CURRICULUM VITAE

Stuart J. Warden, PT, PhD, FACSM

(* designates in rank activities as Associate Professor)

EDUCATION

POSTDOCTORAL

Institution	*Degree*	*Date Awarded*
Indiana University *Mentor: Charles H. Turner, PhD*	Research postdoctorate	2002-2004
Australian Institute of Sport *Principal mentor: Craig R. Purdam, PT, MS, FASMF*	Clinical postdoctorate	2001

GRADUATE

Institution	*Degree*	*Date Awarded*
University of Melbourne (Australia) *Principal advisor: Kim L. Bennell, PT, PhD*	PhD	2001

UNDERGRADUATE

Institution	*Degree*	*Date Awarded*
University of Melbourne (Australia)	B.Physio (Hons)	1997

APPOINTMENTS

ACADEMIC

Institution	*Rank/Title*	*Inclusive Dates*
* Indiana University School of Health and Rehabilitation Sciences	Associate Dean for Research	2013-present
* Indiana University School of Health and Rehabilitation Sciences Department of Physical Therapy	Associate Professor	2010-present
* Indiana University School of Health and Rehabilitation Sciences Center for Translational Musculoskeletal Research	Director	2010-present
* Indiana University School of Medicine Department of Anatomy and Cell Biology,	Associate Professor (Adjunct)	2010-present
* Indiana University-Purdue University Indianapolis Purdue School of Engineering and Technology Department of Biomedical Engineering	Associate Professor (Adjunct)	2010-present
* Indiana University School of Health and Rehabilitation Sciences	Associate Dean for Research (Interim)	2010-2013
* Indiana University School of Health and Rehabilitation Sciences Department of Physical Therapy	Director of Research	2006-2013

Institution	*Rank/Title*	*Inclusive Dates*
Indiana University-Purdue University Indianapolis Purdue School of Engineering and Technology Department of Biomedical Engineering	Assistant Professor (Adjunct)	2010
Indiana University School of Medicine Department of Anatomy and Cell Biology,	Assistant Professor (Adjunct)	2005-2010
Indiana University School of Health and Rehabilitation Sciences Department of Physical Therapy	Assistant Professor	2004-2010
University of Melbourne School of Physiotherapy	Fellow (Lecturer level)	2001-2010
University of Melbourne School of Physiotherapy	Tutor	1998-2001

NON-ACADEMIC

Institution/Entity	*Title*	*Inclusive Dates*
* Eli Lilly and Company	Consultant	2009-2013
* Bioventus	Consultant	2012
Australian Institute of Sport	Physiotherapist	2001
St. Mary's College, University of Melbourne (Aust.)	Tutor	2000
Melbourne University Blues Amateur Football Club	Head Physiotherap.	1999-2001
Team Melbourne, Australian University Games	Head Physiotherap.	1998-2000
Queen's College, University of Melbourne (Aust.)	Resident Tutor	1998-2001
Melbourne University Sports Medicine Clinic (Aust.)	Physiotherapist	1998-2000

LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS

Credential	*Number*	*Inclusive Dates*
* Controlled Substances Registration—Research Facility	#61100835B	2009-present
* Physiotherapists Registration Board of Victoria (Aust.)	#7590	1997-present

PROFESSIONAL ORGANIZATION MEMBERSHIPS

Organization	*Inclusive Dates*
* American Society of Bone and Mineral Research	2003-present
* American College of Sports Medicine	2002-present
* International Bone and Mineral Society	2001-2015
* International Society of Clinical Densitometry	2011-2012
Osteoarthritis Research Society International	2008
Sports Medicine Australia	2005-2006
Australian and New Zealand Bone and Mineral Society	2000-2003
Australian Physiotherapy Association	1998-2002

PROFESSIONAL HONORS AND AWARDS

TEACHING

Award Name	*Granted By*	*Date Awarded*
* Trustees Teaching Award	Indiana University School of Health and Rehabilitation Sciences	2016
* Trustees Teaching Award	Indiana University School of Health and Rehabilitation Sciences	2012
* Early Career Excellence in Teaching Award	American Society of Bone and Mineral	2011

