Evidence of service to the University, School and Department

I have provided continuous active service to the department, school and university while in rank. Service I have provided is shown within my CV beginning on page 27. I was a full-time faculty member within the **Department of Physical Therapy** until 2013 before I began splitting my time between roles as a faculty member and administrator (Associate Dean for Research [ADR]). I have served my department in both expected and unexpected capacities while in rank. Expected service performed included:

- Being the faculty advisor for 10-15 Doctor of Physical Therapy students per year within the department's student advising program (2004-2013).
- Being a member of the department's curriculum development committee which is responsible for the design and timing of the Doctor of Physical Therapy curriculum (2004–present).
- Providing input on student matriculation within the Doctor of Physical Therapy program (2004–present).
- Assisting in the preparation of the self-study for the upcoming Commission on Accreditation in Physical Therapy Education (CAPTE) visit for the accreditation of the Doctor of Physical Therapy program (2015–present).

Unexpected department service I performed while in rank included:

- Being the Director of Research in Physical Therapy—a non-remunerated role in which I guided faculty in their research endeavors, disseminated information on funding opportunities, and provided assistance with funding proposal development (2006–2013). I relinquished this role upon becoming the ADR within the school.
- Being the lead faculty contact for the anatomy component of the student mentoring program wherein I assisted the student mentors in this component of the program (2005–2013).

My service to the **School of Health and Rehabilitation Sciences** while in rank has primarily been centered on research leadership. I was appointed as interim ADR from 2010-13 and appointed as full ADR following a nationwide search. In my role as ADR, I have (for example):

- Developed policies to encourage and reward faculty in the obtaining external grants and contracts, including a salary incentive policy that rewards 10-month faculty who cover any of their academic salary through grants and contracts and a policy outlining the handling of indirect cost recovery dollars whereby 20% are now returned to principal investigators for discretionary use in furthering their research agendas.
- Developed an internal funding mechanism for pilot research projects.
- Actively recruited and negotiated the hire of new faculty members (Drs. Avin and Thompson) who had post-doctoral research training, emerging publication track records and preliminary success in obtaining external funding.
- Aided in recruiting and negotiating the hire of a new faculty member (Dr. Massie) who had post-doctoral research training, an emerging publication track record and preliminary success in obtaining external funding.
- Been a member of an ad hoc committee that developed metrics for the determination of faculty merit-based salary raises.
- Assisted in organizing the school's annual Interdisciplinary Continuing Education and Research Conference, including the setting up and dismantling of poster boards and easels, recruitment of faculty and student poster presenters, and implementation of the 'Exhibitor and Poster Passport'
- Initiated a grant writing work group within the school to foster the writing and submission of R15/AREA funding applications to NIH. The outcome was the submission of 3 new and 1 resubmission NIH AREA/R15 applications in Feb 2016

In addition to my role as ADR, I have served the school while in rank by serving as: 1) a member of school leadership committee; 2) the chair of a successful search and screen committee (tenure-track faculty member, Department of Physical Therapy); and; 3) a member of a successful search and screen committee (Assistant Business Manager, School of Health and Rehabilitation Sciences).

My service to the **University** while in rank has been varied (CV, p. 28), but has primarily centered on research activities. I have served on the Council of Associate Deans for Research (Office of the Vice Chancellor for Research) since 2010. In this role, I have: 1) reviewed I have served on 15 separate occasions as a reviewer of applications submitted to campus-wide funding mechanisms or internal competitions for agencies that accept limited submissions; 2) served as a committee member (2012) and the chair (2013) of the Research Frontiers Trailblazer Award selection committee (Office of the Vice Chancellor for Research), and; 3) been a faculty leader for the health and life sciences round-table discussion during IUPUI research orientation.

Beyond serving the university in research centered activities, while in rank I also served as a member of the: 1) New Academic Directions working group exploring a potential merger between the School of Health & Rehabilitation Sciences and School of Physical Education & Tourism Management; 2) search and screen committee for the Chair of Biology, School of Science, and; 3) administrative review committee of the Dean of the IU School of Social Work.

