



# Research Notes

## Calendar year 2016 summary

### Overview

On the following pages are the external and internal grants and contracts submitted by IU School of Health and Rehabilitation Sciences (SHRS) faculty as Principal Investigator (PI) in 2016. In addition, grants for which a portion of credit was awarded to IU SHRS faculty are listed, along with the credited dollar amount.

The final pages list peer-reviewed publications authored or co-authored by IU SHRS faculty during 2016. These give a good picture of the breadth and depth of work being performed within the school.

As a quick summary, consider the table below which compares the data from 2016 to the previous calendar year (grants with credit split awarded to SHRS faculty are not included in these summary data). As can be seen, there were gains in almost all categories.

	Calendar year		Change	
	2015	2016	Absolute	Percent
<b>External grants and contracts</b>				
Awards				
Number	7	9	2	28.6%
Total award amount	\$1,299,829	\$2,017,397	\$717,968	55.2%
Indirect amount	\$219,270	\$485,225	\$265,955	121.0%
Faculty (#)	6	7	1	16.7%
Submissions				
Number	22	31	9	40.9%
Amount	\$10,313,851	\$13,482,705	\$3,168,854	30.7%
Indirect amount	\$2,468,581	\$4,208,899	\$1,740,318	70.5%
Faculty (#)	16	14	(-2)	(-12.5%)
<b>Internal grants and contracts</b>				
Awards				
Number	7	14	7	100.0%
Amount	\$98,314	\$193,967	\$95,653	97.3%
Faculty (#)	6	9	3	50.0%
Submissions				
Number	10	19	9	90.0%
Amount	\$220,261	\$332,945	\$112,684	51.2%
Faculty (#)	5	11	6	120.0%
<b>Publications</b>				
Number	45	44	(-1)	(-2.2%)
Faculty (#)	18	22	4	22.2%

## External grants and contracts

### Awards

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Thompson, William	US DEPT OF DEFENSE	Effect of low magnitude mechanical signals on breast cancer bone metastases	2/1/2016	1/13/2019	\$702,772
Rebman, Rebecca	HRSA	Indiana University Health Careers Opportunity Program	9/1/2016	8/31/2017	\$613,199
Thompson, William	NIH-NIAMS	Mechanical partitioning of mTORC2 to direct mesenchymal stem cell fate	6/10/2016	5/31/2019	\$466,388
Avin, Keith	NIH-NIDDK	Mechanisms of Interventions to Ameliorate Sarcopenia in Chronic Kidney Disease	8/18/2016	5/31/2017	\$132,127
Miller, Kristine	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement between VA and IU	8/1/2013	9/30/2017	\$32,641
Munk, Niki	MASSAGE THERAPY FDN	Massage perceptions and experiences for individuals with amputations	9/1/2016	8/31/2017	\$30,000
Logmani, M. Terry	UNIV OF PITTSBURGH	Alliance for Regenerative Rehabilitation Research & Training (AR3T)	7/1/2016	6/30/2017	\$23,103
Dierks, Tracy	ST VINCENT SPORT PERF	St. Vincent Sports Performance - Science, MOU with Tracy Dierks	7/1/2016	6/30/2017	\$15,000
Miller, Kristine	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement b/t VA and IU	8/1/2013	7/31/2016	\$2,167
<b>TOTAL</b>					<b>\$2,017,397</b>

### Awards with credit split to SHRS faculty

SHRS faculty (Role)	Sponsor	Title	Start	End	Proposal Credit Amt
Warden, Stuart (co-PI; 50% credit)	JOHNS HOPKINS UNIV	REPAIR: Rehabilitation Enhanced by Partial Arterial Inflow Restriction	3/1/2016	9/29/2017	\$126,392
<b>TOTAL</b>					<b>\$126,392</b>

