Research; $200 One-Time Travel Award; Salt Lake City, UT; May 2015
5. UAB Psychology in India Travel Award; UAB Department of Psychology; $1000 One-Time Travel Award; Birmingham, AL; May 2015
6. Poster Presentation Award at 27th Annual Simpson-Ramsey Symposium, Birmingham, AL, 2015

Vincent, Danielle Lorch
1. UAB School of Public Health Maternal and Child Health Training Grant Award
2. UAB Graduate School Center for the Integration of Research, Teaching, and Learning (CIRTL) Tuition Scholarship

Wittig, Shannon
1. UAB Graduate School Center for the Integration of Research, Teaching, and Learning (CIRTL) Tuition Scholarship
2. Graduate Student Government Senator

**What are your plans for the coming year as they relate to:**

**Graduate curriculum:**
Although no changes are anticipated, we do require each student to turn in an activity report at the end of each term. This report is used to review the student’s progress and to review the current curriculum for possible issues that need to be addressed.

**Graduate student awards outside the department**
- Every other year, Dr. Ball teaches PY 710, Contemporary Issues. In this class students are given a didactic overview of grant funding mechanisms (F31 and NSF). The class will be taught during the 2016-2017 academic year. However, the Department of Psychology Business Officer has provided the current students with any help needed during 2015.
- We will continue to advertise existing Graduate School and Department of Psychology incentives for pursuing external funding, and seek additional ways to encourage more students to seek this funding.
- We will continue to encourage and support student travel to scientific and professional conferences to present posters and podium talks that make them eligible for student-level awards and honors.

**Student recruitment:**
- We updated and enhanced our web page since that is a prime target for prospective developmental psychology graduate students. We also anticipate attending regional and national conferences that will give us the opportunity to attract top applicants to the LDPP.
- We will continue to involve research mentors in our admissions process by
  - Encouraging students to name, at the point at which they apply, 1-3 research mentors in our program with whom they share interests
Soliciting feedback from potential mentors on applicants who meet admission committee thresholds
- Ensuring that all students invited to interview meet with potential mentors during the interview process
- Including feedback from potential mentors at both initial application review and final ranking for offers

- We will continue and expand efforts to recruit students from diverse backgrounds. In particular, we will:
  - Continue proactive efforts, in particular mailings and invited campus visits, to recruit African-American and other minority students to apply to our program.
  - Advertise, through links on our website, enhanced funding available through the Office of the Vice President for Equity, Diversity and Inclusion.

Research Productivity:
- Through the Department of Psychology, we will continue to facilitate travel to scientific conferences contingent on presentation of posters and podium talks.

Other Program Accomplishments and “Bragging Points”

Research and Graduate Education:
- Students: A complete list of the 21 students who were enrolled in the Lifespan Developmental Psychology Doctoral Program during all of part of 2015 appears at the top of this program’s report. By the end of the year,
  - 2 students had graduated and accepted post-doctoral fellowships or academic/research positions.
  - 4 new students entered the program
  - No students left the program for any reason other than graduation (0% attrition)
  - 19 students continued in the program with the intention of remaining in residence throughout 2016.

- Research Productivity:
  - Developmental doctoral graduate students published 16 distinct peer-reviewed journal publications and book chapters in 2015.
    - Published articles/chapters include 5 student first authorships and 8 total student authorships
  - Developmental doctoral graduate students presented 53 distinct conference posters and presentations in 2015, excluding those presented at local or student events.
    - Conference presentations include 10 student first authorships.
    - On average, our graduate students continue to present 2-3 conference papers per year based on UAB research.

Globalization:
- The program now had four international students: Jinhong Guo and Jiabin Shen (China), Pinar Alp Cetinkaya (Turkey), and O. Jose Maximo (Mexico). We continue to attract applications from other countries each year.
- Eva Trinh participated in a "Maternal Methylmercury Exposure through Rice Ingestion and Offering" study in China with Dr. Biasini during 2015.
- Eva Trinh and Jose Maximo participated in the Psychology UAB Study Abroad Program to India

Student Advising:
- Students are required to complete an activity report at the end of each term. The report is reviewed and approved by their mentor, where their individual progress is discussed prior to being turned in to Dr. Biasini, Program Director. The forms are then reviewed by Dr. Biasini.
- Once a year, the LDPP Admissions Committee meets and reviews the progress of each student to ensure the program benchmarks are being met.

Recruitment of New Lifespan Developmental Students for 2016 (4 New students, including 1 minority student):
- In the fall of 2015, we received 14 applications for admission for the Fall 2016 term.
- This cohort of applicants included a record number of individuals whose grades and GRE scores exceeded our “soft” threshold: GPS 3.5 or higher; GRE verbal and quantitative percentiles of 67 and 50 or higher.
- Students admitted for Fall 2016 are:
  - Jenni Rouse
  - Celine Atkins
  - Wesley Browning
William Wagner

- Once again our incoming class is highly qualified.
  - Their mean undergraduate GPA was 3.6 and 2 of the applicants had a Master’s degree.
  - As usual, all incoming students have pre- and/or post-baccalaureate research experience.

Additional bragging points: Media coverage
Maximo, Jose O.
   [link]
   [link]
   [link]

2015 Department of Psychology Graduate Student Travel Grants ($400 each):
Bell, Tyler R. (Dr. Michael Crowe, Mentor)
Annual Convention of the American Psychological Association (Ontario, Canada)
Cognitive decline and incident depression symptoms in older Hispanic adults with diabetes

Bishop, Haley Johnson (Dr. Despina Stavrinos, Mentor)
7th Annual Southeast Regional ADHD Conference (Orange Beach, AL)
(a) Presence and Severity of Autism Symptoms in Individuals with and without ADHD
(b) Slower Social Hazard Reaction Time in Teen Drivers with and without ADHD

Neumeier, William H. (Dr. Fred Biasini, Mentor)
American Psychological Association Annual Convention (Toronto, Canada)
No significant effects of high vs moderate intensity training on mood and quality of life

Shen, Jiabin (Dr. David Schwebel, Mentor)
2015 Society for Research in Child Development Biennial Meeting (Philadelphia, PA)
Children’s temperament predicts pedestrian crashes in virtual reality environment

Trinh, Eva (Dr. Fred Biasini, Mentor)
International Meeting for Autism Research (IMFAR) (Salt Lake City, Utah)
Parent feeding practices of picky eating children with and without autism spectrum disorder

Service to the Program, Department, University, Profession and Community:
- Mitchell’s Place, Inc. Birmingham, AL Junior Council Member/Volunteer. 2009-present
  - Providing individual attention and assistance to children with autism in an afterschool social skills program
  - Planning fundraising and autism awareness events for Mitchell’s Place and the Alabama Autism Society
- McWane Science Center: Brain Awareness Week Birmingham, AL Demonstrator
  - Instructing sheep brain and cow eye dissections for children
  - Demonstrating brain related activities to the public (miracle fruit, PTC paper, prism goggles, importance of protecting the brain, etc.)
- UAB Research Civitan Club Birmingham, AL
  - Newsletter Committee Aug. 2010-present
  - Newsletter graphic design and layout
  - Leading Civitan/UAB outreach and information booth at community events
- **Autism Speaks**
  - Birmingham, AL
  - Regional Grants Reviewer
  - November 2013-present
  - Reviewing applications for local and regional community grants made by Autism Speaks

- **Triumph Services – Life coaching for adults with developmental disabilities**
  - 2012-present

- **Walk Now for Autism Speaks, Alabama**
  - Fundraising walk held by Autism Speaks. Tent to provide information about therapy, research, and services available at the University of Alabama at Birmingham Comprehensive Neuroscience Center and Sparks Clinics in Birmingham, Alabama. October 2013-present

- **Brain Awareness Week**
  - UAB’s one week program to raise scientific motivation to children at McWane Science Center. Lead sheep brain dissection session and various perceptual activities. March 2013-present

- **JCCEO Head Start**
  - Fall 2012-present

- **Civitan/Sparks Clinics**
  - Newborn Follow-up Clinic with the Department of Pediatrics – infant / toddler evaluations. On-going.

**Community Service Activities:**

Bell, Tyler
1. Judge for UAB Department of Psychology John W. P. Ost Undergraduate Research Competition
2. Judge for UAB Undergraduate Research Expo (Spring, Summer and Fall)
3. Volunteer for *Discoveries in the Making*, project for introducing research findings to the community (Fall 2015 – Present)
4. Member, Grade Grievance Committee (2013 – Present)
5. Chapter Secretary, Psi Chi (2013 – Present)
6. Professional Development Committee Member, UAB Graduate Student Government (2014 – 2015)
7. Parliamentarian Member of Executive Committee, UAB Graduate Student Government (2015 – Present)
8. Graduate Student Research Exchange

Bishop, Haley Johnson
1. Mentorship – UAB Undergraduate Students - UAB Translational Research for Injury Prevention Laboratory (TRIP Lab)
2. Mentored Journal Reviewer: *Journal of Pediatric Nursing; Journal of Adolescent Health; and Accident Analysis and Prevention*

Maximo, Jose Omar
1. Volunteer – 2015 Baron’s Baseball Team Autism Night

McManus, Benjamin
1. Mentorship – UAB Undergraduate Students - UAB Translational Research for Injury Prevention Laboratory (TRIP Lab)
2. Mentor – UAB Center for Community Outreach Development, Summer 2015

Neumeier, William
1. Early Career Representative for Bio-Behavioral Section of The Obesity Society
2. Research mentorship – UAB Undergraduate Psychology students who produced posters presented at local and regional meetings
3. Member of Team Red, White, and Blue – charity supporting Veterans
4. Volunteer – 2015 Baron’s Baseball Team Autism Night
Pope, Caitlin Northcutt
1. Ad-hoc journal reviewer: Accident Analysis and Prevention, Road Safety & Simulation, Geriatrics, Applied Cognition
2. Judge for UAB Undergraduate Research Expo
3. UAB Graduate Student Government – Psychology Senator, 10/2014-present
4. UAB Graduate Student Government Professional Development and Leadership UAB Committee, 11/2014-present
5. Mentorship – UAB Undergraduate Students - UAB Translational Research for Injury Prevention Laboratory (TRIP Lab)

Stenger, Bethany
1. Volunteer – UAB Department of Psychology Parenting Challenges with Kids (PaCK) Lab

Trinh, Eva
1. Mentorship – UAB Undergraduate Psychology Honors Program – Honors consultant
2. Event Point Person & Student Member – UAB MCH Student Association for Graduate Education (SAGE)
3. Treasurer & Fundraising Chair, UAB Psychology Graduate Student Association (PGSA), 2013 – 2015
4. Volunteer – Poverty Simulation hosted by Jefferson County Committee for Economic Opportunity, Department of Children’s Affairs
5. Volunteer Teaching Assistant – Mitchell’s Place, Center for children and families influenced by Autism Spectrum Disorders
6. Volunteer - Autism Day at the Birmingham Baron’s Game
7. Judge for the UAB Department of Psychology John W. P. Ost Undergraduate Research Competition

Wittig, Shannon
1. Judge for UAB Department of Psychology John W. P. Ost Undergraduate Research Competition
2. Judge for UAB Undergraduate Research Expo (Spring and Summer)
3. Volunteer – UAB Department of Psychology Parenting Challenges with Kids (PaCK) Lab
5. Mentorship – UAB Undergraduate Students - UAB Translational Research for Injury Prevention Laboratory (TRIP Lab)
6. Judge for UAB Fall Learning Service Expo
7. Judge for UAB Graduate Student Research Days
8. Mentorship – UAB Undergraduate Students - UAB Translational Research for Injury Prevention Laboratory (TRIP Lab)
Behavioral Neuroscience Doctoral Program

19 Graduate Students enrolled during the 2015 calendar year:
2015 – 2016 School Year

Allen, Lauren  Griffis, Joseph  Stevens, Carl
*Besing, Rachel  Harnett, Nathaniel  Timberlake, Matthew
Biles, Mandy  Lewis, Eleanor  Totsch, Stacie
Burge, Wesley  Nelson, Eric  Waite, Megan
Cadena, Elyse  Osborn, Mary Katherine  Wheelock, Muriah
DeRamus, Thomas  *Paul, Jodi  Zhang, Yue
Goodman, Anthoni  Schoonover, Kirsten

2016 – 2017 School Year (Incoming Students)

Bell, Kristina  Devereux, Marguerite  Dudley, Megan
Duesman, Samuel  Lechtreck, Maria  Nair, Sangeeta
Overstreet, Demario  Strath, Larissa  White, David

* Students who graduated in 2015

What were the department’s major accomplishments for Graduate education last year?