RESEARCH

Award Name	*Granted By*	*Date Awarded*
* Research Frontiers Trailblazer Award	Office of Vice Chancellor for Research, Indiana University–Purdue University Indianapolis	2011
* Excellence Award in Research	Indiana University School of Health and Rehabilitation Sciences	2011, 2010, 2007 & 2006
New Investigator Award (Clinical Science)	American College of Sports Medicine	2006
ASICS Award for Best Young Investigator	Australian Sports Medicine Federation	2005
ASBMR-Harold Frost Young Investigator Award,	35th International Sun Valley Workshop on Skeletal Tissue Biology	2005
AIMM-ASBMR John Haddad Young Investigator Award	Advances in Mineral Metabolism-American Society of Bone Mineral Research John Haddad Young Investigators Meeting	2005
New Investigator Recognition Award	50th Annual Meeting of the Orthopaedic Research	2004
ASBMR Young Investigator Award and Plenary Oral Presentation	American Society of Bone and Mineral Research 25th Annual Meeting	2003
C.J. Martin Postdoctoral Fellowship	National Health and Medical Research Council (Australia)	2002-2004
Alice L. Jee Memorial Young Investigator Travel Award	32nd International Sun Valley Hard Tissue	2002
Young Investigator Travel Award	Australian and New Zealand Bone & Mineral Society 11th Annual Scientific Meeting	2000

Award Name	*Granted By*	*Date Awarded*
Publication Incentive	Australian Physiotherapy Association, Research Committee	1999
Young Investigator Travel Award	Australian and New Zealand Bone & Mineral Society 10th Annual Scientific Meeting	1999
Melbourne Postgraduate Research Scholarship	University of Melbourne (Aust.)	1998-2001

SERVICE

Award Name	*Granted By*	*Date Awarded*
* Certificate of Outstanding Contribution to Reviewing	The Editors of *Bone*, Elsevier Inc.	2015
* Top Reviewer Award 2009-10 for *Bone*	Elsevier Inc.	2010

OVERALL/OTHER

Award name	*Granted By*	*Date Awarded*
* Prestigious External Award Recognition	Indiana University–Purdue University Indianapolis	2012
Finalist, Indy's Best & Brightest Awards (Health & Life Sciences)	Junior Achievement of Central Indiana, Inc.	2009, 2008, 2007 & 2006
Fellowship	American College of Sports Medicine	2007
Outstanding Faculty Award	Indiana University–Purdue University Indianapolis	2007
Finalist, Young Australian of the Year Awards (Commonwealth Minister for Youth Affairs Career Achievement Category)	National Australia Day Council	2002
Postgraduate Scholarship in Physiotherapy	Australian Institute of Sport Centre for Sports Science and Sports Medicine	2001
Freda Kimpton Prize in Anatomy	School of Physiotherapy, University of Melbourne (Aust.)	1997
First Class (Highest) Honours	Bachelor of Physiotherapy course, School of Physiotherapy, University of Melbourne (Aust.)	1997
Dean's Honour's List (2nd-4th years of Bachelor of Physiotherapy course)	Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne (Aust.)	1997, 1996 & 1995