### Submissions

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Fuchs, Robyn K	NIH	Long term benefit to the proximal femur of exercise completed when young	7/1/2017	6/30/2022	\$2,453,876
Warden, Stuart J	NIH	Skeletal effects of the 5-hydroxytryptamine (5-HT; 'serotonin') transporter & brain-derived 5-HT	7/1/2017	6/30/2022	\$2,311,883
Warden, Stuart J	US DEPT OF DEFENSE	Localizing the skeletal effects of psychotropic agents targeting the serotonin transporter	8/1/2017	7/31/2020	\$1,886,146
Thompson, William	UNIV OF DELAWARE	T-type voltage sensitive calcium channels in bone mechanotransduction	4/1/2017	3/31/2022	\$1,577,455
Miller, Kristine	NIH	Adapted-yoga in the community for people transitioning home after stroke rehabilitation	7/1/2017	6/30/2020	\$485,544
Li, Wei	NIH	The underlying mechanism of type 2 diabetes mellitus as a risk factor for AD	7/1/2017	6/30/2020	\$472,500
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
Warden, Stuart	NIH	Localizing the skeletal effects of serotonin transporter inhibition	9/1/2016	8/31/2019	\$471,000
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	7/1/2017	6/30/2020	\$443,750
Massie, Crystal	NIH	Developing clinical prediction rules to tailor non-invasive brain stimulation for the individual	9/1/2016	8/31/2019	\$442,447

## Submissions (cont'd)

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Li, Wei	NIH	Type 1 Diabetes Mellitus and Dementia	7/1/2017	6/30/2019	\$433,125
Li, Wei	ALZHEIMER ASSN	Longitudinal Interaction of Gender and T2DM in AD Pathogenesis	6/1/2016	5/31/2019	\$250,000
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
Massie, Crystal	IND STATE DEPT HLTH	Improving functional ability in chronic TBI with intensive rehabilitation robotic gait training	7/1/2017	6/30/2019	\$158,698
Comer, Amber	AM HEART ASSN	The long-term effect of state stroke legislation on patient health outcomes	1/1/2017	12/31/2018	\$154,000
Li, Wei	ALZHEIMER ASSN	Type 1 Diabetes Mellitus a Risk Factor for Dementia?	7/1/2017	6/30/2020	\$150,000
Li, Wei	ALZHEIMER ASSN	Type 2 Diabetes Mellitus and Alzheimer's Disease	9/1/2016	8/31/2019	\$150,000
Warden, Stuart J	UNIV ILLINOIS URBANA	Identifying exercises that target fracture prone regions of the proximal femur	7/1/2017	6/30/2019	\$103,211
Crabtree, Jeffrey	UNIV OF WISCONSIN	RRTC on interventions to promote community living among individuals with disabilities	10/1/2016	9/30/2021	\$95,000
Loghmani, M. Terry	HEALTH SMART TECH	A device for quantifiable soft tissue manipulation: a new frontier in manual therapy	4/1/2017	3/31/2018	\$68,348
Liu, Chiung-Ju	AMER OCCUP THERA FDN	Feasibility study of FORCE in older adults with cognitive decline	4/1/2017	3/31/2018	\$50,000
Altenburger, Peter	MULTIPLE SCLEROSIS	G-EO gait rehabilitation training in progressive multiple sclerosis	10/1/2016	9/30/2017	\$44,000
Loghmani, M. Terry	UNIV OF PITTSBURGH	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	7/1/2016	6/30/2017	\$35,605
Miller, Kristine	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement b/t VA and IU	10/1/2016	7/31/2017	\$32,641
Munk, Niki	MASSAGE THERAPY FDN	Massage perceptions and experiences for individuals with amputations	9/1/2016	8/31/2017	\$30,000
Loghmani, M. Terry	SIMBEX	A quantifiable soft tissue manipulation device system	1/1/2017	12/31/2017	\$25,000
Dierks, Tracy	ST VINCENT SPORT PERF	St. Vincent Sports Performance - Science, MOU	7/1/2016	6/30/2017	\$15,000
Altenburger, Peter	FDN FOR PHYSICAL THERAPY	The effect of lokomotor assisted therapy on lower extremity motor performance in typically developing children and children with cerebral palsy	6/1/2016	5/31/2017	\$9,235
Li, Wei	PHY ASSIST EDU ASSOC	An efficacy analysis of team teaching clinical medicine courses in PA education	9/1/2016	10/31/2017	\$7,000
Miller, Kristine	US VETERANS AFFAIRS	Intergovernmental Personnel Agreement b/t VA and IU	10/1/2015	7/31/2016	\$2,167
				<b>TOTAL</b>	<b>\$13,482,705</b>

## Submissions with credit split to SHRS faculty

SHRS faculty (Role)	Sponsor	Title	Start	End	Proposal Credit Amt
Thompson, William (co-PI; 45% credit)	NIH	Effect of low magnitude mechanical signals on bone and muscle loss due to androgen deprivation therapy for prostate cancer	7/1/2017	6/30/2022	\$1,574,589
Warden, Stuart (co-PI; 30% credit)	US DEPT OF DEFENSE	Precision medicine approaches to stratify risk of secondary physical health effects in multiply injured patients with major skeletal trauma	9/30/2017	9/29/2021	\$598,038
				<b>TOTAL</b>	<b>\$2,172,627</b>