Doctorates Awarded – 2

Besing, Rachel (May)
“GSK3 Modulation of Rhythmic Molecular Clock Gene Expression, Neurophysiological Function, and Memory”
Dr. Karen Gamble, Chair (Department: Psychiatry-Behavioral Neurobiology)

Paul, Jodi (December)
“GSK3 Regulation of Suprachiasmatic Neuronal Excitability and Light Entrainment”
Dr. Karen Gamble, Chair (Department: Psychiatry-Behavioral Neurobiology)

Master’s Awarded - 0

Research and Scholarship: Publications and Conference Presentations

In 2015, the Behavioral Neuroscience graduate students authored:
• 22 distinct peer-reviewed journal publications and book chapters
• 36 distinct conference presentations

See Appendix C for a complete list.

Grants

Research Grants:

Burge, Wesley
Funding Source: National Eye Institute
Title: Primary visual cortex plasticity following central vision loss
Budget Period: August 24, 2015 - August 4, 2017
Total Funding: $43,120

DeRamus, Thomas
Funding Source: Weatherstone Fellowship
Title: Multimodal Neuroimaging based Classification of Autism...
Budget Period: July 1, 2015 – June 30, 2016
Total Funding: $60,000
Additional Individual Training Grants Applied for in 2015:

NIH National Research Service Awards (F31s):
Totsch, Stacie (April, December 2015)
Waite, Megan (April 2015)

NSF Graduate Research Fellowship Program:
Biles, Mandy (October 2015)

Ruth L. Kirschstein National Research Service Award
Griffis, Joseph (October 2015)
Harnett, Nathaniel (September 2015)

Honors and Awards
Burge, Wesley
- UAB Graduate Research Days – 2nd Place Oral Presentation

DeRamus, Thomas
- International Meeting for Autism Research (IMFAR) Diversity Student Travel Award

Cadena, Elyse
- Equity and Diversity Enhancement Program (EDEP), Pre-doctoral fellowship (2013-Present)

Harnett, Nathaniel
- National Science Foundation: Graduate Research Fellowship – Honorable Mention
- John Harcourt Scholarship
- Comprehensive Minority Faculty and Student Development Program (CMFSDP), Pre-doctoral Fellowship (2013-Present)

Lewis, Eleanor
- Golden Key International Honor Society

Osborn, Mary Katherine
- University of Alabama at Birmingham Center for the Integration of Research, Teaching, and Learning (CIRTL) Teaching Scholarship

Timberlake, Matthew
Equity and Diversity Enhancement Program (EDEP), Pre-doctoral fellowship (2013-Present)

What are your plans for the coming year as they relate to:

Graduate curriculum:
- The core content of BN courses 753 and 793 was completely updated in 2015.
- Update BN core courses: Neuroscience research technologies have changed vastly in the last decade to include modern molecular, optogenetic and brain imaging technologies. All core courses are being updated to reflect modern technology in neuroscience, and integrate this technology with traditional areas of behavioral neuroscience such as learning and animal behavior.
- Add new courses: Because the number of BN faculty decreased significantly in the last decade, the program was unable to offer courses in many essential areas of behavioral neuroscience. Students had to take courses in other departments or the medical school for these content areas. However, many of these courses were not oriented toward the needs or backgrounds of BN students. As the department is recruiting new faculty to replace those lost by attrition, we are developing new courses in modern areas on BN. These benefit not only the graduate students and their mentors research programs, but also impact undergraduate instruction as well.
**Student recruitment:**
- We will continue to develop and update our website to communicate with and attract interested and highly-qualified students to our program.
- At national meetings we will continue to engage in outreach efforts to regional and national universities.
- We will strengthen the quality of research mentors in our program, and maintain contact with students throughout their tenure at UAB through annual meetings with the director and required weekly seminars for all students.
- We admit highly-qualified students who do not at the time of application have to commit to a single faculty mentor. This has been an extraordinarily attractive aspect of our program in recruiting.
- **We will continue our successful efforts to recruit students from diverse backgrounds by advertising, through links on our website, available funding through the Office of the Vice President for Equity and Diversity, and by recruitment of students through our relationships with Historically Black Colleges and University in Alabama and neighboring states.**

**Bragging Points:**

**Student Quality**
The BN program continues to select from the applicant pool high quality students as indicated by high GRE scores, grades and motivation. We have had outstanding success in having virtually every admitted student finish with a Ph.D., virtually all of which were mentor or training grant supported throughout their UAB tenure.

**Publications**
Virtually all BN students publish an abstract every other year. Most, in addition to the 2-3 publications for their dissertation, are co-authors on several other publications during their tenure at UAB.

**Careers**
The vast majority of BN graduate students advance to postdoctoral or research associate positions in high quality labs pursuant to careers as principle investigator scientists.

**Student Advising**
We maintain a strong program of advising for all students. By the end of the Spring term of the first year, each student has a faculty research mentor with whom he or she works closely on an ongoing basis. This individual’s expertise is supplemented by that of the thesis and/or dissertation committees, which are appointed by the program director at appropriate times as the student's research training progresses.

**2015 Department of Psychology Graduate Student Travel Grants ($400 each):**

- Harnett, Nathaniel (Dr. David Knight, Mentor)
  Annual Meeting of the Society for Neuroscience (Chicago, IL)
  *Racial Differences in the Emotional Response to Aversive Threat*

- Stevens, Carl (Dr. Maria Hopkins, Mentor)
  Association for Psychological Science (New York, New York)
  *S.A.M. (social animated machine): A custom-made robot for use I ASD interventions*

- Totsch, Stacie (Dr. Robert Sorge, Mentor)
  Spring Pain and Annual Scientific Meeting (Palm Springs, CA)
  *Behavioral and physiological effects of poor diet in mice*

- Waite, Megan (Dr. Robert Sorge, Mentor)
  Spring Pain and Annual Scientific Meeting (Palm Springs, CA)
  *Behavioral and physiological effects of a newly-developed sub-optimal American diet (sad) in rats*

- Wheelock, Muriah (Dr. David Knight, Mentor)
  Society for Neuroscience (Chicago, Illinois)
  *Structural and functional connectivity associated with the neuroendocrine response to acute psychosocial stress*
Service to the Program, Department, University and Profession:
DeRamus, Thomas

Griffis, Joseph
- UAB Psychology Graduate Student Association Committee - August 2013-Present

Schoonover, Kirsten
- Chair for session of 5 scientists and 100 attendees at the Neural Conference, UAB - June, 2015

Community Service:
Griffis, Joseph
- Brain Awareness Week, McWane Center, Birmingham, AL - March 2015

Osborne, Mary Katherine
- Southeastern Diabetes Education Services Educator - October 2015-present

Schoonover, Kirsten
- Henry J Oliver Elementary School - scientific outreach to the community for the purpose of educating young children in neuroscience. May, 2015
- Brain Awareness Week - scientific outreach to the community for the purpose of educating young children and adults in neuroscience. April, June, 2015.
- UAB Neuroscience Roadmap Scholars – 2015-Present
Goal Area 3: Research/Scholarship/Creative Achievement

Psychology Faculty

What were the department’s major accomplishments in research last year?

- The Department of Psychology submitted 93 new grant applications last year totaling $70,088,394 in which the PI was a Psychology faculty member. This is a more than twice the amount requested in 2014. The department had 27 grants funded with a department faculty as PI, receiving $5,582,515 total dollars. Others which were submitted in 2015 have subsequently been awarded in 2016 and some additional applications are still pending. Of the awards received in 2015 $4,918,558 were federal, $276,735 were state, $338,300 were foundations and $17,031 was industry. We currently have 13 faculty members who are PI on at least one grant and 20 faculty members who receive some salary support from an external grant. (See Appendix D for individual grant information.)

- With respect to publications, the faculty published 1 book and 123 peer reviewed papers, in addition to 4 book chapters and other publications. 72% of our faculty published in 2015. Those who did not were primarily administrative (Sloane and Tucker with only 5% effort in the department) primarily clinical (Guest and O’Kelley with only 20% in the department), or primarily teaching (Hopkins, Gampher, Kennedy). In addition, 20 faculty served on one or more Editorial Boards and/or grant review panels. Conference papers/published abstracts totaled 151.

### UAB Psychology Metric

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<td>NIH Award Dollars</td>
<td>$2,088,532</td>
<td>$2,289,550</td>
<td>$1,328,167</td>
</tr>
<tr>
<td>Number of NIH Funded Investigators</td>
<td>8</td>
<td>7</td>
<td>6</td>
</tr>
</tbody>
</table>

Please see Appendix D for a list of faculty publications, presentations, awards, and service.
What are your plans and goals for the coming year as they relate to:

Enhancing productivity and visibility in your discipline

- We will continue to increase our collaborations across and outside of campus.
- We will continue to encourage and reward research and scholarly activity.
- We will host an international conference on Pain Research in 2016.
- We will work to develop a new Center for Pain Research at UAB and begin to compete for larger infrastructure funding.
- We will work to develop a new Center for the Advancement of Brain Fitness at UAB, including a cost center, and begin to compete for larger infrastructure funding.
- We have done several things to enhance the visibility of the department in 2015. These include:
  - The design of a departmental brochures on targeted research programs
  - A quarterly newsletter sent to alumni and friends
  - Promotional course flyers
  - Promotional flyers for the department and graduate programs
  - Promotion of events on social media: facebook, twitter, and linkedin
  - Explore Psychology Day for recruitment purposes
  - Attendance at college wide events (attending and promoting within the department speakers, recruitment events, homecoming, etc.)
  - Slice Lunch Days +

Bragging Points

- Faculty research has garnered tremendous media attention. (A listing is provided behind the appendices)
- Our grant submissions more than doubled in 2015 relative to 2014.
- Our grant expenditures exceeded 6 million in 2015.
- Publications increased from 98 in 2014 to 123 in 2015.
- The number of Psychology faculty on Editorial Boards and grant review panels doubled (from 10 in 2014 to 20 in 2015).
- Grants submitted in 2015 are now beginning to hit (CNIHR and R01 grants for Burel Goodin, David Schwebel R01, Michael Crowe R21, Zina Trost Nielson grant, and potentially Despina Stavrinos R01 (right at the funding line).
**Goal Area 3: Research/Scholarship/Creative Achievement**

**Post Doctoral Fellows**

Wheeler, Pariya Fazeli (Mentor Karlene Ball)
Funding Source: National Institute on Aging / NIH / DHHS
Title: A Novel Neurorehabilitation Approach for Cognitive Aging with HIV
Total Funding: $80,466

Funding Source: National Institute on Aging / NIH / DHHS
Title: A Novel Neurorehabilitation Approach for Cognitive Aging with HIV
Total Funding: $131,141

Pariya has accepted a tenure track position in Nursing at UAB. The R00 phase of her project will be conducted in our Center for Research on Applied Gerontology.

LaRita Jones (Mentor Sylvie Mrug)
Funding Source: National Institutes of Health Research Supplement to Promote Diversity in Health-Related Research
Title: Explaining racial disparities in internalizing disorders
Total Funding: $179,511

LaRita also has a pending F32 application

Adam Goodman (Mentor David Knight)
Adam is paid 100% from Dr. Knight’s R01. An F32 application is pending

James Goodlad (Mentor Fred Biasini)
James is paid 100% on Dr. Biasini’s MCH Lend grant and from clinical funds

Luke Parkitny (Mentor Jarred Younger)
Funding Source: International Association for the Study of Pain
Title: Use of Naltrexone to Reduce Inflammation and Improve Gait in Older Adults
Total Funding: $48,000

Luke has a pending K99 submission on which Jarred Younger is the proposed mentor.

