



Research Notes

March 2017

Research dates to remember/consider

- Apr 3 CTSI Collaboration in Translational Research Pilot Grant Program (letter of intent due)
- Apr 15 IUPUI Research Support Funds Grant (RSFG) (does not require routing)
- May 5 CTSI CHEP Community Based Research Awards (letter of intent due)
- May 5 CTSI Collaboration in Translational Research Pilot Grant Program (application due; does not require routing)
- May 25 CTSI CHEP Community Based Research Awards (application due; does not require routing)
- Jun 5 NIH R01 new submission (internal routing date: May 29)
- Jun 16 NIH R03 and R21 new submission (internal routing date: Jun 9)
- Jun 26 NIH R15 new submission and resubmission (internal routing date: Jun 19)

External grants and contracts

Awards

| Project Director | Sponsor | Title | Start | End | Proposal Total Amt |
|-------------------|-------------------|--|----------|-----------|--------------------|
| Thompson, William | MARIAN UNIVERSITY | Role of the Auxiliary $\alpha 2\delta 1$ Voltage Sensitive Calcium Channel in Skeletal Development and Mechanoregulation | 2/1/2017 | 5/14/2017 | \$4,044 |

Submissions

| Project Director | Sponsor | Title | Start | End | Proposal Total Amt |
|--------------------|-----------------------|--|----------|-----------|--------------------|
| Loghmani, M. Terry | HEALTH SMART TECH/NIH | A device for quantifiable soft tissue manipulation: a new frontier in manual therapy | 9/1/2017 | 8/31/2018 | \$69,944 |

Internal grants and contracts

Awards

| 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 |

Submissions

| Project Director | Sponsor | Title | Start | End | Proposal Total Amt |
|------------------|---------------------------------------|--|----------|-----------|--------------------|
| Comer, Amber | IUPUI Center for Service and Learning | Improving Stroke Recovery and Survival in Indianapolis through Community Engagement (Chancellor Bantz Community Fellowship Grant) | 6/1/2017 | 6/31/2018 | \$60,000 |





Publications

1. Arnold S, **Janson R**. Wrist extension or flexion mobilization orthosis: the dinosaur design. *Journal of Hand Therapy* 2017;30:109-12
2. **Li W**, Huang E, Gao S. Type 1 diabetes mellitus and cognitive impairments: a systematic review. *Journal of Alzheimer's Disease* 2017;57:29-36
3. **Massie CL**, White C, Pruit K, Freel A, Staley K, Backes M. Influence of motor cortex stimulation during motor training on neuroplasticity as a potential therapeutic intervention. *Journal of Motor Behavior* 2017;49:111-6

New 'in press' publications this month

1. Kindler J, Pollock NK, Laing EM, Oshri A, Jenkins N, Isales CM, Hamrick MW, Ding HK, Hausman DB, McCabe GP, Martin BR, Hill Gallant KG, **Warden SJ**, Weaver CM, Peacock M, Lewis RD. Insulin resistance and the IGF-I-cortical bone relationship in children ages 9-13 years. *Journal of Bone and Mineral Research*
2. Neto-Neves EM, **Brown MB**, Zaretskaia MV, Rezanian S, Goodwill AG, McCarthy BP, Persohn SA, Territo PR, Kline JA. Chronic embolic pulmonary hypertension caused by pulmonary embolism and vascular endothelial growth factor inhibition. *American Journal of Pathology*
3. Olivos DJ, Alvarez M, Cheng YH, Hooker RA, Ciovacco WA, Bethel M, McGough H, Yim C, Chitteli BR, Eleniste PP, Horowitz MC, Srour EF, Bruzzaniti A, **Fuchs RK**, Kacena MA. Lnk deficiency leads to TPO-mediated osteoclastogenesis and increased bone mass phenotype. *Journal of Cellular Biochemistry*
4. **Warden SJ**, Weatherholt AM, Gudeman AS, Mitchell DC, **Thompson WR**, **Fuchs RK**. Progressive skeletal benefits of physical activity when young as assessed at the midshaft humerus in male baseball players. *Osteoporosis International*

'In press' publications

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. **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*
7. 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*
8. *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)
9. 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
10. 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.
11. Moorthi RN, **Avin KG**. Clinical relevance of sarcopenia in chronic kidney disease. *Current Opinion in Nephrology and Hypertension*
12. 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*
13. **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.