## Internal grants and contracts

### 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
Warden, Stuart	IUPUI Office of the V.C. for Research	Localized skeletal effects of serotonin transporter inhibition (RFSG application)	1/1/2016	31/12/2016	\$35,000
Thompson, William	IUPUI Center for Teaching and Learning	Creation of case series rounds courses for enhancement of clinical decision making and interdisciplinary interactions (Curriculum Enhancement Grant application)	4/1/2016	3/31/2017	\$30,000
Liu, Chiung-Ju	Indiana CTSI	Translating 3-Step Workout for Life into the senior living communities	10/1/2016	9/30/2017	\$25,000
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 (Developing Diverse Researchers with InVestigative Expertise [DRIVE] 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
Thompson, William	Indiana CTSI	Generation of a novel mouse model for tissue-specific deletion of the $\alpha 2\delta 1$ VSCC subunit	7/1/2016	6/30/2017	\$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
Miller, Kristine	SHRS	Natus VSR Sport System [portable neurocom] (PEAR grant)	7/22/2016	7/21/2017	\$5,000
Comer, Amber	Center for Service and Learning	Transitioning research to policy: changing Indiana's Health Care Consent Law (Service Learning Assistant Scholarship)	8/1/2016	5/30/2017	\$4,500
Comer, Amber	IUPUI Office of the Senior Advisor	Assessing the effect of an undergraduate ethics course on students' moral judgement (PRAC application)	5/1/2016	4/30/2017	\$2,500

## Awards (cont'd)

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Comer, Amber	IU Vice President for Research	Using text messages to increase empathy in medical students and physicians (Speed Networking Seed Funding Application)	7/1/2016	6/30/2017	\$2,500
Comer, Amber	Exec. Comm. of the Consortium for the Study of Religion, Ethics & Society	Religion, Spirituality, Healthcare, and Ethics	1/1/2017	12/31/2017	\$2,000
<b>TOTAL</b>					<b>\$193,967</b>

## Submissions

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
Li, Wei	Indiana Diabetes Research Center	Altered cerebral glucose and lipid metabolism in diabetes in the pathogenesis of Alzheimer's disease	7/1/2016	6/30/2017	\$45,000
Massie, Crystal	IUPUI Office of the V.C. for Research	Clinical implementation and outcomes of upper-extremity rehabilitation robotics (RSFG application)	7/1/2017	6/30/2018	\$35,000
Munk, Niki	IUPUI Office of the V.C. for Research	Massage and self-care for chronic neck pain (RSFG application)	7/1/2016	6/30/2017	\$35,000
Comer, Amber	IUPUI Office of the V.C. for Research	The effect of an environmental policy as an intervention on stroke and cardiovascular incidents and mortality in Indianapolis (RSFG application)	7/1/2016	6/30/2017	\$34,889
Li, Wei	Indiana Alzheimer Disease Center	Phosphatidylcholines as Sensitive and Reliable Serum Biomarkers for Early AD	7/1/2016	6/30/2017	\$30,000
Thompson, William	IUPUI Center for Teaching and Learning	Creation of case series rounds courses for enhancement of clinical decision making and interdisciplinary interactions (Curriculum Enhancement Grant application)	4/1/2016	3/31/2017	\$30,000
Liu, Chiung-Ju	Indiana CTSI	Translating 3-Step Workout for Life into the senior living communities	10/1/2016	9/30/2017	\$25,000
Comer, Amber	Indiana CTSI	The effect of air quality on stroke and cardiovascular incidents and mortality (Project Development Team application)	3/1/2016	2/28/2017	\$15,000
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
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 (Developing Diverse Researchers with InVestigative Expertise [DRIVE] 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