Joanne Lin (Mentor Jarred Younger)
Funding Source: Dr. Younger’s DoD and NIH grants
Joanne has pending Neurological Foundation of New Zealand, as well as R21 applications

Whitney Smith (Mentor Bulent Turan)
Whitney is currently supported on existing grants and is preparing F32 and other fellowship applications

Levita Bui (Mentor Laura Stoppelbein)
Funding Source: Glenwood

Kimberly Wood (Mentor David Knight)
Funding Source: Knight R01 and UCEM T32 grant.
**Goal 4: Community Outreach and Service**

**Department of Psychology Faculty**

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Percentage</th>
<th>Title/Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amthor, Frank</td>
<td>100%</td>
<td>teach</td>
</tr>
<tr>
<td>Ball, Karlene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biasini, Fred</td>
<td>80%</td>
<td>clinical</td>
</tr>
<tr>
<td>Boggiano, Mary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clay, Olivio</td>
<td></td>
<td></td>
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<tr>
<td>Cook, Edwin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crowe, Michael</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gamphner, Eric</td>
<td>100%</td>
<td>teach</td>
</tr>
<tr>
<td>Goodin, Buret</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guest, Kristi</td>
<td>80%</td>
<td>clinical</td>
</tr>
<tr>
<td>Hopkins, Maria</td>
<td>100%</td>
<td>teach</td>
</tr>
<tr>
<td>Kana, Rajesh</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kennedy, Bridgett</td>
<td>100%</td>
<td>teach</td>
</tr>
<tr>
<td>Knight, David</td>
<td></td>
<td></td>
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<tr>
<td>McFarland, Carl</td>
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<td>Emeritus</td>
</tr>
<tr>
<td>Milby, Jesse</td>
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<td>Emeritus</td>
</tr>
<tr>
<td>Mrug, Sylvie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O’Kelley, Sarah</td>
<td>80%</td>
<td>clinical</td>
</tr>
<tr>
<td>Rodriguez, Christina</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schwebel, David</td>
<td></td>
<td>Assoc. Dean</td>
</tr>
<tr>
<td>Sloane, Michael</td>
<td>95%</td>
<td>Admin</td>
</tr>
<tr>
<td>Sorge, Robert</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stavros, Despina</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoppelbein, Laura</td>
<td>80%</td>
<td>clinical</td>
</tr>
<tr>
<td>Taub, Edward</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trost, Zina</td>
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<td></td>
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<tr>
<td>Tucker, Diane</td>
<td>95%</td>
<td>Admin</td>
</tr>
<tr>
<td>Turan, Bulent</td>
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<td></td>
</tr>
<tr>
<td>Uswatte, Gitendra</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Younger, Jarred</td>
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</tr>
</tbody>
</table>

**What were the department’s major accomplishments as they relate to the following:**

Individual faculty activities in this area are listed in **Appendix D**.

Our faculty are all highly visible in department, CAS, & University committees and Centers including:

- Admissions committees
- Search committees
- Directors/Associate directors of Centers
- Faculty Senate
- CAS P&T

In addition, they are active in offsite activities including:

- Officers in Professional Societies
- Service on Editorial Boards
- Working with the media
- Paper reviews
- Grant reviews
- State councils
- Scientific Advisory Boards
- Community Service

- Our graduate students & faculty completed more than 100 clinical practica during 2014, providing clinical psychology services to adults and children in a wide range of settings including the Civilian/Sparks clinics, the Birmingham VA Medical Center, Spain Rehabilitation Center, the Departments of Psychiatry and Neurology (inpatient and outpatient services), Children’s of Alabama, several settings providing substance abuse and mental health treatment for the homeless, Glenwood/Mitchell’s Place autism treatment facilities, and several community-based independent practices. We estimate that over the course of the year our students spent 5,000 – 6,000 hours providing direct services to clients and patients while gaining clinical skills that translate and consolidate knowledge gained from their research and classroom instruction.

**What are your plans for the coming year:**

- The Chair will work with the CAS Development office to pursue donors and to increase awareness of our department to key community members.
- We will increase the involvement of our Alumni in departmental events.
The Department Chair's Professional Development

What were your major accomplishments for your professional development last year?

Teaching
- In 2015 I taught a graduate course in which I cover a diverse set of topics related to being a graduate student and how to succeed. This course is one credit hour each semester (Fall, Spring, and Summer). This includes how to select a mentor(s), how and why we need to publish (selecting the right journal, how to navigate PubMed Central, how to submit papers online, etc.), IRB issues and how to write an IRB protocol, ethics, how to navigate the Commons at NIH, and how to prepare an F31 fellowship application.
- In 2015 I served as a mentor for two psychology graduate students, two junior faculty members, and two neuroscience students.
- In 2015 I served as the primary mentor for Pariya Fazeli on her K99 award. Her project entails examining the impact of cognitive training, combined with TCDS in older adults who are HIV+.
- In spent a great deal of time in 2015 mentoring faculty and encouraging them to submit grant applications.

Research and publication
- In 2015 I was an author on 1 publication, following 4 in 2014, and 11 in 2013. I currently have another in press which was written in 2015.
- In 2015 I submitted a major multi-site clinical trial entitled “RCT of Interventions to Reduce Crash Risk in Older Drivers with Cognitive Decline.” This was submitted to NIA under the RFA Phase III Clinical Trials for the Spectrum of Alzheimer’s Disease and Age-Related Cognitive Decline. Total Costs: $12,645,453.

My ACTIVE grants in 2014:
1. Roybal Center for Translational Research on Aging and Mobility (P30) PI (renewed)
2. Deep South Resource Center for Minority Aging Research (P30) PI of Investigator Devel. Core
3. Predicting Long-Term Mobility Outcomes for Older Adults (R01) PI

- I will also have effort on a newly funded R01 with David Vance as PI in 2016. This project will be run in our Roybal Center and contribute to Psychology IDC as well. Pariya Wheeler, as mentioned above, will also provide IDC as she runs the R00 phase in our Center, as well as Virginia Wadley (Associate Director) who is conducted her R01 in Center space.

Service (other than department chair duties)
- I am a Center Director (since initial P50 Roybal Center funding in 1993)
- I am an Assoc. Director of the University Wide Comprehensive Center for Healthy Aging
- I serve on the Executive Committee for the Comprehensive Neuroscience Center
- I serve on the Executive Committee for the ICEM
- I serve on the Executive Committee for the COERE
- I reviewed 10 papers for potential publication
- I am on the Editorial Board of the Journal of Gerontology
- I chaired 3 P01 reviews for NIA
- I spend a good deal of time working with the media
- I served on the Scientific Advisory Board of Posit Science

What are your plans and goals for your professional achievement for the coming year?
- I have plans to expand our Roybal Center in new directions
- I will continue to work on the development of a new cost center
- I intend to be more involved in raising money for the Department of Psychology
- I will continue publishing, speaking, mentoring and applying for grant funding
- I will continue to work toward improving the Dept. ranking through increased extramural funding, and increased scholarly productivity.
- I will continue to mentor and serve as an advocate for the faculty and students in the Psychology Department.
BIOGRAPHICAL SKETCH

NAME: Karlene K. Ball

eRA COMMONS USER NAME (credential, e.g., agency login): BALLKK

POSITION TITLE: University Professor

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>YEAR(s)</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indiana University</td>
<td>B.A.</td>
<td>May 1974</td>
<td>Psychology</td>
</tr>
<tr>
<td>Northwestern University</td>
<td>M.S.</td>
<td>Aug 1977</td>
<td>Psychology</td>
</tr>
<tr>
<td>Northwestern University</td>
<td>Ph.D.</td>
<td>June 1979</td>
<td>Psychology</td>
</tr>
<tr>
<td>Northwestern University</td>
<td>Postdoc</td>
<td>1979-</td>
<td>Psychology</td>
</tr>
</tbody>
</table>

A. Personal Statement:
The proposed study, “RCT of Interventions to Reduce Crash Risk in Older Drivers with Cognitive Decline,” will investigate the impact of two proven cognitive intervention programs, both alone and in combination, on everyday function with an emphasis on driving outcomes. In addition, training effects will also be evaluated on neural function (fMRI) pre and post training and biomarkers will be evaluated with respect to predicting performance changes. I am a University Professor and Endowed Chair in the Department of Psychology at UAB with secondary appointments in the Department of Neurobiology, the Vision Science Research Center, and the Evelyn F. McKnight Brain Institute. I have served as the Director of the UAB Roybal Center since 1993, and also serve as Associate Director of the UAB Comprehensive Center for Healthy Aging. I was one of the site PIs for the ACTIVE clinical trial from 1996 to completion of the project, and have been actively involved in the development and evaluation of cognitive training interventions since 1980. I have extensive experience working on large multi-site longitudinal projects looking at the impact of cognitive interventions on both cognitive and everyday function, with an emphasis on driving. This proposed intervention study is a natural extension of my work evaluating the impact of cognitive training on a broad array of outcomes, including underlying neural mechanisms. I will serve as one of a team of three Principal Investigators on the proposed project, working with multiple co-investigators and study personnel on study design, data collection, and dissemination of results.

B. Positions and Honors:

Employment

- Aug. 1984 - Aug. 1986: Assistant Professor, Dept. Psychology, Western Kentucky University
- Aug. 1986 - June 1990: Associate Professor, Dept. Psychology, Western Kentucky University
- July, 1990 - April 1996: Professor, Dept. Psychology, Western Kentucky University
- Sept., 1993 – April 1996: Director, Center for Research in Applied Gerontology
- May, 1996 - Present: Professor, Dept. Psychology, College of Arts and Sciences, UAB
- Director, Roybal Center for Translational Research on Aging and Mobility, College of Arts and Sciences, UAB
- Associate Director, Comprehensive Center for Healthy Aging (formerly the Center for Aging)
July 1996 – Present  Senior Scientist, Vision Science Research Center, School of Optometry Dean’s Office, UAB
May 1999 – Present  Senior Scientist, Center for Outcomes & Effectiveness Research and Education (COERE), School of Medicine Dean’s Office, UAB
Dec. 2008 – Feb. 2009  Interim Chair, Dept. Psychology, College of Arts and Sciences, UAB
Feb. 2009 - Present  University Professor, Dept. Psychology, College of Arts and Sciences, UAB
Chair, Dept. Psychology, College of Arts and Sciences, UAB
July 2010 – Present  Professor, Department of Neurobiology, UAB
April 2011 – Present  Senior Scientist, Center for Exercise Medicine, Academic Joint Depts., UAB
April 2012 – Present  Endowed Chair of Developmental Psychology, Dept. Psychology, College of Arts and Sciences, UAB
Nov. 2013 – Present  Senior Scientist, Comprehensive Neuroscience Center, School of Medicine Dean’s Office, UAB
June 2014 – Present  Senior Scientist, Center for Outcomes & Effectiveness Research and Education (COERE), School of Medicine Dean’s Office, UAB

Honors/National Offices
Phi Beta Kappa, 1974
Chair, Human Factors Technical Group on Aging, 1992-1993
M.E.R.I.T. award from the National Institute on Aging, 1994
Highway Safety Award, Nationwide Insurance, 1996
Fellow, American Psychological Association, 1997
Ireland Award for Scholarly Distinction, 2008
Chair, Transportation Research Board/National Research Council, 2006-2012

C. Contributions to Science
1. Since 1991 I have been involved in research to determine the bases for increased crash risk among older drivers. This contribution resulted from my expertise in the fields of vision, physical, and cognitive function, and how age-related changes in these abilities impact everyday life. The publications listed below are representative of a large body of work performed under the auspices of the UAB Edward R. Roybal Center for Translational Research on Aging and Mobility (P30 AG022838). This Roybal Center was initially funded in 1993 and has taken more basic research focused on age-related decline to field research carried out in Departments of Motor Vehicles and in studies done collaboratively with the insurance industry (e.g., State Farm and Allstate). By providing evidence, through multiple collaborative studies and publications on this topic, this body of work has changed common practices in the assessment of older drivers in many areas (licensing offices, insurance discounts, occupational therapy driving assessment programs, and commercial driving evaluations).