Evidence of service to the profession/discipline

NOTE: The appendices below are located under the 'Appendix: Other evidence of service' link.

I have served the profession/discipline while in rank by serving on professional committees, grant review and journal editorial boards, ad hoc reviewing grants and manuscripts, and reviewing promotion and tenure materials for other institutions (CV, p. 30).

PROFESSIONAL COMMITTEE MEMBERSHIP

I currently serve as a member of 4 professional committees. These include the: 1) Major Extremity Trauma Research Consortium (METRC); 2) Rehabilitation Enhanced by Partial Arterial Inflow Restriction (REPAIR) study group; 3) Research Intensive Programs in Physical Therapy (RIPPTs) Consortium of the Academic Council of the American Physical Therapy Association, and; 4) Exercise and Rehabilitation Advisory Council of the National Osteoporosis Foundation. METRC is a Department of Defense funded nationwide group that designs and performs multicenter clinical trials into orthopedic trauma. I assist with study development and design, and serve on the protocol committee for the REPAIR study being performed by the consortium. The physical therapy program at IU is a member of the RIPPTs Consortium for which Dr. Altenburger and I are the department's representatives. I was invited as a member of the Exercise and Rehabilitation Advisory Council (Appendix S1) based on my expertise in exercise and rehabilitation. The charge of the 15 member committee is to: 1) convey to the Education Committee the educational needs of physical therapists, exercise professionals and rehabilitation professionals in order to improve the care of patients and families affected by osteoporosis and 2) serve as the advisory group for NOF educational initiatives that are focused on exercise and rehabilitation educational content for professionals and patients.

PROMOTION AND TENURE REVIEW

While in rank, I served as an external reviewer for the: 1) appointment of a physical therapy faculty member to the rank of Assistant Professor with tenure-track at the University of British Columbia (Canada), and; 2) promotion of 2 faculty members to rank of Associate Professor with tenure at Georgia Regents University and the University of Kentucky.

EDITORIAL BOARD MEMBERSHIP

I currently served as section or associate editor for 4 journals (*British Journal of Sports Medicine*, *Current Osteoporosis Reports*, *Journal of Musculoskeletal and Neuronal Interactions*, and *Journal of Orthopaedic and Sports Physical Therapy*). The *British Journal of Sports Medicine* is the top ranked journal in the category of *Sports Sciences* (impact factor = 6.7), while the *Journal of Orthopaedic and Sports Physical Therapy* is the 7th ranked journal in the category of *Rehabilitation* (impact factor = 2.6). For each of the journals, I serve in a manuscript handling and decision making capacity.

In addition to serving as an associate editor for the aforementioned journals, I also serve on the editorial boards of 4 other journals (*Bone*, *Bone Reports*, *Journal of Bone and Mineral Research*, and *Journal of Science and Medicine in Sport*). The *Journal of Bone and Mineral Research* is the leading bone journal (impact factor = 5.5), while the *Journal of Science and Medicine in Sport* is the 7th ranked journal in the category of *Sport Sciences* (impact factor = 3.8). I was invited to serve a 4-year term on the editorial board of *Journal of Bone and Mineral Research* based on my expertise in bone and track record of performing quality reviews for the journal (Appendix S2). I was invited to join the editorial board of *Bone Reports* (Appendix S3) based on my track record of reviewing over 100 articles submitted to its sister journal *Bone* (Appendix S4). My editorial board member role for each of the journals includes a commitment to reviewing a minimum number of manuscripts per year.

GRANT REVIEW

While in rank, I twice served (2015 and 2016) as an ad hoc member of the Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section of the National Institutes of Health. The service involved reviewing 9-12 grant submissions and participating in discussions of all applications. I also served as a member of the scientific review committee for the Indiana Spinal Cord and Brain Injury Fund, Indiana State Department of Health. Finally, I served as an ad hoc reviewer of grant applications submitted to other funding agencies within the United States, Canada and the United Kingdom, including

the: 1) American Society of Bone and Mineral Research, Grants in Aid Program (GAP); 2) National Sciences and Engineering Research Council of Canada; 3) North Carolina Biotechnology Center Institutional Development Grant Program; 4) Baylor University Young Investigator Development Program, and; 5) Arthritis Research UK Foundation Fellowship.