## Submissions (cont'd)

Project Director	Sponsor	Title	Start	End	Proposal Total Amt
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
Thompson, William	Indiana CTSI	Generation of a novel mouse model for tissue-specific deletion of the $\alpha\delta 1$ VSCC subunit	7/1/2016	6/30/2017	\$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
Miller, Kristine	SHRS	Natus VSR Sport System [portable neurocom] (PEAR grant)	7/22/2016	7/21/2017	\$5,000
Pape, Sharon Loghmani, M. Terry	IUPUI Office of the Senior Advisor	What's the difference between occupational therapy and physical therapy? A longitudinal study examining student perceptions of interprofessional education and practice (PRAC application)	1/1/2016	31/12/2016	\$5,000
Comer, Amber	IUPUI Office of the Senior Advisor	Assessing the effect of an undergraduate ethics course on students' moral judgement (PRAC application)	5/1/2016	4/30/2017	\$2,500
Comer, Amber	IU Vice President for Research	Using text messages to increase empathy in medical students and physicians (Speed Networking Seed Funding Application)	7/1/2016	6/30/2017	\$2,500
Comer, Amber	Exec. Comm. of the Consortium for the Study of Religion, Ethics & Society	Religion, Spirituality, Healthcare, and Ethics	1/1/2017	12/31/2017	\$2,000
				<b>TOTAL</b>	<b>\$332,945</b>

## Publications

- Altenburger PA**, Schmid AA, Van Puymbroeck M, **Miller KK**. Impact of yoga on postural stability in stroke. *Int J Neurorehabilitation* 2016;3:195 (8 pages).
- Avin KG**, Chen NX, Organ JM, Zarse C, O'Neill K, Conway RG, Konrad RJ, Bacallao RL, Allen MR, Moe SM. Skeletal muscle regeneration and oxidative stress are altered in chronic kidney disease. *PLoS One* 2016;11:e0159411 (15 pages).
- 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.
- Beumer L, Wong J, **Warden SJ**, Kemp JL, Foster P, Crossley KM. Effects of exercise and manual therapy for hip osteoarthritis: a systematic review and meta-analysis. *Br J Sport Med* 2016;50:458-63.
- Brown T, **Crabtree JL**, Mu K, Wells J. The entry-level occupational therapy clinical doctorate: the next education wave of change in Canada? *Can J Occup Ther* 2016;83:306-16
- Brown T, Mu K, **Crabtree JL**. The occupational therapy clinical doctorate: the next development in pre-registration occupational therapy education? *Br J Occup Ther* 2016;79:725-26
- Clark DO, Lane KA, Ambuehl R, Tu W, **Liu CJ**, Unroe K, Callahan CM. Age differences in the association between body mass index class and annualized medicare expenditures. *J Aging Health* 2016;28:165-79.

8. **Crabtree JL**, Ohm D, Wall JM, Ray J. Evaluation of a prison occupational therapy informal education program: a pilot study. *Occup Ther Int* 2016;23:401-11.
9. **Crabtree JL, Scott PJ, Kuo F**. Peer Observation and Evaluation Tool (POET): a formative peer review supporting scholarly teaching. *Open J Occup Ther* 2016;4:Article 9 (17 pages).
10. **Crabtree JL**, Wall JM, Ohm D. Critical reflections on participatory action research in a prison setting: toward occupational justice. *OTJR-Occup Part Heal* 2016;36:244-52.
11. Durand-Sanchez A, **Massie CL**. Non-invasive brain stimulation in the management of traumatic brain injury. *Brain Inj Prof* 2016;12:16-8.
12. 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.
13. Ferreira AJ, Laing EM, Hausman DB, Hall DB, McCabe GP, Martin BR, Hill Gallant KM, **Warden SJ**, Weaver CM, Peacock M, Lewis RD. Vitamin D supplementation does not impact insulin resistance in black and white children. *J Clin Endocrinol Metab* 2016;101:1710-8.
14. Friedrich-Nel HS, **Mac Kinnon JL**. Mutual expectations in the postgraduate doctoral supervisory relationship. In: M. F-M, Albertyn R, Aitchison C, Bitzer E, editors. *Postgraduate Supervision: Future Foci for the Knowledge Society*. Stellenbosch, South Africa: Sun Media; 2016. p. 157-70.
15. **Kuo F**, Pizzi MA, Chang WP, Koning SJ, Fredrick AS. Exploratory study of the clinical utility of the Pizzi Healthy Weight Management Assessment (PHWMA) among Burmese high school students. *Am J Occup Ther* 2016;70:7005180040p1-9.
16. Lahm T, Frump AL, Albrecht ME, Fisher AJ, Cook TG, Jones TJ, Yakubov B, Whitson J, **Fuchs RK**, Liu A, Chesler NC, **Brown MB**. 17beta-estradiol mediates superior adaptation of right ventricular function to acute strenuous exercise in female rats with severe pulmonary hypertension. *Am J Physiol Lung Cell Mol Physiol* 2016;311:L375-88.
17. Lee CE, **Warden SJ**, Szuck B, Lau YK. 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* 2016;95:561-70.
18. **Li W**, Huang E. An update on type 2 diabetes mellitus as a risk factor for dementia. *J Alzheimers Dis* 2016;53:393-402.
19. **Li W**, Risacher SL, Huang E, Saykin AJ, Alzheimer's Disease Neuroimaging Initiative. Type 2 diabetes mellitus is associated with brain atrophy and hypometabolism in the ADNI cohort. *Neurology* 2016;87:595-600.
20. **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.
21. Linens SW, Ross SE, **Arnold BL**. Wobble board rehabilitation for improving balance in ankles with chronic instability. *Clin J Sport Med* 2016;26:76-82.
22. **Liu CJ**, Jones LY, Formyduval AR, Clark DO. Task-oriented exercise to reduce activities of daily living disability in vulnerable older adults: a feasibility study of the 3-step workout for life. *J Aging Phys Act* 2016;24:384-92.
23. 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* 2016;11:174-80.
24. **Loghmani MT**, Bane S. Instrument-assisted soft tissue manipulation: evidence for its emerging efficacy. *J Novel Physiother* 2016;S3:012 (4 pages).
25. **Loghmani MT**, Whitted M. Soft-tissue manipulation: a powerful form of mechanotherapy. *Journal of Physiotherapy and Physical Rehabilitation* 2016;1:122 (6 pages)
26. Manske RC, Porter A, Quillin D, **Warden SJ**, Burr DB, Brukner PD. Repetitive stress pathology: bone. In: Magee DJ, Zachazewski JE, Quillen WS, editors. *Pathology and Intervention in Musculoskeletal Rehabilitation*. 2nd ed. St. Louis, MO: Saunderson Elsevier 2016. p. 913-37.
27. **Massie CL**, Christenson C, Durand-Sanchez A. Repetitive motor practice impacts neuromuscular system plasticity in healthy and stroke populations. *Int J Neurorehabilitation* 2016;3:221 (4 pages).