2. As part of the work described above, I and some of my collaborators developed the Useful Field of View Test. This measure of visuocognitive function is now used broadly in driving research, as well as to evaluate older adults, and other populations defined through disease (Parkinsons Disease, Multiple Sclerosis, AIDS, Schizophrenia) for fitness to drive. I participated as an author on multiple U.S. and foreign Patents related to driving assessment, and on several SBIR projects, to refine and evaluate this assessment tool. This measure is now used by Occupational Therapists, Optometrists and Ophthalmologists, Physicians, and Driving Assessment Clinics around the world.


3. The ramifications of a dementia diagnosis have been hotly debated relative to fitness to drive. In that area I have been a participant in an international effort to come to a consensus on dementia and driving. My work in this area has focused on an examination of crash records, developing scenarios for simulation studies, and measuring performance while participants are on the road in an instrumented car. As a result of this work we have concluded that a diagnosis of dementia is not sufficient to conclude an individual is unfit to drive, and that performance based measures of driving competence are a better indicator.


4. I have spent the majority of my career developing and evaluating cognitive training programs designed to improve the ability of older adults to perform the IADL and ADL tasks needed for them to remain independent. This work was initiated in my first R01 (Improvement of Visual Processing in Older Adults – R01 AG05739 – which received a MERIT Award, and was active from 1985 to
2012. The Speed of Processing Intervention I developed, along with my colleagues, was evaluated in the ACTIVE clinical trial (U01 AG014289), and shown to be robust in improving cognitive function. This intervention has also been shown to reduce the number of motor vehicle crashes among trained, as well as to reduce the need for driving cessation (which often leads to depression and isolation). This early work in cognitive training (beginning in 1979) has had an impact on research in this area and on the area of neural plasticity and aging.


5. As a result of developing interventions to improve cognitive and everyday function, I have also been involved in the development of new measures of everyday function. For example, the Life Space Questionnaire is a measure of the extent to which one has mobility (e.g., poorest is confined to bed; farthest is traveling outside of one’s country). The TIADL, which was a measure used in the ACTIVE clinical trial, evaluates how quickly an individual can perform various everyday tasks (such as making change, finding a food item on a cluttered shelf, or looking up a phone number).


The URL to a full list of my published work is: http://www.ncbi.nlm.nih.gov/sites/myncbi/karlene.ball.1/bibliography/41156173/public/?sort=date&direction=ascending

**D. Research Activities**

**Ongoing Research Support**

| P30 AG022838 (Karlene Ball, PI) | 09/1/2003 – 05/31/2019 |
Center for Translational Research on Aging and Mobility
The major goals of this project each to continue support for three cores, each designed to enhance the research infrastructure necessary to accomplish to objectives of the Center, and to support and promote translational research in the many affiliated Center research projects.

2 R01 AG021958 (K Ball, PI) 09/01/2006 – 01/31/16
Predicting Long-Term Mobility Outcomes for Older Adults
This project proposes to re-examine the original participants on a modified version of the screening battered administered five years later during their next license renewal cycle and to monitor, via telephone survey, the mobility of the entire sample over an additional three year period.

1 P30 AG031054 (R Allman, PI / K Ball, Investigator Development Core PI) 09/30/07 – 06/30/17
Deep South Resource Center for Minority Aging Research
This project will serve as research-based and mentoring investment in the process of closing the health disparities gap between African American and non-minority older adults, and increase the number of researchers with the capacity to conduct independent research related to minority aging and health disparities.

Completed Research Support

5 R01 AG005739-24 (Karlene Ball, PI) 09/01/06 – 07/31/11
Improvement of Visual Processing in Older Adults
The major goal of this project is to determine the underlying reasons for visual/perceptual problems in older adults, as well as to understand the mechanisms for improved performance with training.

2 U01 AG014289-10 (K Ball, PI) 09/30/96 – 04/30/12
ACTIVE Phase III: UAB Field Site
The project extends follow-up of old and very-old persons who have received cognitive interventions as part of ACTIVE (Advanced Cognitive Training for Independent and Vital Elderly).

R01 AG030425-01A2 (S. Cotton, PI) 01/15/09 – 12/31/13
Using ICT’s To Enhance Quality of Life Among Older Adults, An Invention Study
The purpose of this project is to use ICT’s to enhance the quality of life among older adults.

R01 AG030120-01 (C. Owsley, PI) 04/01/08 – 03/31/14
Older Drivers: An Evidence-Basis for Licensure Standards
The purpose of this project is to create evidence based driver license standards as applied to the elderly.

H133 A070039 (T. Novack, PI) 10/01/07 – 09/30/13
UAB Traumatic Brain Injury Model System (UAB TBIMS)
The purpose of this program is to maintain and improve the most cost effective, comprehensive service delivery system possible from the moment of injury across the life span for persons who incur a traumatic brain injury and to study the course of recovery and outcomes following the delivery of a coordinated system of care.

R12 AG040949 (K. Ball, PI) 07/01/11 – 06/30/12
Emerging Issues in Safe and Sustainable Mobility for Older Persons
The purpose .....

Virginia Polytechnic Institute and State University 09/23/11 – 06/22/12
Performance-Based Testing of Driving Skills/Capability
This project will (1) review the current literature regarding potentially increase crash risk among older commercial drivers, (2) determine the crash statistics of truck drivers by age group and (3) perform a meta-analysis to determine the most promising performance-based assessments as predictors of prospective crashes in older commercial drivers.
Curriculum Vita
KARLENE K. BALL

kball@uab.edu
bethany@uab.edu (personal assistant)

University of Alabama at Birmingham ♦ Psychology Department
Center for Translational Research on Aging and Mobility
Campbell Hall 415 ♦ 1300 University Boulevard ♦ Birmingham, Alabama 35294-1170

Office: (205) 975-2296, (205) 934-3542 ♦ Fax: (205) 975-2295

EDUCATION

Indiana University, B.A., May 1974, Psychology, Summa Cum Laude
Northwestern University, M.S., August 1977, Psychology
Northwestern University, Ph.D., June 1979, Psychology
Northwestern University, Post-Doc, 1979-1984, Psychology

EMPLOYMENT

June 2014 – Present  Associate Director, Center for Outcomes and Effectiveness Research and Education (COERE), UAB
November 2013 – Present  Senior Scientist, Comprehensive Neuroscience Center, School of Medicine Dean's Office, UAB
April 2012 – Present  Endowed Chair of Developmental Psychology, Psychology Department, College of Arts and Sciences, UAB
April 2011 – Present  Senior Scientist, Center for Exercise Medicine, Academic Joint Departments, UAB
July 2010 – Present  Professor, Neurobiology Department, UAB
February 2009 – Present  Chair, Psychology Department; College of Arts and Sciences, UAB
February, 2009 – Present  University Professor, Psychology Department; College of Arts and Sciences, UAB
Dec. 2008 – Feb. 2009  Interim Chair, Psychology Department, College of Arts and Sciences, UAB
May 1999 – Present  Senior Scientist, Center for Outcomes & Effectiveness Research and Education, School of Medicine Dean's Office, UAB
July 1996 – Present  Senior Scientist, Vision Science Research Center, School of Optometry Dean’s Office, UAB
May, 1996 – Present  Professor, Psychology Department; College of Arts and Sciences, UAB
May, 1996 – Present  Associate Director, Comprehensive Center for Health Aging (formerly the Center for Aging)
Sept. 1993-Present  Director, Roybal Center for Research on Applied Gerontology
July, 1990 - April, 1996  Professor, Psychology Department; Western Kentucky University
Aug. 1986 - June 1990  Associate Professor, Psychology Department; WKU
Aug. 1984 - Aug. 1986  Assistant Professor, Psychology Department; WKU
Aug. 1981 - Aug. 1984  Assistant Professor, Psychology Department; Trinity College
June 1979 - Aug. 1984  Post-doctoral fellowship: Dr. Robert Sekuler; Northwestern University
Sept. 1977 - June 1979  Research Assistant for Dr. Robert Sekuler; Northwestern University
June 1978 - June 1979  NIMH pre-doctoral training grant; Northwestern University
Sept. 1977 - June 1978  Research Assistant; Dr. Lois Elliott, Audiology Department
Sept. 1977 - June 1978  Department Teaching Assistant; Northwestern University
Sept. 1974 – June 1975  Administrative Assistant, Psychology Department; Indiana University

HONORS

Ireland Award for Scholarly Distinction, 2008
Fellow, American Psychological Association, Applied Experimental Psychology 1996
Nationwide Insurance Highway Safety Award, 1996
M.E.R.I.T. award from National Institute on Aging, 1994
University award for Research/Creativity, 1994
College award for Research/Creativity, 1994
College award for Research/Creativity, 1989
Phi Beta Kappa, 1974

FEDERAL GOVERNMENT PUBLIC ADVISORY COMMITTEES AND NATIONAL OFFICES

Chair, Transportation Review Board on Safe Mobility of Older Persons, ANB60 (2006 - 2012)

Member of the Transportation Research Board/National Research Council, 1992-2012
Committee on Safety and Mobility of Older Persons
Subcommittee on Basic Research Needs for Older Drivers
NIH Distinguished Editor’s Panel (July 2009)

Chair, Human Factors Technical Group on Aging, 1992-1993

Expert Panelist - Setting Commercial Driver Vision Standards

NIH Ad Hoc Reviews For HUD-2, VISP, SBIR, and Site Visit Reviews

Reviewer for Kentucky EpScore Programs (NSF and NIH)

NSF Ad Hoc Reviewer

National Academy of Sciences - Committee to study redesign of currency in U.S.

NIH Study Section - HUD2 (Human Development and Aging)

**PEER-REVIEWED JOURNAL PUBLICATIONS**


**FUNDING ACTIVITY**

**CO-INVESTIGATOR ON THE FOLLOWING PROJECTS – *Currently active projects in italics***

Using ICT’s To Enhance Quality of Life Among Older Adults, An Invention Study. NIH.
R01 AG030425-01A2  ($344,262)

April 1, 2008 – March 31, 2013 – Principal Investigator – C. Owsley
Older Drivers: An Evidence-Basis for Licensure Standards. Funded by NIH/CEI
R01 AG030120-01  ($250,000)

October 1, 2007 – September 30, 2012 – Principal Investigator – T. Novack
UAB Traumatic Brain Injury Model System (UAB TBIMS). Funded by NIDRR
H133A070039  ($434,399)

**September 30, 2007 – June 30, 2017 – Principal Investigator, R. Allman
K. Ball, Director of Investigator Development Core**

**Deep South Resource Center for Minority Aging Research. Funded by NIH ($484,496)**

October 1, 1997 - September 30, 1999 – Principal Investigator, C. Owsley
Multi-disciplinary clinic for older driver assessment Funded by UAB Health Services Foundation
($90,000)

September 1, 1997 - August 31, 1999 - Principal Investigator - C. Owsley
Co-investigator on Vehicle crashes, injuries and older drivers. Funded by NIA ($250,635)

April, 1, 1997 - March 31, 2000 - Principal Investigator - C. Owsley
Co-investigator on Self-regulation as a mechanism for improving the safety of older drivers. Funded by General Motors ($371,175).