AWARDS TO STUDENTS/MENTEES

Award Name	*Granted By*	*Date Awarded*
* Mary McMillan Scholarship (awarded to Lydia A. George [DPT student] in part for work completed within Dr. Warden's research laboratory)	American Physical Therapy Association	2013
* ASBMR Annual Meeting President's Poster Competition Winner (awarded to Katie Hill [postdoctoral fellow] for work completed in collaboration with and co-authored by Dr. Warden)	2011 American Society of Bone and Mineral Research Annual Meeting	2011
* FASEB Minority Access to Research Careers (MARC) Program Poster/Oral Presentation Travel Award (awarded to Sara M. Mantila Roosa [postdoctoral fellow] to attend the American Society for Bone and Mineral Research 2011 Annual Meeting)	Federation of American Societies for Experimental Biology	2011
* ASBMR Young Investigator Travel Grant (awarded to Sara M. Mantila Roosa [postdoctoral fellow] for work completed within Dr. Warden's research laboratory)	2011 American Society of Bone and Mineral Research Annual Meeting	2011
* ASBMR Young Investigator Award at the 2011 Forum on Aging and Skeletal Health (awarded to Sara M. Mantila Roosa [postdoctoral fellow] for work completed within Dr. Warden's research laboratory)	American Society of Bone and Mineral Research	2011
* Charles H. Turner Young Investigator Bone Research Award (awarded to Sara M. Mantila Roosa [postdoctoral fellow] for work completed within Dr. Warden's research laboratory)	Indiana University	2011
* FASEB Minority Access to Research Careers (MARC) Program Poster/Oral Presentation Travel Award (awarded to Sara M. Mantila Roosa [postdoctoral fellow] to attend the American Society for Bone and Mineral Research 2010 Annual Meeting)	Federation of American Societies for Experimental Biology	2010
* Gary L. Soderberg Doctor of Physical Therapy Scholarship (awarded to Elizabeth D. Bogenschutz [DPT student] in part for work completed within Dr. Warden's research laboratory)	Doctor of Physical Therapy Visionary Foundation, Inc.	2010
* Mary McMillan Scholarship (awarded to Elizabeth D. Bogenschutz [DPT student] in part for work completed within Dr. Warden's research laboratory)	American Physical Therapy Association	2010
Finalist, New Investigator Recognition Award (awarded to David E. Komatsu [postdoctoral fellow] for work completed with Dr. Warden)	55th Annual Meeting of the Orthopaedic Research Society	2009

Award Name	*Granted By*	*Date Awarded*
Alice L. Jee Memorial Young Investigator Award (awarded to David E. Komatsu [postdoctoral fellow] for work completed with Dr. Warden)	37th International Sun Valley Workshop on Skeletal Tissue Biology	2007
William and Fern Groves Hardiman Scholarship (awarded to Ian R. Nelson for work completed within Dr. Warden's laboratory as part of the 'Summer Research in Academic Medicine' program)	Indiana University School of Medicine	2007
Mary McMillan Scholarship (awarded to Keith G. Avin [DPT student] in part for work completed within Dr. Warden's research laboratory)	American Physical Therapy Association	2006
New Investigator Recognition Award (awarded to Kimihiko Sawakami [postdoctoral fellow] for work completed in collaboration with and co-authored by Dr. Warden)	51st Annual Meeting of the Orthopaedic Research Society	2005

TEACHING

TEACHING ASSIGNMENTS

GRADUATE COURSE INSTRUCTION

Course	*Title*	*Credits*	*Format*	*Role*	*Enrollment*	*Term*	*Year*
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	36	Spring	2016
* W680	Independent Study in Health & Rehab Sciences	3	Distant learning/ online	Primary instructor	2	Fall	2015
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	37	Fall	2015
* W692	Dissertation in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Spring	2015
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	37	Spring	2015
* W692	Dissertation in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Fall	2014
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Fall	2014

Course	Title	Credits	Format	Role	Enrollment	Term	Year
* W692	Dissertation in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Spring	2014
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Spring	2014
* W690	Dissertation Proposal in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Fall	2013
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	38	Fall	2013
* W690	Dissertation Proposal in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Spring	2013
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	38	Spring	2013
* W680	Independent Study in Health & Rehab Sciences	3	One-on-one	Primary mentor	1	Fall	2012
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	36	Fall	2012
* W670	Research Practicum in Health & Rehab Sciences	6	One-on-one	Primary mentor	1	Summer	2012
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	36	Spring	2012
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	37	Fall	2011
* P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	37	Spring	2011
* P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Fall	2010

Course	Title	Credits	Format	Role	Enrollment	Term	Year
* W680	Independent Study in Health & Rehab Sciences	3	One-on-one	Primary mentor	1	Summer	2010
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Spring	2010
P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Fall	2009
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Spring	2009
P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	32	Fall	2008
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	32	Spring	2008
P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Fall	2007
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	35	Spring	2007
P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Fall	2006
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Spring	2006
P622	Musculoskeletal Practice Patterns II	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Fall	2005
P541	Musculoskeletal Practice Patterns I	4 (six contact hours)	Lecture and lab	Course coordinator and primary instructor	34	Spring	2006

