



IUPUI

SCHOOL OF HEALTH  
AND REHABILITATION  
SCIENCES

INDIANA UNIVERSITY  
Indianapolis

June 2016

**RESEARCH DATES TO REMEMBER/CONSIDER**

- Sep 8 IUPUI Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER)
- Sep 15 IUPUI Forces Opportunities for Research Commercialization and Economic Success (FORCES)
- Oct 5 NIH R01 new submission due date (internal routing date: Sep 28)
- Oct 15 IUPUI Research Support Funds Grant (RFSG) due date
- Oct 17 NIH R03 and R21 new submission due date (internal routing date: Oct 10)
- Oct 25 NIH R15 new submission and resubmission due date (internal routing date: Oct 18)

**EXTERNAL GRANTS AND CONTRACTS**

**Awards**

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Thompson, William	NIH-NIAMS	Mechanical partitioning of mTORC2 to direct mesenchymal stem cell fate	6/10/2016	5/31/2019	\$466,338

**Submitted**

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Thompson, William	UNIV OF DELAWARE	T-type voltage sensitive calcium channels in bone mechanotransduction	4/1/2017	3/31/2022	\$1,577,455
Crabtree, Jeffrey L	UNIV OF WISCONSIN	RRTC on interventions to promote community living among individuals with disabilities	10/1/2016	9/30/2021	\$95,000
Miller, Kristine Kay	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement b/t VA and IU	10/1/2016	7/31/2017	\$32,641
Dierks, Tracy Allan	ST VINCENT SPORT PERF	St. Vincent Sports Performance - Science, MOU	7/1/2016	6/30/2017	\$15,000
Miller, Kristine Kay	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement b/t VA and IU	10/1/2015	7/31/2016	\$2,167

**INTERNAL GRANTS AND AWARDS**

**Awards**

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Munk, Niki	IUPUI Office of the V.C. for Research	Massage and self-care for chronic neck pain (RFSG application)	7/1/2016	6/30/2017	\$35,000

**PUBLICATIONS**

1. **Bayliss AJ**, Weatherholt AM, Crandall TT, Farmer DL, McConnell JC, Crossley KM, **Warden SJ**. Achilles tendon material properties are greater in the jump leg of jumping athletes. *J Musculoskelet Neuronal Interact* 2016;16:105-12
2. Elenburg JL, Foley BS, Roberts K, **Bayliss AJ**. Utilization of mechanical diagnosis and therapy (MDT) for the treatment of lumbar pain in the presence of known lumbar transverse process fractures: a case study. *J Man Manip Ther* 2016;24:74-9
3. **Li W**, Risacher SL, McAllister TW, Saykin AJ. Traumatic brain injury and age at onset of cognitive impairment in older adults. *J Neurol* 2016;263:1280-5
4. Uzer G, **Fuchs RK**, Rubin J, **Thompson WR**. Plasma and nuclear membranes convey mechanical information to regulate mesenchymal stem cell lineage. *Stem Cells* 2016;34:1455-63

### ***New 'in press' publications this month***

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1. Kerr L, **Cardinal R**, Prewitt C, Athanasakes J. Intense episode of care as a possible solution for effective treatment of patients in geographic location of concerns: assessing the availability of rehabilitative technology centers to promote patient access. *J Rehabil Assist Technol Eng*
2. Lahm T, Frump A, Albrecht M, Fisher A, Cook T, Jones T, Yakubov B, Whitson J, **Fuchs R**, Liu A, Chesler N, **Brown MB**. 17 $\beta$ -Estradiol mediates superior adaptation of right ventricular function to acute strenuous exercise in female rats with severe pulmonary hypertension. *American Journal of Physiology –Lung Cellular and Molecular Physiology*

### ***'In press' publications***

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3. **Arnold BL**, Schiller B. *Evidence Based Practice in Sport and Exercise: A Guide to Using Research*. Philadelphia: F.A. Davis Company
4. Brown T, **Crabtree JL**, Mu K, Wells J. The Entry-Level Occupational Therapy Clinical Doctorate (OTD): the next education wave of change in Canada? *Can J Occup Ther*
5. **Comer AR**, Gaffney M, Stone C, Torke AM. Physician understanding and application of surrogate decision making laws in clinical practice. *AJOB Empirical Bioethics*
6. Lee CE, **Warden SJ**, Szuck B, Lau YKJ. A preliminary study on the efficacy of a community-based physical activity intervention on physical function-related risk factors for falls among breast cancer survivors. *Am J Phys Med Rehabil*
7. **Li W**, Huang E. An update on type-2 diabetes mellitus as a risk factor for dementia. *J Alzheimers Dis*
8. **Li W**, Risacher SL, Huang E, Saykin AJ. Type 2 diabetes mellitus is associated with brain atrophy and hypometabolism in the ADNI cohort. *Neurology*
9. **Liu CJ**, Jones LY, Formyduval A RM, Clark DO. Task-oriented exercise to reduce ADL disability in vulnerable elderly: a feasibility study of 3-step workout for life. *J Aging Phys Act*
10. **Massie CL**, Du Y, Conroy SS, Krebs HI, Wittenberg GF, Bever CT, Whittall J. A clinically relevant method of analyzing continuous change in robotic upper extremity chronic stroke rehabilitation. *Neurorehabil Neural Repair*
11. **Miller KK**, **Porter RE**, DeBaun-Sprague E, Van Puymbroeck M, Schmid AA. Exercise after stroke: patient adherence and beliefs after discharge from rehabilitation. *Top Stroke Rehabil*
12. **Munk N**, Shue S, Freeland E, Ralston RK, Boulanger K. Identifying inconsistencies and reporting deficits in Therapeutic Massage and Bodywork (TMB) case reports authored by TMB practitioners: A TMB Adapted Case Report (CARE) Guidelines audit through 2014. *Int J Ther Massage*
13. Pizzi M, **Kuo F**, Chang WP, Koning S, Fredrick A. Pizzi Healthy Weight Management Assessment (PHWMA): development and utility in Burmese High School students attending Summer Scholars Program. *Br J Occup Ther*
14. Smith C, Ryder P, Bilodeau A, **Schultz M**. Play SPENT: use of an online game to evaluate health professions students' attitudes toward people in poverty. *Am J Pharm Educ*
15. **Warden SJ**, **Fuchs RK**. Do selective serotonin reuptake inhibitors (SSRIs) cause fractures? *Curr Osteoporos Rep*