July 1, 1989 - June 30, 1990 Principal Investigator – C. Owsley
Andrus Foundation Grant entitled "Aging, Driving, and the Useful Field of View." Co-Investigator with Cynthia Owlsley and Michael Sloane.  ($47,223)

**SBIR Funding – served as a co-investigator**

April 1, 2007- March 31, 2009  Awarded by NIA to Visual Awareness Research Group, Inc.
Principal Investigator, P. Keirn
Subcontract to UAB

April 1, 2006 – March 31, 2007 Awarded by NIA to Visual Awareness, Inc.
Principal Investigator, P. Keirn
“Development and Evaluation of an Interactive Cognitive Training Program. Phase I . $100,000
Subcontract to UAB

February 1, 2004 – January 31, 2006
National Institute on Aging, NIH (R44) “Development and Evaluation of a Brief UFOV Measure (Phase II).” Philip A. Keirn, Principal Investigator (CEO, Visual Awareness, Inc.) ($749,955, UAB subcontract $307,265)
September 1, 2003 – February 29, 2004
National Institute on Aging, NIH (R44) "Development and Evaluation of a Brief UFOV Measure (Phase I)." Philip A. Keirn, Principal Investigator (CEO, Visual Awareness, Inc.) ($99,807, UAB subcontract $33,164)

September 1, 2002 – February 28, 2003
National Institute on Aging, NIH (SBIR Phase I) “Educating Health Care Providers on Driving Competence.” Philip A. Keirn, Principal Investigator (CEO, Visual Awareness, Inc.) ($99,922)

March 1, 2001 - Feb. 28, 2003
Small Business Innovative Research Grant Phase II "Home Based Attentional Training for Older Adults. Co-Investigator with Philip Keirn (CEO, Visual Awareness, Inc.) ($750,000)

May 1, 2000 - Oct. 31, 2000
Small Business Innovative Research Grant was awarded by the National Institute on Aging entitled "Home Based Attentional Training for Older Adults." Co-Investigator with Philip Keirn (CEO, Visual Awareness, Inc.) ($100,000)

August 1, 1993 - June 30, 1996
Small Business Innovative Research Grant Phase II was awarded by the National Institute on Aging entitled "Perceptual Assessment/Improvement of the Older Driver. Co-Investigator with Daniel Roenker (VP Research & Development) ($500,000)

Feb. 1, 1992 - July 1, 1992
Kentucky Bridge Grant for the NIA Small Business Innovative Research Grant Program. ($30,000)

Small Business Innovative Research Grant was awarded by the National Institute on Aging entitled "Perceptual Assessment/Improvement of the Older Driver." Co-Investigator with Philip Keirn (President Visual Resources, Inc.) ($49,877)

PRINCIPAL INVESTIGATOR ON THE FOLLOWING PROJECTS

INITIAL GRANT AWARD

Jan. 1 1983 - Dec. 31, 1984
Small research grant 42 USC 241 42 CFR 52 awarded by the National Institute on Aging entitled "Effect of practice on visual activity as a function of age." ($15,000)

MERIT AWARD R01 AG005739

August 1, 1985 - March 31, 1989
Research grant #1-R01-AGO5739 was awarded by the National Institute on Aging entitled "Improvement of visual processing in older adults." ($350,000)

April 1, 1989 - March 31, 1994
Continuation of Research grant #1-R01-AGO5739 awarded by the National Institute on Aging entitled "Improvement of visual processing in older adults." ($800,000)
March 1, 1994 - February 28, 2004
Continuation of Research grant #1-R01-AGO5739 was awarded by the National Institute on Aging entitled "Improvement of visual processing in older adults." ($2,400,000 for first five year period) This grant received a M.E.R.I.T. award from NIH

October 1, 2006 - September 30, 2012
National Institutes of Health. Competing Continuation of Research grant #1-R01-AGO5739 "Improvement of visual processing in older adults."

**ROYBAL CENTER: P30 AG022838**

August 1, 1993 - June 30, 2003
Roybal Center for Research on Applied Gerontology. Improving Safety and Mobility for the Older Driver ($5,500,000). Initial 10 years were funded as a P50 award from NIA. Center director for field studies collaborating with UAB, The Johns Hopkins University, Bryn Mawr Rehabilitation Hospital, The Rehab. Institute of Chicago, Washington Univ. Medical School, The University of Iowa, Visual Resources, Inc., and Scientex, Inc.

September 20, 2003 – August 31, 2008
National Institute on Aging, NIH (P30) “Center for Translational Research on Aging and Mobility.” Roybal Center Continuation.($1,848,751)

September 1, 2009 – August 31, 2014
NIH (P30) “Center for Translational Research on Aging and Mobility”
Roybal Center Continuation ($1,826,189)

**September 30, 2014 – August 31, 2019**

*NIH (P30) “Center for Translational Research on Aging and Mobility”
Roybal Center Continuation ($1,431,045)*

**ACTIVE CLINICAL TRIAL: U01 AG014289**

Clinical Trial funded by the National Institute on Aging entitled "Cognitive Training and Everyday Competence in the Elderly.” ($2,200,000).

National Institute on Aging, NIH (U01) “ACTIVE Phase II: UAB Field Site” ($540,658)

May 1, 2008 – April 30, 2012
National Institute on Aging, NIH (U01) “ACTIVE Phase III: UAB Field Site” ($780,030)

**T32 – T32 AG000274**

June 1, 2000 – May 31, 2005
NIA T32 Training Grant entitled “Clinical and Behavioral Training in Gerontology” ($1,742,273)
May 31, 2005 – April 30, 2006
Continuation NIA Training Grant entitled “Clinical and Behavioral Training in Gerontology” Karlene Ball, Principal Investigator. ($1,742,273)

**Maryland – R01 AG021958**

September 1, 2003 – August 31, 2008
National Institute on Aging, NIH (R01) “Predicting Long-term Mobility Outcomes for Older Adults” ($1,907,537)

*February 15, 2010 – January 31, 2015*
*NIH (R01) “Predicting Long-term Mobility Outcomes for Older Adults”*  
($2,215,862)

**Miles Project – Alzheimer’s Disease Research Center (ADRC)**

May 1, 2004 – March 31, 2009

**R03 – R03 AG023078**

September 1, 2004 – June 30, 2006
National Institutes of Health, “Cognitive Training Gains and Mobility Outcomes in ACTIVE” R03 $145,000.

**CONFERENCE GRANT**

July 1, 2011 – June 30, 2012 – Principal Investigator – K. Ball
Emerging Issues in Safe and Sustainable Mobility for Older Persons
1 R12 AG040949-01 ($20,000)

**VTTI (Older Truck Driver’s) Subcontract**

23 September 2011 – 22 June 2012
Virginia Polytechnic Institute and State University  
“Performance-Based Testing of Driving Skills/Capability”  
$145,378
PRESENTATIONS

**Ball, K. & Sekuler, R. (1976).** *Detection of motion in two kinds of directional noise.* Presented at the annual meeting of the Psychonomic Society, St. Louis, MO.

**Sekuler, R. & Ball, K. (1977).** *Visibility of moving targets under direction and speed uncertainty.* Presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.

**Ball, K. & Sekuler, R. (1977).** *Directional selectivity: Tuning functions and discrimination performance.* Presented at the annual meeting of the Psychonomic Society.

**Sekuler, R. & Ball, K. (1978).** *Direction-selective masking by filtered noise.* Presented at the annual meeting of the Optical Society of America.

**Sekuler, R. & Ball, K. (1980).** *Models of motion perception with direction uncertainty.* Presented at the annual meeting of the Optical Society of America, Sarasota, FL.


**Ball, K., Phillips, G., & Sekuler, R. (1986).** *Improved spatial frequency discrimination related to acuity and age.* Presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.

**Ball, D., Ball, K., Miller, R., Roenker, D., White, D., & Griggs, D. (1986).** *Bases for expanded functional visual fields as a result of practice.* Presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.

**Ball, K., Beard, B., Roenker, D., & Miller, R. (1987).** *Modeling irregularities in the direction discrimination function.* Presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL.

**Ball, K. (1987).** *Modeling irregularities in the direction discrimination function with age.* Colloquium presentation for Vanderbilt University, Nashville, TN.

**Ball, K., Beard, B., Miller, R., & Roenker, D. (1987).** *Mapping the Useful Field of View as a function of age.* Presented at the annual meeting of the Gerontological Society, Washington, D.C.

**Ball, K. (1988).** *Neuronal basis of age-related visual decline.* Colloquium presentation for University of Alabama at Birmingham, Birmingham, AL.

**Ball, K. (1988).** *Age-related variations in peripheral information processing.* Colloquium presentation for Miami of Ohio.


**Ball, K. (1988).** *Clinical basis for the Useful Field of View in assessment of vision.* Colloquium presentation for University of Kentucky, Lexington, KY.


**Ball, K. (1989).** *Functional vision as related to driving performance.* Invited presentation for the NIH/DOT/CDC Workshop on the Older Driver, Bethesda, MD.


Ball, K. (1994). *Driving technology and the driving environment.* Presented at the annual meeting of the American Association of Homes and Services for the Aging.


Ball, K. (1996). *Driving and mobility at advanced ages.* Presented at the annual meeting of the American Association for the Advancement of Science.


Ball, K. (1996). Invited presentation to Enterprise, Inc. regarding the testing of employees for driving fitness.


Ball, K. (1997). Invited presentation to the Kentucky Association for Gerontology, Bowling Green, KY.


Symposium conducted at the annual meeting of the American Psychological Association, San Francisco, CA.


Ball, K. *Cognitive Training Symposium.* Speech given at NIA and now in preparation for a special issue with the institute.


Ackerman, M.L., Ball, K., & Edwards, J. (2007). Indicators of older adults’ self-rated driving ability. Poster accepted for presentation at the APS Annual Convention, Washington, DC.


Mathews, M., Roenker, D., Cissell, G., & Ball, K. (2009, November). Predicting age related changes in mobility and driving habits. Presented at the annual meeting of the Gerontological Society of America, Atlanta, GA.


Ball, K.K. (2010, March) The Senior Driver Research Project: Translating Research into Practice within the Community. Presentation at the Aging in America Conference, Chicago, IL.


Ross, L., Edwards, J., and Ball, K. (2011, September) Does Ten Hours of cognitive Training Maintain Driving in Older Adults? The Eye and The Auto Conference, Detroit, MI.

Ball, K. (2011, September) Interventions to Reduce Crash Risk in Older Drivers. The Eye and The Auto Conference, Detroit, MI.


Ball, K. Cognitive Training Enhances Real World Cognitive Outcomes. Symposium conducted at the 7th Annual McKnight Brain Institute Inter-Institutional Convention, Gainesville, FL, April, 2014.

Ball, K. Interventions to Reduce Crash Risk in Older Drivers. Symposium conducted at the 2014 Annual APA Convention, Washington, DC, August 2014


Ball, K. Cognitive Fitness and Impact on Driving Outcomes. The Eye, the Brain and the Auto International Conference 2015, Chicago, IL, September, 2015.

CONSULTANT

Current; Visual Awareness Research Group (formerly, Visual Awareness, Incorporated)

Ketron, Inc: Visibility from Vehicles Research contract funded by the National Highway Traffic Safety Administration.


Scientex, Inc: National Highway Traffic Safety Administration project to develop a "Model Driver Screening and Evaluation Program."

Army Research Labs: Visual Performance Measures in Remote Driving Applications

Johns Hopkins: School of Hygiene and Public Health - Effects of Aging on Driving in Older-Old Adults.