28. **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* 2016;30:703-12.
29. Meijome TE, Baughman JT, Hooker RA, Cheng YH, 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.
30. **Munk N**. Departing thoughts from IJTM's Practice & Education Section Editor: critical inquiry, dichotomy vs. continuum, and improving TMB discourse. *Int J Ther Massage Bodywork* 2016;9:1-3.
31. **Munk N**, Shue S, Freeland E, Ralston R, Boulanger KT. 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 Bodywork* 2016;9:3-14.
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33. 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.
34. Richey Smith CE, Ryder P, Bilodeau A, **Schultz M**. Use of an online game to evaluate health professions students' attitudes toward people in poverty. *Am J Pharm Educ* 2016;80:139 (8 pages).
35. Robinson M, **Fisher TF**, Broussard K. Role of occupational therapy in case management and care coordination for clients with complex conditions. *Am J Occup Ther* 2016;70:7002090010p1-6 (6 pages)
36. 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.
37. **Schultz MA**, Doty M. Why the history and physical examination still matter. *J Am Acad Physician Assist* 2016;29:41-5.
38. Sweigart LI, Umoren RA, **Scott PJ**, Carlton KH, Jones JA, Truman B, Gossett EJ. Virtual TeamSTEP(S) simulations produce teamwork attitude changes among health professions students. *J Nurs Educ* 2016;55:31-5.
39. **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* 2016;96:560-9.
40. Uzer G, **Fuchs RK**, Rubin J, **Thompson WR**. Concise review: plasma and nuclear membranes convey mechanical information to regulate mesenchymal stem cell lineage. *Stem Cells* 2016;34:1455-63.
41. **Warden SJ**, Fuchs RK. Do selective serotonin reuptake inhibitors (SSRIs) cause fractures? *Curr Osteoporos Rep* 2016;14:211-8.
42. Weatherholt AM, **Warden SJ**. Tibial bone strength is enhanced in the jump leg of collegiate-level jumping athletes: a within-subject controlled cross-sectional study. *Calcif Tissue Int* 2016;98:129-39.
43. Woodhouse L, Gandhi R, **Warden SJ**, Poiraudreau S, Myers SL, Benson CT, Hu L, Ahmad QI, Linnemeier P, Gomez EV, Benichou O. A phase 2 randomized study investigating the efficacy and safety of myostatin antibody LY2495655 versus placebo in patients undergoing elective total hip arthroplasty. *J Frailty Aging* 2016;5:62-70.
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