AD HOC REVIEW MANUSCRIPTS

I have peer-reviewed 132 individual manuscripts (>20 manuscripts/yr) submitted to 52 different journals while in rank (CV p.33). I complete my reviews in a timely manner (>95% of my reviews were submitted earlier than requested by editors), and make sure that they are constructive. The journals I have reviewed for while in rank span many different disciplines, including:

Discipline	Journal reviewed for
Sports Medicine	American Journal of Sports Medicine British Journal of Sports Medicine Current Sports Medicine Reports International Journal of Sports Medicine Journal of Orthopaedic and Sports Physical Therapy Journal of Science and Medicine in Sport Medicine and Science in Sport and Exercise Sports Medicine
Orthopedics	Case Reports in Orthopedics Journal of Foot and Ankle Research Journal of Orthopaedic Research
Rehabilitation	Physical Therapy Physiotherapy Physiotherapy Canada
Physiology	American Journal of Physiology—Heart and Circulatory Physiology Applied Physiology, Nutrition, and Metabolism European Journal of Applied Physiology Journal of Applied Physiology
Biomedical Engineering	Annals of Biomedical Engineering Biomaterials Journal of Biomechanics
Psychiatry	Annals of General Psychiatry Therapeutic Advances in Psychopharmacology
Pharmacology & Pharmacy	Current Molecular Pharmacology Drugs & Aging European Journal of Pharmacology
Endocrinology & Metabolism	Bone Bone Reports Calcified Tissue International and Musculoskeletal Research Growth Hormone and IGF Research Journal of Bone and Mineral Research Journal of Clinical Endocrinology and Metabolism
Geriatrics & Gerontology	Experimental Gerontology
Medicine, General & Internal	British Medical Bulletin
Biology	Journal of Experimental Biology
Rheumatology	Journal of Rheumatology Rheumatology International
Multidisciplinary Sciences	Journal of the Royal Society Interface PLoS One Scientific Reports

Significance, impact, quality of professional service

NOTE: The appendices below are located under the 'Appendix: Other evidence of service' link.

The significance, impact and quality of my service are evident by numerous performance indicators. In my time as interim/full Associate Dean for Research (2010-present), the publication output from the school has increased by over 50% (from 25 to 38 publications per year, on a 3-year revolving average) (**Figure**). The increase is partly attributable to both selective recruitment and hiring of junior research intensive faculty and an increased awareness from faculty of the importance and value of dissemination. The recent recruitment and hiring of junior faculty with research post-doctoral research training and emerging publication and funding track records is also paying dividends in terms of funding, with the school being awarded in the most recent fiscal year (2015-16) the highest amount of external funding in its history ($2.5M).