California Dept. of Motor Vehicles

Marinelli & Sauer - Expert Witness (Reducing visibility and crash involvement)

E.E.O.C. - Expert Witness Evaluation of School Bus Drivers and Other Commercial Drivers

Spain & Gillon - Expert Witness (Medical conditions and falls in the elderly)

American Association of Retired Persons

New England Research Institute

TransAnalytics, LLC

KRAFT Cognition Program

PROFESSIONAL SOCIETIES

Sigma Xi, April 1985 - Present
Association for Research in Vision & Ophthalmology, May 1985 - Present
Optical Society of America, July 1986 - Present
Gerontological Society of America, August 1986 - Present
Human Factors, Jan. 1990 - Present
Aerospace Medical Association, Jan. 1993 - Present
American Psychological Association, 1993 - Present
American Psychological Society, 1993 - Present
PROFESSIONAL SERVICE ACTIVITIES

Reviewer for the following journals:
- Human Factors
- Journal of the American Medical Association
- Journal of Gerontology
- Psychology & Aging
- Psychonomics Bulletin & Review
- Vision Research
- Neuropsychology
- Journal of the American Geriatrics Society
- Science
- Brain

Reviewer for the following granting agencies:
- NIH Distinguished Editor’s Panel (2009)
- NIH Reviews, HUD-2, VISB, SBIR, Various site visits, Various P01 reviews
- EpScore Programs (NSF and NIH)
- NSF Ad Hoc Reviewer

Member
- UAB Center for Exercise Medicine Steering Committee – May 2014 - Present
- External Advisory Committee, Center for Accessibility and Safety for an Aging Population, Florida State University, December 2013 – August 2014
- National Academy of Sciences – Committee to study redesign of U.S. currency
- UAB Injury Control Research Center, 1998 - Present
- Executive Committee of the UAB Center for Aging – 1996 - Present
- Steering Committee of the Southeast Center for Excellence in Geriatric Medicine - Present
- Steering Committee of the UAB Research on Outcomes Workgroups - Present
- Curriculum Committee, UAB Gerontology Education Program, 2000 - Present
- UAB Research Compliance Policies and Procedures Development Committee

Editor
- Transportation Research Record, 1998 – 2011

Editorial Board
- Journal of Gerontology, 2012 - Present

Moderator and Host
- Enhancing Mobility in the Elderly, An international conference jointly sponsored by the Center for Research on Applied Gerontology, Center for Aging, Southeast Center of Excellence in Geriatric Medicine, and the UAB School of Medicine, Division of Continuing Medical Education, October, 1999

Mentor of Junior Faculty projects:
- Richard Sims, M.D. School of Medicine, UAB
- David Grabowski, Ph.D. School of Public Health, UAB
- Josh Klapow, Ph.D. School of Social & Behavioral Sciences, UAB
- Victor, Mark, M.D. Rehab Medicine, UAB
- Cynthia Brown, M.D. School of Medicine, UAB
- Elizabeth Kvale, M. D. School of Medicine, UAB
- David E. Vance, Ph.D. School of Nursing, UAB
- Lesley A. Ross, Ph.D. College of Arts & Sciences, UAB
- Kristina Visscher, Ph.D. School of Medicine, UAB
- Olivio J. Clay, Ph.D. College of Arts & Sciences, UAB
- Michael G. Crowe, Ph.D. College of Arts & Sciences, UAB
Pre-Doctoral Trainees: Primary Mentor
1995 – 2001 Edwards, David
1995 – 2000 Edward, Jerri D.
1997 – 2004 Wood, Kimberly
2003 – 2007 Ross, Lesley A.
2003 – 2008 Ackerman, Michelle L.
2004 – 2009 Viamonte, Sarah B.
2005 – 2011 Kennedy, Bridgett Hill
2005 – 2007 South, Jamie
2009 – 2012 Dodson, Joan E.
2008 – 2012 Wheeler, Pariya L. Fazeli
2014 - Present Pope, Caitlin Northcutt
2014 - Present Bell, Tyler

Pre-Doctoral Trainees: Mentor
Lowery, Dan
Cooke, Patricia Taylor
Pierce, Chris
Dowler, Rachel
Putzke, John
Vance, David E.
Wessel-Blaski, Tricia
Chopko, Stephanie
Darling, Laurie Zebley
Barton, Ben
Clay, Olivio J.
Keener, Leslie
Gilbert, Katrina
Nelson, Kelli
Robinson, Christopher
Dube, Trina J.
Okonkwo, Ozioma
Marceaux, Janice
Webb, Nicole
Sartori, Andrea
O’Brien, Timothy
Kaur, Jaspreet

Postdoctoral Trainees:
(WKU) Beard, Bettina
(WKU) White, Duncan
(UAB) Scilley, Kay
1993 – 1998 Jackson, Gerory
2000 – 2003 Edward, Jerri D.
2001 – 2004 Vance, David E.
2004 – 2006 Crowe, Michael G.
2007 Ross-Meadows, Lesley A.
2008 - 2010 Ackerman, Michelle L.
2015 – Present Wheeler, Pariya L. Fazeli
<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Program</th>
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<tbody>
<tr>
<td>2014 – Present</td>
<td>Molleti, Radha Ramyasree</td>
<td>Behavioral Neuroscience Honors Program</td>
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<td>2014 – Present</td>
<td>Gaini, Meghana Sarawathi</td>
<td>Behavioral Neuroscience Honors Program</td>
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# APPENDIX A  
## 2015 Undergraduate Graduates

### Bachelors of Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Graduation Year</th>
<th>Honors</th>
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<tbody>
<tr>
<td>Ackerman, Elizabeth M</td>
<td>Summer 2015</td>
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<td>Addy, Charon M</td>
<td>Spring 2015</td>
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<td>Al-Kahlout, Yasmin O</td>
<td>Spring 2015</td>
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<td>Armand, Nickolas D</td>
<td>Spring 2015</td>
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<tr>
<td>Ata, Anooshah Ejaz</td>
<td>Summer 2015</td>
<td>Magna Cum Laude</td>
<td>With University Honors</td>
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<tr>
<td>Atchison, Paul Andrew</td>
<td>Summer 2015</td>
<td>Magna Cum Laude</td>
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<td>Barcal, Amber Faith</td>
<td>Fall 2015</td>
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<td>Barcelli, Maya Francesca</td>
<td>Spring 2015</td>
<td>Magna Cum Laude</td>
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<tr>
<td>Barghi, Ameen</td>
<td>Spring 2015</td>
<td>With Univ Honors in Sci &amp; Tech, Summa Cum Laude</td>
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<tr>
<td>Bayer, Joseph K</td>
<td>Summer 2015</td>
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<td>Bevelle, Ashley O</td>
<td>Spring 2015</td>
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<td>Bojorquez, Yessenia C</td>
<td>Spring 2015</td>
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<td>Brasfield, Ashlie E</td>
<td>Spring 2015</td>
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<td>Brown, Tashee L</td>
<td>Spring 2015</td>
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<td>Browning, Wesley Ryan</td>
<td>Fall 2015</td>
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<td>Bryan, Jeremy</td>
<td>Spring 2015</td>
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<td>Burgess, Ciara O</td>
<td>Fall 2015</td>
<td>Cum Laude</td>
<td>With University Honors</td>
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<tr>
<td>Campbell, Tiffany M</td>
<td>Fall 2015</td>
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<td>Campis, Alexandria M</td>
<td>Fall 2015</td>
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<td>Carter, Dorothy M.</td>
<td>Spring 2015</td>
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<td>Cashon, Jonathan Adam</td>
<td>Fall 2015</td>
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<td>Chamblee, Melissa J</td>
<td>Summer 2015</td>
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<td>Chamoun, Danielle Christine</td>
<td>Spring 2015</td>
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<td>Champion, Victoria R</td>
<td>Fall 2015</td>
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<td>Chang, Jennifer Chongping</td>
<td>Spring 2015</td>
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<td>Chitwood, Grace M</td>
<td>Summer 2015</td>
<td>Cum Laude</td>
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<tr>
<td>Chriesman, Jessica L</td>
<td>Summer 2015</td>
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<td>Clark, Steven Hunter</td>
<td>Spring 2015</td>
<td>Cum Laude</td>
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<td>Coffman, Alec Cheng</td>
<td>Summer 2015</td>
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<td>Cole, Erika B</td>
<td>Summer 2015</td>
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<td>Coleman, Kasey T</td>
<td>Spring 2015</td>
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<td>Collier, Canissius J</td>
<td>Summer 2015</td>
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<td>Combs, Daniel</td>
<td>Spring 2015</td>
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<td>Cook, Tiffany E</td>
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<td>Cooley, Anthony Scott</td>
<td>Spring 2015</td>
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<td>Cordes, Claire E</td>
<td>Spring 2015</td>
<td>Summa Cum Laude</td>
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</tbody>
</table>

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Daniel, Miah K  
Davis, Rachel E  
Dayal, Serena Henna  
DeFranco, Bethany Susan  
Dennis, Jasmine S  
Dilliapree, Joshua D  
Dixon, Christopher Warren  
Dorsett, Ashley R  
Draime, Kristina M  
Dunkerley, Jeffrey A  
Elliott, Adam C  
Elston, Amaris S  
Eubanks, Casey Robert  
Fant, Michael C  
Ferreira, Marissa Sherry  
Fitzpatrick, Tanner M  
Fong, Joann N  
Foster, Keaira A  
Fuhrman, Shauna C  
Fultz, Alexandria Hope  
Galanti, Deanna C  
Garmany, Kenya N  
Genelin, Sarah Baine  
Giddens, Juliana Y  
Ginn, Hillary Candace  
Gray, Jillian Y  
Gray, Rebecca A  
Green, Lauren E  
Hambrick, Tori D  
Hamilton, Jonathan P.  
Hammons, Madison N  
Hawk, Alexander B  
Hawkins, Jasmine N  
Hawkins, Robert Earl  
Hawkins, Savannah D  
Hegwood, Dallas Jordan  
Helms, Christopher B  
Hobbs, Tyler A  
Horton, Ashley Renae  
Howard, Alan  
Huguley, Valencia N  
Jackson, Katelyn Taylor  
Jackson, Katlyn M  
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With Univ Honors Experiential  
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Cum Laude  
Cum Laude, With University Honors  
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Magna Cum Laude  
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Magna Cum Laude  
With Univ Honors Global Comm/L  
Summa Cum Laude  
Magna Cum Laude  
With Univ Honors in Sci & Tech  
Magna Cum Laude
Jarrell, Ashley Michele  
Jefferson, Evelyn D  
Jinright, Kaci A  
Jones, Cory A  
Kaur, Akriti  
Kendrick, Carla D  
Kennard, Milan N  
Kerr, Rebekah Lynne  
Khan, Anas Uddin  
King, Anna M  
King, Elizabeth Lee  
King, Qituwrah J  
Knox, Jasmine S  
Krubinski, Kimberlee D.  
Kuehner, Jessica Lynn  
Landaverde, Glenda I  
Lawson, Sara Beth  
Lawson, Schuyler C  
Leslie, Jeremiah J.  
Lewis, Leah Nicole  
Long, Cybil A  
Lowe, Michelle R  
Maloy, Lydia J  
McCallum, Mariah J  
McCurnin, Kathryn M  
McEwan, Michael W  
McGee, Traci L  
McRae, Tommy R  
Meadows, Astardii E  
Mellott, Jennafer Noelle  
Michalak, Ian W  
Mikell, Kilee Ann  
Molzof, Hylton E  
Moore, Amelia Denise  
Morgan, Kenya  
Mullins, Maria C  
Murphy, Niya Leann  
Nasher, Amal M  
Nelms, Mekeia R  
Neugent, Hannah Malay  

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Summa Cum Laude  

With Univ Honors in Sci & Tech, Summa Cum Laude  
With University Honors  
With Univ Honors in Sci & Tech, Summa Cum Laude
Newsome, Anntasia M  
Nix, Grace Marie  
Ogle, Nicole L  
Oldham, Andrew D  
Oliver, Stefanie A  
Ortiz Olguin, Etzael  
Oshimatani, Makiko  
Osteen, Jessica B  
Pace, Crystal Dawn  
Parker, Alyssa Gayle  
Patel, Devika V  
Patel, Saajan P  
Patel, Shivani S  
Paul, Shejuti  
Paulukaitis, Brynna S  
Payne, Krishonna Antrice  
Pearson, Heather M  
Peters, Brittany L  
Pike, Kristine L  
Pittman, Candace N  
Quick, Jessica L  
Ravenel, Kyandra S  
Ray, Justin L  
Raybon, Alexis Brianna  
Remedies, Colton E  
Reveley, Charles N  
Roberts, Melanie M  
Robicheaux, Sara E  
Rodriguez, Alicia Victoria  
Romero, Hillary D  
Rowan, Jennifer Brooke  
Rutherford, Courtney D  
Sabghi, Nina  
Saling, Cayce T  
Sarter, Ashley L  
Schumann, Alan Price