GRADUATE COURSE GUEST INSTRUCTION

Course	*Title*	*Format*	*Role*	*Term*	*Year*
* W710	Special Topics in Health and Rehab Sciences	Group discussion	Guest discussant for 'Grant funding'	Spring	2016
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2016
* G819	Basic Bone Biology	Lecture	Guest lecturer for 'Quantitative skeletal imaging'	Fall	2015
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2015
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2014
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2013
* P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer for 'Inferential statistics'	Fall	2012
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2012
* P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer for 'Inferential statistics'	Fall	2011
* P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2011
* P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer for 'Inferential statistics'	Fall	2010
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2010
P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer for 'Inferential statistics'	Fall	2009
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2009
P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer for 'Inferential statistics'	Fall	2008
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2008

Course	Title	Format	Role	Term	Year
P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer & discussion panel member for 'Module 5: fellowships & faculty'	Fall	2007
P513	Functional Anatomy and Clinical Biomechanics	Lecture	Guest lecturer for 'Shoulder mechanics'	Fall	2007
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2007
P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer & discussion panel member for 'Module 5: fellowships & faculty'	Fall	2006
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2006
P513	Functional Anatomy and Clinical Biomechanics	Lecture	Guest lecturer for 'Shoulder mechanics'	Fall	2006
P645	Evidenced-Based Critical Inquiry II	Lecture	Guest lecturer & discussion panel member for 'Module 5: fellowships & faculty'	Fall	2005
P513	Functional Anatomy and Clinical Biomechanics	Lecture	Guest lecturer for 'Shoulder mechanics'	Fall	2005
P646	Introduction to Therapeutic Interventions	Lecture and lab	Guest lecturer and instructor for 'Ultrasound therapy'	Spring	2005
P513	Functional Anatomy and Clinical Biomechanics	Lecture	Guest lecturer for 'Shoulder mechanics'	Fall	2004

MENTORING AND STUDENT SUPERVISION

FACULTY MENTORING

Individual	Role	Inclusive Dates
* Ranjani Moorthi, MBBS (Assistant Professor of Medicine)	Co-mentor, NIH Mentored Patient-Oriented Research Career Development Award (K23)	2015-present
* William R. Thompson, DPT, PhD (Assistant Professor of Physical Therapy)	Research mentoring committee member	2014-present
* Keith G. Avin, DPT, PhD (Assistant Professor of Physical Therapy)	Co-mentor, NIH Mentored Clinical Scientist Research Career Development Award (K08)	2014-present
* Wei Li, MD, PhD (Assistant Professor of Physician Assistant)	Faculty mentoring chair	2013-present

Individual	*Role*	*Inclusive Dates*
* Erik A. Imel, MD (Assistant Professor of Medicine)	Co-mentor, NIH Mentored Patient-Oriented Research Career Development Award (K23)	2009-14
* Robyn K. Fuchs, PhD (Assistant Professor of Physical Therapy)	Co-mentor, NIH Mentored Research Scientist Development Award (K01)	2008-13

POST-DOCTORAL FELLOW MENTORING

Individual	*Role*	*Current position*	*Publications*[†]	*Inclusive Dates*
* C. Ellen Lee, PT, PhD	Primary Mentor	Adjunct Faculty, Fairbanks School of Public Health, Indiana University	1	2014-15
* Keith G. Avin, DPT, PhD	Primary mentor	Assistant Professor, Department of Physical Therapy, Indiana University School of Health and Rehabilitation Sciences	2	2013-14
* Sara M. Roosa, PhD	Primary mentor	Principal Clinical Scientist, Stryker	3	2010-11
David E. Komatsu, PhD	Primary mentor	Research Assistant Professor, Stony Brook University	3	2006-08

[†]*Peer-reviewed publications co-authored from work completed with Dr. Warden*

GRADUATE RESEARCH STUDENT MENTORING

Individual	*Role*	*Degree program*	*Current position*	*Publications*[†]	*Inclusive Dates*
* Ryan Cardinal, DPT	Committee Member	PhD in Health and Rehabilitation Sciences, Indiana University School of Health and Rehabilitation Sciences	(Current student)	—	2015-present (part-time student)
* Amy Shay, RN	Minor advisor & committee member	PhD in Nursing Science, Indiana University School of Nursing	(Current student)	—	2014-present
* Alyssa Weatherholt	Committee chair	PhD in Health and Rehabilitation Sciences, Indiana University School of Health and Rehabilitation Sciences	Assistant Professor, College of Health and Human Services, Indiana State University	5	2010-15
* Rachel Dirks	Committee chair	PhD in Anatomy and Cell Biology, Indiana University School of Medicine	Clinical Research Specialist at Community Medical Centers (Fresno, CA)	3	2010-13