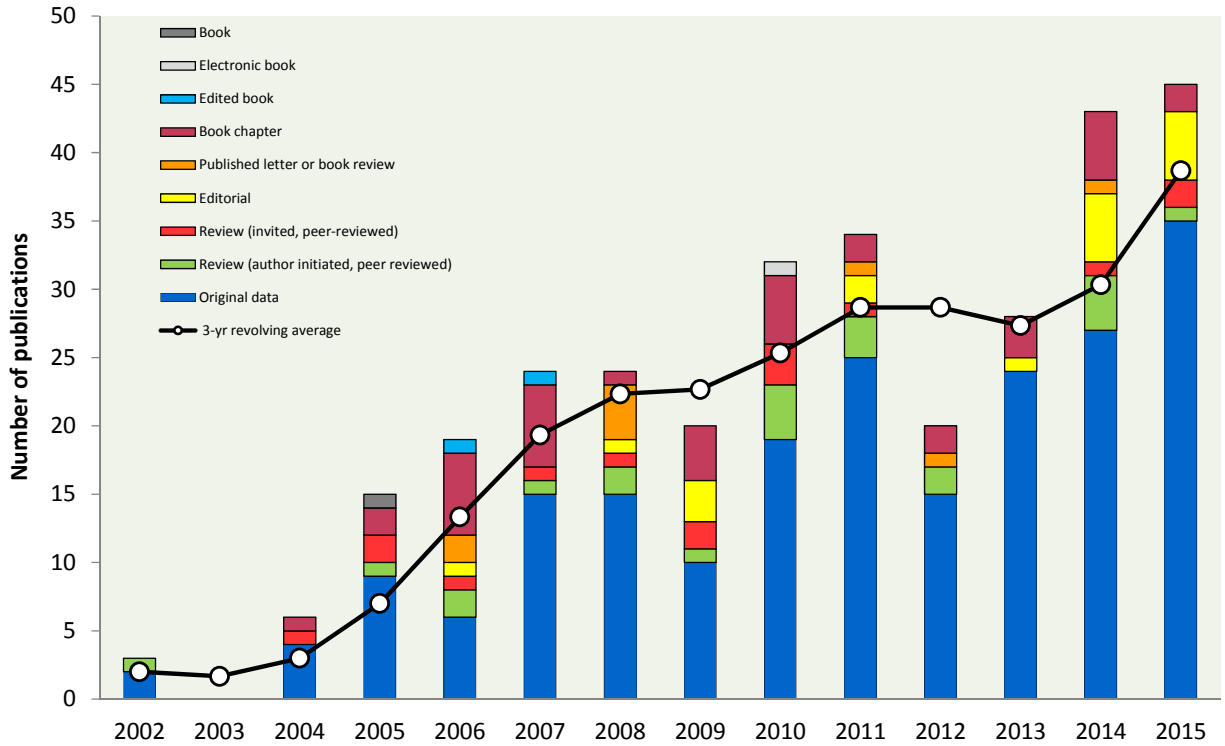

Figure. Calendar year research and scholarly publications authored by IU School of Health and Rehabilitation faculty

In terms of professional service, the significance, impact and quality of my service are most evident when considering contributions to manuscript reviewing. I have not only reviewed a large number of manuscripts for a diversity of journals while in rank (see 'Evidence of service to the profession/discipline'), the reviews have been both timely and of high quality. For instance, I have submitted 49 reviews for the *Journal of Orthopaedic and Sports Physical Therapy* in an average of 11.8 days receiving an average reviewer rating (Ave. R-score) of 8.5-out-of-10 (Appendix S5). The reviewer rating is assigned by editors each time a review is submitted and is based on a reviewer's timeliness and quality of review. My score places my review quality in the top 10% of reviewers for the journal and contributed to my appointment on the journal's editorial board and subsequently as an associate editor. Similarly, the review quality and the timeliness of my reviews for the *Journal of Bone and Mineral Research* contributed to my appointment to the editorial board for the journal (Appendix S2). I have completed 102 reviews for the *Bone* (Appendix S4) in an average of 10.0 days which has resulted in the award of a 'Top Reviewer Award' and a 'Certificate of Outstanding Reviewing' from the journal editors (Appendices S6 and 7). I also frequently receive unsolicited messages from journal editors thanking me for the quality of my reviews (Appendices S8 and S9).

Service recognition – grants, awards, honors

NOTE: The appendices below are located under the 'Appendix: Other evidence of service' link.

I have been awarded while in rank a 'Top Reviewer Award' and a 'Certificate of Outstanding Reviewing' from the editors of the journal *Bone* (Appendices S6 and 7). These are awarded to the top 10% of reviewers for the journal based on the timeliness and quality of reviews I have completed. I was also designated a 'senior manuscript reviewer' for the journal *Physical Therapy* for 2016 based on the completion of 3 or more manuscript reviews in the preceding year with a quality rating more than 2-out-of-3 (Appendix S10).