Spring 2015
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Magna Cum Laude, With University Honors
With Univ Honors Experiential, Magna Cum Laude
With Univ Honors Experiential, Magna Cum Laude
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Cum Laude
Cum Laude, With Univ Honors Experiential
With Univ Honors Experiential, Magna Cum Laude
With Univ Honors Experiential, Magna Cum Laude
Magna Cum Laude
With Univ Honors in Sci & Tech, Summa Cum Laude
With Univ Honors Experiential, Summa Cum Laude
Magna Cum Laude, With Univ Honors in Sci & Tech
Cum Laude, With Univ Honors in Sci & Tech
Summa Cum Laude
Cum Laude, With University Honors
Magna Cum Laude, With Univ Honors in Sci & Tech
Scott, April L Fall 2015
Sewell, Eriel D Spring 2015
Shabani, Sina M Summer 2015
Shelton, Trey C Spring 2015
Sieck, Morgan Elizabeth Spring 2015 Cum Laude
Sigler, Le'Charles Spring 2015
Simanyi, Flora Summer 2015
Simpson, Ina Ilona Spring 2015
Sims, Tangee M Fall 2015
Smith, Jared A Spring 2015 Magna Cum Laude, With University Honors
Smith, Kiara L Spring 2015
Smith, Kristen L Spring 2015 With Univ Honors in Sci & Tech, Summa Cum Laude
Smyly, Franklin Aubrey Summer 2015
Snowden, Sylvia Anne Spring 2015
Squaire, Sandria J Summer 2015
Stasiak, Mariah E Spring 2015
Stephenson, Sarah Louise Spring 2015
Stott, Lauren R Spring 2015
Sumners, Dakota B Summer 2015
Swatzell, Sarah Elizabeth Fall 2015
Swint, Laura K Fall 2015 With Univ Honors Experiential, Magna Cum Laude
Tatum, Kayla Ashlee Spring 2015
Tenner, Zachary L Spring 2015 Magna Cum Laude
Terry, Sarah Caitlin Spring 2015 With Univ Honors in Sci & Tech, Summa Cum Laude
Terry, Sarah Caitlin Spring 2015 With Univ Honors in Sci & Tech, Summa Cum Laude
Thomas, Abbie E Spring 2015
Thornton, Margaret Irene Spring 2015
Threatt, Delecia C Fall 2015
Tidwell, Delissa Nicole Spring 2015
Tomkovich, Ashleigh M Spring 2015 With Univ Honors in Sci & Tech, Summa Cum Laude
Toney, Ariel L Fall 2015
Townsend, William Burke Spring 2015
Tsankova, Stefany Y Fall 2015
Turner, Eryka N Spring 2015
Valrie, Kendolyn R Fall 2015
Wagle, Anjali A Spring 2015 Magna Cum Laude, With University Honors
Wallace, Garrett A Spring 2015
Watkins, Briana M  
Wesson, Kendall M  
Whalen, Timothy J  
Whitaker, Katherine Elizabeth  
Wiggins, Breunna A  
Wilkins, Aerial M  
Williams, Chaundaya D  
Williams, Kerri L  
Wills, Stacy D  
Wilson, Cari N  
Woodman, Emma K  
Woods, Kirsten T  
Wormley, Brittney N

**Neuroscience**

Arps, Kara Marie  
Ata, Anooshah Ejaz  
Barghi, Ameen  
Cordes, Claire E  
Hamilton, Jonathan P.  
Howard, Alan  
Kaur, Akriti  
Khan, Anas Uddin  
Michalak, Ian W  
Nix, Grace Marie  
Paul, Shejuti  
Paulukaitis, Brynna S  
Remedies, Colton E  
Robicheaux, Sara E  
Schumann, Alan Price  
Smith, Jared A  
Smith, Kristen L  
Swint, Laura K  
Terry, Sarah Caitlin  
Tomkovich, Ashleigh M

**Spring 2015**

- With Univ Honors Global Comm/L, Magna Cum Laude
- Cum Laude
- With University Honors

**Summer 2015**

**Spring 2015**

**With Univ Honors Experiential, Summa Cum Laude**

**Magna Cum Laude, With University Honors**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**Summa Cum Laude**

**Magna Cum Laude**

**Magna Cum Laude, With University Honors**

**Magna Cum Laude**

**Magna Cum Laude, With Univ Honors in Sci & Tech, Summa Cum Laude**

**Magna Cum Laude, With Univ Honors in Sci & Tech**

**Magna Cum Laude, With University Honors**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**With Univ Honors Experiential, Magna Cum Laude**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**Fall 2015**

**With Univ Honors Experiential, Summa Cum Laude**

**Magna Cum Laude, With University Honors**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**Summa Cum Laude**

**Magna Cum Laude, With University Honors**

**Magna Cum Laude**

**Magna Cum Laude, With Univ Honors in Sci & Tech, Summa Cum Laude**

**Magna Cum Laude, With Univ Honors in Sci & Tech**

**Magna Cum Laude, With University Honors**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**With Univ Honors Experiential, Magna Cum Laude**

**With Univ Honors in Sci & Tech, Summa Cum Laude**

**With Univ Honors in Sci & Tech, Summa Cum Laude**
## APPENDIX B
### Graduate Program Student Placement Outcomes 2015

#### Behavioral Neuroscience Doctoral Program

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Degree Awarded</th>
<th>Placement post degree</th>
<th>Was this a new position or has the student been employed here during the degree program?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Besing, Rachel C</td>
<td>PHD</td>
<td>Assistant Professor of Psychology Brescia University, Owensboro, Kentucky</td>
<td>New</td>
</tr>
<tr>
<td>Paul, Jodi</td>
<td>PHD</td>
<td>Post-Doctoral Fellow-UAB Department of Behavioral Neurobiology</td>
<td>New</td>
</tr>
</tbody>
</table>

#### Lifespan Developmental Doctoral Program

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Degree Awarded</th>
<th>Placement post degree</th>
<th>Was this a new position or has the student been employed here during the degree program?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leger, Sarah E</td>
<td>PHD</td>
<td>Currently works as a Labor and Birth Doula She has applied for a management position with a Head Start program in Castle Rock, Colorado.</td>
<td>New</td>
</tr>
<tr>
<td>Shen, Jiabin</td>
<td>PHD</td>
<td>Post-Doctoral Fellow-Nationwide Children’s Hospital, Columbus, Ohio</td>
<td>New</td>
</tr>
</tbody>
</table>

#### Medical/Clinical Psychology Doctoral Program

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Degree Awarded</th>
<th>Placement post degree</th>
<th>Was this a new position or has the student been employed here during the degree program?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galindo, Juliette</td>
<td>PHD</td>
<td>Neuropsychology Post-Doctoral Fellow, Psychology, University of Oklahoma Health Sciences Center</td>
<td>New</td>
</tr>
<tr>
<td>Gardner, Molly A</td>
<td>PHD</td>
<td>Psychology Fellow, Children’s National Medical Center, Center for Cancer and Blood Disorders, Divisions of Hematology and Oncology, Washington D.C.</td>
<td>New</td>
</tr>
<tr>
<td>Herbert, Matthew S</td>
<td>PHD</td>
<td>Post-Doctoral Fellow, Center of Excellence for Stress and Mental Health (CESAMH), San Diego VA Medical Center</td>
<td>New</td>
</tr>
<tr>
<td>Murdaugh, Donna L</td>
<td>PHD</td>
<td>Postdoctoral Pediatric Neuropsychology Fellowship, Department of Neuropsychology, Children's Healthcare of Atlanta</td>
<td>New</td>
</tr>
</tbody>
</table>
### APPENDIX C

**Graduate Programs**

Please note that underlined names indicate previous Psychology graduate student, or current post-doc.

**Publications (collaborative across different graduate programs)**


**Medical/Clinical Psychology Program: Publications**


2. Boggiano, M. M., Wenger, L. E., **Burgess, E. E.**, Tatum, M., Morgan, P. R., Sylvester, M. D., & Morse, K. E. (2015). Eating tasty foods to cope, enhance reward, socialize or conform: What other psychological features describe each of these motives?. *Journal of Health Psychology, Advance online publication.*


**Lifespan Developmental Psychology Program: Publications**


International


National


Medical/Clinical Psychology Program: Conference Presentations and Published Abstracts

International


National


27. Kamimori G. H., LaValle C. R., Paech G., Johnson K., Banks S., **Dark, H. E.,** Eonta SE (2015, October). Performance on the Defense Automated Neurobehavioral Assessment Battery (DANA) and simulated driving performance over 50h of continuous wakefulness: Correlation between Neurocognitive and Operational Performance, Military Health System Research Symposium, (MHSRS), Ft Lauderdale, FL.


30. **Lassen-Greene, C. L.,** Okonkwo, O., Crowe, M. G., Ball, K., Marson, D. C., & Wadley, V. G. (2015, February). Mild cognitive impairment and everyday function: Longitudinal changes in speed versus...


34. **Lynch, M. K., & Avis, KT.** (2015, June). The relationship between positive airway pressure (PAP) adherence and quality of life in children with Obstructive Sleep Apnea Syndrome (OSAS). Poster presentation at SLEEP 2015, the 29th Annual Meeting of the Associated Professional Sleep Societies, Seattle, WA.


Knee Osteoarthritis. Poster presented at the 34th Annual Meeting of the American Pain Society, Palm Springs, CA.


Local


Lifespan Developmental Psychology Program: Conference Presentations and Published Abstracts

International


National


---

**Behavioral Neuroscience Psychology Program: Conference Presentations and Published Abstracts**

**National**


12. Schoonover, K.E., McCollum, L.C., Robert, R.C. (2015, October) Tyrosine hydroxylase, GAD67, vGLUT1, and vGLUT2 proteins in the substantia nigra in schizophrenia. Society for Neuroscience, Chicago, IL.


Local


22. Schoonover, K.E., McCollum, L.C., Robert, R.C. (2015, April) Tyrosine hydroxylase, GAD67, vGLUT1, and vGLUT2 proteins in the substantia nigra in schizophrenia. Comprehensive Neuroscience Retreat, UAB, Columbiana, AL

23. Schoonover, K.E., McCollum, L.C., Robert, R.C. (2015, April) Tyrosine hydroxylase, GAD67, vGLUT1, and vGLUT2 proteins in the substantia nigra in schizophrenia. Department of Psychiatry Annual Research Symposium, UAB, Birmingham, AL.

24. Schoonover, K.E., McCollum, L.C., Robert, R.C. (2015, June) Tyrosine hydroxylase, GAD67, vGLUT1, and vGLUT2 proteins in the substantia nigra in schizophrenia. NEURAL Conference, UAB, Birmingham, AL.

25. Schoonover, K.E., McCollum, L.C., Robert, R.C. (2015, October) Tyrosine hydroxylase, GAD67, vGLUT1, and vGLUT2 proteins in the substantia nigra in schizophrenia. Graduate Student Research Exchange, UAB, Birmingham, AL.


APPENDIX D
Faculty Scholarship, Research and Creative Performance in 2015

Publications in Peer Reviewed Journals or Equivalent Electronic Sites


70. Mrug, S., A. Tyson, B. Turan, and D.A. Granger, Sleep Problems Predict Cortisol Reactivity to Stress in Urban Adolescents. Physiol Behav, 2015


Book and/or Book Chapters


Book Editor


Conference Presentations and Published Abstracts


122. **Sorge, R. E.** (2015, November). *Sex and Gender Differences in Pain and Analgesia*. Talk presented to the Swiss Laboratory Animal Science Association, Lausanne, Switzerland.

123. **Sorge, R. E.** (2015, November). *Sex and Differences in Pain*. Talk presented to the Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland.


Explaining diabetes distress among African American and Caucasian older adults. 

Williams, I. C., Wike, A.*, Murray, L.**, Garner, A. *, Finley, S.**, Roth, T.*

Perceived injustice is associated with physical and psychosocial outcomes among individuals with spinal cord injury.

Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

symposium, “Examining Health Disparities among Older Adults with Diabetes.” R. Thorpe, Chair, at the 68th annual meeting of the Gerontological Society of America, Orlando, FL.