Individual	*Role*	*Degree program*	*Current position*	*Publications*[†]	*Inclusive Dates*
* Samuel Leitch	Advisory panel	MS in Sports Medicine, School of Physiotherapy, University of Melbourne	Podiatrist, Ispahan Podiatry and Footwear (Hobart, Tasmania, Australia)	1	2009-12
M. Terry Loghmani, PT	Committee Chair	PhD in Anatomy and Cell Biology, Indiana University School of Medicine	Associate Professor, Department of Physical Therapy, Indiana University School of Health and Rehabilitation Sciences	2	2004-10 (part-time student)
Kaviraj Thancana-mootoo	Co-supervisor	Bachelorette of Medical Sciences, School of Physiotherapy, University of Melbourne	Physician, Melbourne Health (Melbourne, Victoria, Australia)	1	2004
Alister B.T. Ooi	Co-supervisor	Bachelorette of Medical Sciences, School of Physiotherapy, University of Melbourne	Consultant Anesthetist, Box Hill Hospital (Melbourne, Victoria, Australia)	1	2004

[†]*Peer-reviewed publications co-authored from work completed with Dr. Warden*

GRADUATE PROFESSIONAL STUDENT MENTORING

Individual	*Role*	*Publications*[†]	*Inclusive Dates*
* Piper Prange	DPT student research assistant	—	2016-present
* Colleen Gorkis	DPT student research assistant	—	2016-present
* Jackie Fletcher	DPT student research assistant	—	2015-present
* Courtney Goldsbury	DPT student research assistant	—	2015-present
* Drew Mitchell	Doctor of Medicine summer student	—	2016
* Jethro McConnell	DPT student research assistant	1	2015
* Andrew Gudeman	Doctor of Medicine summer student	—	2015
* Danielle Farmer	DPT student research assistant	1	2014-15
* Trent Crandall	DPT student research assistant	1	2014-15
* Rick Barker	DPT student research assistant	1	2012-14
* Elizabeth Guildenbecher	DPT student research assistant	2	2012-14
* Lydia George	DPT student research assistant	3	2011-13
* Jeffrey Richard	DPT student research assistant	4	2010-13
* Ashley M. Judd	DPT student research assistant	1	2009-11
Heather D. Smith	DPT student research assistant	4	2008-10
Elizabeth D. Bogenschutz	DPT student research assistant	4	2008-10
Erin L. Hilles	DPT student research assistant	1	2008
Jamie D. Grogg	DPT student research assistant	1	2008
Sean M. Hassett	DPT student research assistant	2	2007-08
Julie L. Bond	DPT student research assistant	2	2007
Johanna Rydberg	DPT student research assistant	2	2007
Paul Crister	Doctor of Medicine summer student	—	2006

Individual	Role	Publications†	Inclusive Dates
Ian R. Nelson	Doctor of Medicine summer student	2	2006
Lynn Taylor	DPT student research assistant	—	2006
Bobby Lassiter	DPT student research assistant	—	2006
Mark A. Watson	DPT student research assistant	1	2005-06
Christopher K. Kessler	Doctor of Medicine summer student	1	2005
Ryan E. Cardinal	DPT student research assistant	1	2005
Erin M. Beck	DPT student research assistant	1	2005
Marie E. DeWolf	DPT student research assistant	1	2005
Kristen M. Martin	DPT student research assistant	1	2005
Molly A. Hagemeier	DPT student research assistant	1	2005
Keith A. Avin	DPT student research assistant	3	2004-05
Megan S. Sanders	Doctor of Medicine summer student	2	2004

