



IUPUI

SCHOOL OF HEALTH  
AND REHABILITATION  
SCIENCES

INDIANA UNIVERSITY  
Indianapolis

February 2016

### RESEARCH DATES TO REMEMBER/CONSIDER

- Mar 4 CTSI Collaboration in Translational Research Pilot Grants (\$75,000) due date
- Mar 15 IUPUI Funding Opportunities for Research Commercialization and Economic Success (FORCES)
- Apr 15 IUPUI Research Support Funds Grant (RFSG) due date
- Jun 6 NIH R01 new submission due date (internal routing date: May 30)
- Jun 16 NIH R03 and R21 new submission due date (internal routing date: Jun 9)
- Jun 27 NIH R15 new submission due date (internal routing date: Jun 20)

### EXTERNAL GRANTS AND CONTRACTS

#### Submitted

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Li, Wei	NIH	The underlying mechanism of type 2 diabetes mellitus as a risk factor for AD	1/1/2017	12/31/2019	\$471,021
Munk, Niki	NIH	Massage and mirror therapy for phantom limb pain: a pilot study	9/1/2016	8/31/2019	\$454,053
Massie, Crystal	NIH	Developing clinical prediction rules to tailor non-invasive brain stimulation for the individual	9/1/2016	8/31/2019	\$442,447
Avin, Keith Gerard	SATELLITE HEALTHCARE INC	Pain predicts skeletal muscle dysfunction and health-related quality of life in end-stage renal disease	7/1/2016	6/30/2018	\$200,000

### INTERNAL GRANTS AND AWARDS

#### Awarded

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Fuchs, Robyn	IUPUI Office of the V.C. for Research	The role of the serotonin transporter in bone metabolism (Release Time for Research application)	4/1/2016	3/31/2017	\$10,000
Loghmani, M. Terry	IUPUI Office of the V.C. for Research	Development of a motion & force quantification device for characterization of dispersive soft tissue manipulation pressure for clinical use (Release Time for Research application)	4/1/2016	3/31/2017	\$10,000
Avin, Keith	IUPUI Office of the V.C. for Research	Clinically-relevant interventions to improve muscle metabolism and function in a rat model of chronic kidney disease (Release Time for Research application)	4/1/2016	3/31/2017	\$8,878

## Submitted

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Comer, Amber	IUPUI Office of the V.C. for Research	The quest to diminish suffering: identifying ethical issues in stroke treatment that affect how and when patients die (IUPUI Arts and Humanities Internal Grant application)	5/1/2016	4/30/2017	\$13,589
Fuchs, Robyn	IUPUI Office of the V.C. for Research	The role of the serotonin transporter in bone metabolism (Release Time for Research application)	4/1/2016	3/31/2017	\$10,000
Loghmani, M. Terry	IUPUI Office of the V.C. for Research	Development of a motion & force quantification device for characterization of dispersive soft tissue manipulation pressure for clinical use (Release Time for Research application)	4/1/2016	3/31/2017	\$10,000
Avin, Keith	IUPUI Office of the V.C. for Research	Clinically-relevant interventions to improve muscle metabolism and function in a rat model of chronic kidney disease (Release Time for Research application)	4/1/2016	3/31/2017	\$8,878

## PUBLICATIONS

1. Meijome TE, Baughman JT, Hooker RA, Cheng Y-H, Ciovacco WA, Balamohan SM, Srinivasan TL, Chitteti BR, Eleniste PP, Horowitz MC, Srour EF, Bruzzaniti A, **Fuchs RK**, Kacena MA. c-Mpl is expressed on osteoblasts and osteoclasts and is important in regulating skeletal homeostasis. *J Cell Biochem* 2016;117:959-69
2. Organ JM, Srisuwananukorn A, Price P, Joll JE, Biro KC, Rupert JE, Chen NX, **Avin KG**, Moe SM, Allen MR. Reduced skeletal muscle function is associated with decreased fiber cross-sectional area in the Cy/+ rat model of progressive kidney disease. *Nephrol Dial Transplant* 2016;31:223-30.
3. Schmid AA, **Miller KK**, Van Puymbroeck M, Schalk N. Feasibility and results of a case study of yoga to improve physical functioning in people with chronic traumatic brain injury. *Disabil Rehabil* 2016;38:914-20
4. Wright CJ, **Arnold BL**, Ross SE. Altered kinematics and time to stabilization during drop-jump landings in individuals with or without functional ankle instability. *J Athl Train* 2016;51:5-15.

## New 'in press' publications this month

1. Ferreira AJ, Laing EM, Hausman DB, Hall DB, McCabe GP, Martin BR, Hill Galant KM, **Warden SJ**, Weaver CM, Peacock M, Lewis RD. Vitamin D supplementation does not impact glycemia and insulin resistance in early pubertal white and black children. *J Clin Endocrinol Metab*

## Previous 'in press' publications

2. Beumer L, Wong J, **Warden SJ**, Kemp JL, Foster P, Crossley KM. Effects of exercise and manual therapy with hip osteoarthritis: a systematic review and meta-analysis. *Br J Sport Med*
3. 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*
4. 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*
5. 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*
6. **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*

7. Livorsi D, **Comer AR**, Matthias MS, Perencevich EN, Bair MJ. Barriers to guideline-concordant antibiotic use among inpatient physicians: A case vignette qualitative study. *J Hosp Med*
8. **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*
9. 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*
10. **Thompson WR**, Scott A, **Loghmani MT**, Ward SR, **Warden SJ**. Understanding mechanobiology: physical therapists as a force in mechanotherapy and musculoskeletal regenerative rehabilitation. *Phys Ther*
11. Uzer G, **Fuchs RK**, Rubin J, **Thompson WR**. Plasma and nuclear membranes convey mechanical information to regulate mesenchymal stem cell lineage. *Stem Cells*
12. **Warden SJ**, **Fuchs RK**. Do selective serotonin reuptake inhibitors (SSRIs) cause fractures? *Curr Osteoporos Rep*