### Faculty on Grant Review Panels

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Position/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball, Karlene</td>
<td>Chair 3 P01 Reviews</td>
</tr>
<tr>
<td></td>
<td>SBIR Study Section Review</td>
</tr>
<tr>
<td></td>
<td>EpScore Program Reviews (NIH)</td>
</tr>
<tr>
<td>Clay, Olivio</td>
<td>Alzheimer’s Association International Research Grant Programs Review</td>
</tr>
<tr>
<td>Crowe, Michael</td>
<td>Ireland Health Research Board</td>
</tr>
<tr>
<td>Goodin, Burel</td>
<td>Department of Defense Congressionally Mandated Medical Research Program (CDMRP) – Gulf Ware Illness Innovative Treatment Evaluations Study Section</td>
</tr>
<tr>
<td>Knight, David</td>
<td>NIH: Social Psychology, Personality and Interpersonal Processes (SPIP) Study Section</td>
</tr>
<tr>
<td>Mrug, Sylvie</td>
<td>National Institutes of Health (NIH): Behavioral Genetics and Epidemiology (BGES) Study Section</td>
</tr>
<tr>
<td>Schwebel, David</td>
<td>Gulf States Health Policy Research Grants</td>
</tr>
<tr>
<td></td>
<td>Center for Injury Research and Policy, Nationwide Children’s Hospital, Exploratory Research Project Applications</td>
</tr>
<tr>
<td></td>
<td>Social Sciences and Humanities Research Council of Canada (SSHRC), Insight Grants</td>
</tr>
</tbody>
</table>

Page 118 of 124
Stavrinos, Despina  
CDC / NIOSH Center Grant Reviewer

Younger, Jarred  
NIH ME/CFS Special Emphasis Panel (Spring), Reviewer  
NIH ME/CFS Special Emphasis Panel (Summer), Reviewer  
NIH ME/CFS Special Emphasis Panel (Fall), Reviewer  
Department of Defense CDMRP Grant Program, Reviewer

<table>
<thead>
<tr>
<th>Faculty Holding Offices in Professional Organizations, Serving on Editorial Boards, &amp; Other Professional Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball, Karlene</td>
</tr>
<tr>
<td>2012 – Present</td>
</tr>
<tr>
<td>Editorial Board, Journal of Gerontology</td>
</tr>
<tr>
<td>Boggiano, Mary</td>
</tr>
<tr>
<td>2009 – Present</td>
</tr>
<tr>
<td>Scientific Advisory Board Member, Binge Eating Disorder Association (BEDA)</td>
</tr>
<tr>
<td>Clay, Olivio</td>
</tr>
<tr>
<td>2015 – 2018</td>
</tr>
</tbody>
</table>
| Associate Editor, *Ethnicity and Health*  
Behavioral and Social SciencesRepresentative to the Gerontological Society of America (GSA) Minority Issues in Gerontology Committee |
| Cook, Edwin                                                                                                    |
| 2007 – Present                                                                                                 |
| Finance Committee Member, Society for Psychophysiological Research                                          |
| 2012 – 2015                                                                                                    |
| Bylaws Committee Member, Society for Psychophysiological Research                                          |
| Goodin, Burel                                                                                                  |
| 2015 – 2017                                                                                                    |
| Vice Chair, American Pain Society, Shared Interest Group on Pain Disparities                               |
| Guest, Kristi                                                                                                  |
| 2012 – Present                                                                                                 |
| Participant, Sloan-C Online Teaching Certificate Program                                                     |
| Kana, Rajesh                                                                                                   |
| Associate Editor, *Frontiers in Human Neuroscience*  
Editorial Board Member, *Autism Research*  
Editorial Board Member, *American Journal of Autism*  
Editorial Board Member, *ISRN Neuroscience* |
| Knight, David                                                                                                  |
| 2007 – Present                                                                                                 |
| Editorial Board, *The Open Neuroimaging Journal*                                                            |
| Mrug, Sylvie                                                                                                   |
| 2012 – Present                                                                                                 |
| Associate Editor, *Journal of Early Adolescence*                                                            |
| 2015                                                                                                           |
| Article Editor, *Sage Open*                                                                                     |
| 2009 – Present                                                                                                 |
| Editorial Board, *Journal of Youth and Adolescence*                                                          |
| 2012 – Present                                                                                                 |
| Editorial Board, *Journal of Abnormal Child Psychology*                                                      |
| 2012 – Present                                                                                                 |
| Editorial Board, *Adiktologie*                                                                                 |
| 2015 – Present                                                                                                 |
| Editorial Board, *Adolescent Research Review*                                                                |
| Rodriguez, Christina                                                                                           |
| 2008 – Present                                                                                                 |
| Editorial Board, *Journal of Marriage and Family*                                                            |
| 2008 – Present                                                                                                 |
| Editorial Board, *Child Maltreatment*                                                                         |
| 2013 – Present                                                                                                 |
| Editorial Board, *Child Abuse and Neglect*                                                                   |
| 2015 – Present                                                                                                 |
| Editorial Board, *Journal of Child and Family Studies*                                                        |
| 2006 – Present                                                                                                 |
| APA Accreditation Site Visit Teams in Clinical Psychology, Member                                            |
| 2013 – 2015                                                                                                    |
| American Psychological Association Section on Child Maltreatment, Member-at-Large                             |
Schwebel, David
2004 – Present Editorial Board, *Journal of pediatric Psychology*
2008 – Present Editorial Board, *Journal of Injury and Violence Research*
2009 – Present Editorial Board, *Journal of Safety Research*
2015 – 2016 Co-Editor, Special Issue on Unintentional Pediatric Injury, *Journal of Pediatric Psychology*

Stavrinos, Despina
Transportation Research Board Committee on Operator Education and Regulation (ANB30), Appointment Member
2013 – Present Early Head Start Health Services Advisory Committee

Stoppelbein, Laura
2011 – Present Senior Associate Editor, *Child Psychiatry and Human Development*
2011 – Present Associate Editor, *Children’s Health Care*

Stang, Christianne
July 2015 – Present President-Elect, American Art Therapy Association

Taub, Edward
Associate Editor, *Frontiers in Neuroscience*
Associate Editor, *Restor Neurol Neurosci*
Editorial Board, *J Appl Psychophysical Biofeedback*

Trost, Zina
Consulting Editor, Annals of Behavioral Medicine
APA Division 38 (Health Psychology):
- Membership and Social Networking Committees
- Committee on International Relations in Psychology (CIRP) Liaison
- International Relations Committee: Diversity Council, Chair
- Early Career Council Member

American Pain Society:
- Communications Committee and Web Development Workgroup, Psychology Representative
- Scientific Programming Committee, Psychology Representative

APA Division 22 (Rehabilitation Psychology):
- Communications Committee

Younger, Jarred
Editorial Board Member, *Pain Medicine*
Editorial Board Member, *Frontiers in Psychiatry*

Service: Community

Amthor, Frank
Civitan Art Show, Participant

Boggiano, Mary
2008 – Present Overeaters Anonymous, Food Plan Sponsor

Clay, Olivio
2013 - 2016 Behavioral and Social Sciences Representative, Gerontological Society of Minority Issues in Gerontology Committee
Crowe, Michael
2015 Volunteer, PEER Senior Market Basket Day
2015 Abstract Reviewer, Gerontological Society of America 68th Annual Scientific Meeting

Gampher, Eric
2008 – Present Guest Speaker, Area high schools

Guest, Kristi
2002 – Present Central Alabama Early Intervention Training Committee
2012 – Present Central Alabama Early Intervention Executive Committee
2014 – Present Alabama’s Early Intervention Preschool Conference Planning Committee

Hopkins, Maria
2009 – Present Habitat for Humanity, Active Participant
2010 – Present Shades Valley Lutheran Church, Sunday School Teacher
2013 – Present Shades Valley Lutheran Church, Community Team Member
2013 – Present City of Birmingham’s Shadow and Executive Program, Mentor
2014 – Present Shades Valley Lutheran Church, Church Council Member
2014 – Present Homewood City Schools, Education Advisory Committee Member

Knight, David
Visual System & Function Lecture, Bluff Park Elementary, 4th Grade
Illusion Confusion Lecture, Oxford Elementary, 3 – 4th Grades

O’Kelley, Sarah
Alabama Interagency Autism Coordinating Council: Developmental Surveillance and Early Screening Workgroup, Work Group Leader
UA-ACTS (The University of Alabama Autism Spectrum Disorders College Transition and Support Program, Board Member
Alabama Autism Providers Network, Vice President
Alabama Autism Conference Planning Committee, Chair
Alabama Autism Society, Volunteer
Advisory Board for The Children’s Place at Huffman United Methodist Church, Chairperson

Schwebel, David
2013 – Present International Committee, Society for Pediatric Psychology, Member-at-Large
2015 – Present Highland School, Birmingham, AL, Board of Trustees

Stavrinos, Despina
2014 – 2015 2015 ADHD Conference Advisory Committee, Chair, Scientific Poster Session
2014 – 2015 2015 Southeastern University Transportation Regional Conference, Chair, Scientific Poster Session
2015, 2016 2016 ADHD Conference Advisory Committee, Chair: Scientific Poster Session
2015 – Present Birmingham Regional Coalition for the Alabama Strategic Highway Safety Plan

Younger, Jarred
Community Outreach Day
Anytreatment PCORI, Scientific Advisor
Service: Clinical

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoppelbein, Laura</td>
<td>Clinical Psychologist: Glenwood Autism and Behavioral Health</td>
<td></td>
</tr>
<tr>
<td>2011 – Present</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strang, Christianne</td>
<td>Art Therapist&lt;br&gt;Center for Eating Disorders (ACED)</td>
<td></td>
</tr>
<tr>
<td>2009 – Present</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taub, Edward</td>
<td>Taub Therapy Clinic, UAB, Director&lt;br&gt;Pediatric CI Therapy Clinic, Children’s of Alabama, Scientific Director&lt;br&gt;CI Aphasia Clinic, UAB, Scientific Director</td>
<td></td>
</tr>
</tbody>
</table>

Honors / Awards

<table>
<thead>
<tr>
<th>Name</th>
<th>Award</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay, Olivio</td>
<td>Fellow, Gerontological Society of America</td>
<td>2015</td>
</tr>
<tr>
<td>Kennedy, Bridgett</td>
<td>UAB Psi Chi Faculty of the Year Award</td>
<td>2015</td>
</tr>
<tr>
<td>Strang, Christianne</td>
<td>President’s Award for Excellence in Teaching</td>
<td>March 2015</td>
</tr>
<tr>
<td>Trost, Zina</td>
<td>John C. Liebeskind Early Career Scholar Award, American Pain Society</td>
<td>2015</td>
</tr>
</tbody>
</table>

Grants: Awards Active or Submitted in 2015

Detailed listings in back of binder.
APPENDIX E
Media in 2015

MEDIA RELATIONS EXCEL SHEET IN BACK OF BINDER.

Students

Barghi, Ameen

Nykanen, Brian Austin

Faculty

Amthor, Frank
1. Ginger Campbell podcast for Neurobiology for Dummies, 2015

Goodin, Burel
1. “RX for Optimism: Learn how to adjust your attitude – and ease your pain”, Arthritis Today, June 2015 (Page 22)

Kana, Rajesh
3. 

Sorge, Robert
2. “Research shows typical American diet can worsen chronic pain”, UAB News
3. “PATHWAYS TO PAIN: Discovery reveals differences in how the sexes process chronic pain”, UAB Magazine, Fall 2015
4. “Innovation & Development: Research finds males and females process chronic pain differently”, UAB News

Stavrinos, Despina
1. ABC 33/40 live interview about ADHD and driving (jan 2015)
2. ABC 33/40 in-lab interview on drivers with developmental disabilities (feb 2015)
3. ABC 33/40 live interview about new research study on autism and driving (feb 2015)
4. UAB Mix interview regarding naturalistic driving study (March 2015)
5. Fox 6 interview regarding TV falling and injury risk (May 2015)
6. Wallethub.com interview on teen driving issues (June 2015)
7. UAB Development regarding donation from Honda (June 2015)
8. HealthDay News regarding texting and walking (July 2015)
9. Dr. Oz Magazine, distracted driving (Dec 2015)
10. Fox 6 live interview to discuss Allstate Realty Ride and Distracted Driving

Taub, Edward


Tucker, Diane
1. “What works there that we can apply here?” *CAS Arts & Sciences, Fall 2015.*

Younger, Jarred
3. Pandora.org - Webinar