



Research Notes

February 2017

Research dates to remember/consider

- Apr 15 [IUPUI Research Support Funds Grant \(RSFG\) due date](#) (does not require routing)
 Jun 5 NIH R01 new submission due date (internal routing date: May 29)
 Jun 16 NIH R03 and R21 new submission due date (internal routing date: Jun 9)
 Jun 26 NIH R15 new submission and resubmission due date (internal routing date: Jun 19)

External grants and contracts

Submissions

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Altenburger, Peter	PURDUE UNIVERSITY	Combined cognitive and balance training to improve mobility in everyday activities	9/1/2017	8/31/2022	\$1,278,929
Brown, Mary Beth	NIH	Exercise to prevent clot recurrence after venous thromboembolism: feasibility of a home walking program	10/1/2017	9/30/2020	\$693,068
Munk, Niki	NIH	Massage and mirror therapy for phantom limb pain: a pilot study	9/1/2017	8/31/2020	\$457,608
Crabtree, Jeffrey	UNIV OF WISCONSIN	The TransFACT assessment mobile app: optimizing personal community transit	10/1/2017	9/30/2022	\$195,256
Brown, Mary Beth	AM HEART ASSN	The use of dietary nitrate and exercise training to improve muscle function and exercise responses in PAH	7/1/2017	6/30/2019	\$53,688

Submissions with credit split to SHRS faculty

SHRS faculty (Role)	Sponsor	Title	Start	End	Proposal Credit
Loghmani, M. Terry (Co-I; 10% credit)	NSF	NRT: Data Enabled Smart Biomechatronic Device and Instrumentation System Traineeship	9/1/2017	8/31/2022	\$374,830

Internal grants and contracts

Submissions

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Loghmani, M. Terry	IUPUI Office of the V.C. for Research	The effects of soft tissue manipulation on mesenchymal stem cell mobilization and homing, inflammation, pain and behavior in rodents with chemically-induced low back pain (Release Time for Research application)	4/1/2016	3/31/2017	\$10,000





Publications

1. **Brown MB**, Neves E, Long GM, Graber JB, Gladish BA, Wiseman A, Owens M, Fisher AJ, Presson RG Jr, Petrache I, Kline JA, Lahm T. High intensity interval training but not continuous training reverses right ventricular hypertrophy and dysfunction in a rat model of pulmonary hypertension. *American Journal Physiology—Regulatory, Integrative and Comparative Physiology* 2017;312;R197-R210
2. **Fuchs RK**, **Bayliss AJ**, **Warden SJ**. Hemangioma in the anterior thigh with corresponding periosteal bone reaction. *Journal of Orthopaedic and Sports Physical Therapy* 2017;47:218
3. **Fuchs RK**, Kersh ME, Carballido-Gamio J, **Thompson WR**, Keyak JH, **Warden SJ**. Physical activity for strengthening fracture prone regions of the proximal femur. *Current Osteoporosis Reports* 2017;15:43-52
4. Hendrie HC, Zheng M, **Li W**, Lane K, Ambuehl R, Purnell C, Unverzagt FW, Torke A, Balasubramanyam A, Callahan CM, Gao S. Glucose level decline precedes dementia in elderly African Americans with diabetes. *Alzheimer's & Dementia* 2017;13:111-118
5. **Miller KK**, **Porter RE**, DeBaun-Sprague E, Van Puymbroeck M, Schmid AA. Exercise after stroke: patient adherence and beliefs after discharge from rehabilitation. *Topics in Stroke Rehabilitation* 2017;24:142-8

New 'in press' publications this month

1. **Li W**, Huang E, Gao S. Type 1 diabetes mellitus and cognitive impairments: a systematic review. *Journal of Alzheimer's Disease*
2. **Massie CL**, White C, Pruit K, Freely A, Staley K, Backes M. Influence of motor cortex stimulation during motor training on neuroplasticity as a potential therapeutic intervention. *Journal of Motor Behavior*
3. Moorthi RN, **Avin KG**. Clinical relevance of sarcopenia in chronic kidney disease. *Current Opinion in Nephrology and Hypertension*
4. Salazar TE, Richardson MR, Beli E, Ripsch M, George J, Kim Y, Yan Y, Bhatwadekar A, Jadhav V, Smith JA, McGorray S, Moldovan L, Bertone AL, Traktuev DO, March KL, Colon-Perez LM, **Avin KG**, Sims E, Mund JA, Case J, Deng S, Kim MS, McDavitt B, Boulton ME, Thinschmidt J, Li Calzi S, Fitz SD, **Fuchs RK**, **Warden SJ**, McKinley T, Shekhar A, Febo M, Johnson PL, Chang LJ, Gao Z, Kolonin MG, Lai S, Ma J, White FA, Xie H, Yoder MC, Grant MB. Electroacupuncture promotes CNS-dependent release of mesenchymal stem cells. *Stem Cells*

'In press' publications

5. Arnold S, **Janson R**. Wrist extension or flexion mobilization orthosis: the dinosaur design. *Journal of Hand Therapy*
6. **Comer AR**, Gaffney M, Stone C, Torke AM. Physician understanding and application of surrogate decision making laws in clinical practice. *AJOB Empirical Bioethics*
7. **Comer AR**, Gaffney M, Stone C, Torke AM. "What do you mean I cannot consent for my grandmother's medical procedure?": Key issues with state default surrogate decision making laws. *Indiana Health Law Review*
8. Egan KA, Martin BR, McCabe LD, Peacock M, **Warden SJ**, McCabe GP, Weaver CM. The influence of dairy on bone mass and body composition in early pubertal girls and boys: a randomized controlled trial. *American Journal of Clinical Nutrition*
9. *Elder WG, ***Munk N**, Love MM, Bruckner GG, Stewart, KE, Pearce, K. Real-world massage therapy produces meaningful effectiveness signal for primary care patients with chronic low back pain: results of a repeated measures cohort study. *Pain Medicine* (*co-first authors)
10. Haglund L, Bowyer P, **Scott P**, Taylor R. The Model of Human Occupation, the ICF, and the occupational therapy practice framework: connections to support best practice around the world. In: Taylor RR (ed.): *Kielhofner's Model of Human Occupation*. 5th ed. New York: Wolters-Kluwer
11. Kramer J, Forsyth K, Lavedure P, **Scott P**, Shute R, Maciver D. Self report instruments. In: Taylor RR (ed.): *Kielhofner's Model of Human Occupation*. 5th ed. New York: Wolters-Kluwer.
12. **Warden SJ**, Burr DB. Bone stress injuries. In: Bilezikian JP (ed.): *Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism*. 9th ed. John Wiley & Sons, Inc.