†Peer-reviewed publications co-authored from work completed with Dr. Warden

UNDERGRADUATE STUDENT MENTORING

Individual	Role	Publications†	Inclusive Dates
* Jeffrey Travers	Undergraduate	—	2011
Rachel Deal	Indiana University School of Medicine BioMedical Gateway (IBMG) participant	1	2010
Anthony R. Gutierrez	STEM (Science, Technology, Engineering and Math) Initiative participant	1	2008
Lauren Waugh	Franklin University	1	2004

†Peer-reviewed publications co-authored from work completed with Dr. Warden

RESEARCH/CREATIVE ACTIVITY

ACTIVE RESEARCH GRANTS/FELLOWSHIPS (sorted by end date)

Title	Granting Agency	Role	Effort	Amount	Dates
* Comprehensive Training Program in Musculoskeletal Research	NIH-NIAMS (T32 AR065971)	Program faculty (PI-Burr)	0 cal	$1,250,000	07/01/15-06/30/21
* Mechanisms of interventions to ameliorate sarcopenia in chronic kidney disease	NIH-NIDDK (K08)	Co-mentor (PI–Avin)	0 cal	$674,186	07/01/16-06/30/21
* Longitudinal assessment of skeletal muscle physiology in dialysis patients	NIH-NIDDK (K23 DK102824)	Co-mentor (PI-Moorthi)	0 cal	$862,963	08/01/15-05/31/20
* Rehabilitation Enhanced by Partial Arterial Inflow Restriction (REPAIR) study	John Hopkins University	Co-PI	0.6 cal	$412,220	07/01/16-12/31/19
* Electroacupuncture promotes soft tissue repair and bone regeneration via recruitment of mesenchymal stem cells	Department of Defense	Co-I (PI-Boulton)	0.6 cal	$312,000	10/01/16-09/30/17

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Localizing the skeletal effects of serotonin transporter inhibition	IUPUI Office of the Vice Chancellor for Research	PI	0 cal	$35,000	01/01/16-12/31/16

COMPLETED RESEARCH GRANTS/FELLOWSHIPS (sorted by end date)

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Maximizing PTH anabolic osteoporosis therapy	Department of Defense (W81XWH-13-1-0129)	Co-I (PI-Bidwell)	1.1 cal	$1,152,533	03/01/13-02/29/16
* SkyScan 1176 Micro-CT System	NIH-NCRR (S10 OD016208)	Co-I (PI-Williams)	0 cal	$382,900	09/15/14-09/15/15
* Sustainability of exercise-induced gains in bone structure and estimated strength	NIH-NIAMS (R01 AR057740)	PI	1 acad, 3 sum	$1,062,230	05/01/10-04/30/15
* Localizing the skeletal effects of the serotonin transporter	IU Office of the Vice President for Research	PI	0 cal	$69,000	03/15/13-09/15/14
* FGF23 in pediatric phosphate physiology and X-linked hypophosphatemic rickets	NIH-NIAMS (K23 AR057096)	Co-mentor (PI–Imel)	0 cal	$598,008	07/01/09-06/30/14
* Indiana Center for Translational Musculoskeletal Research	IUPUI Office of the Vice Chancellor for Research	PI	0 cal	$300,000	07/01/10-06/30/13
* The role of periostin in bone formation	NIH-NIAMS (K01 AR054408)	Co-mentor (PI–Fuchs)	0 cal	$600,857	07/01/08-06/30/13
* Secreted Wnt antagonists in disuse-induced osteoporosis	Department of Defense (W81XWH-10-1-0284)	Co-I (PI-Robling)	1 acad	$1,062,982	02/01/10-01/31/13
* Extent, causes, and countermeasures of impaired fracture healing in hypogravity	National Space Biomedical Research Institute (MA01604)	PI Subcont. (PI–Midura)	1 acad	$1,789,968 ($337,395 subcontra.)	05/01/08-12/31/12
* Refinement and accuracy of a device to quantify the number and relative hardness of baseball throws	Indiana CTSI	PI	0 cal	$20,000	09/16/11-09/15/12
* Long-term skeletal effects of exercise during growth	NIH-NIAMS (R15 AR056858)	PI	1 acad, 1 sum	$231,000	09/01/09-08/31/12

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Supplemental vitamin D and functional outcomes in early adolescence	NIH-NICHD (R01 HD057126)	Co-I (PI–Lewis)	1 acad	$1,076,127	08/15/09-07/31/11
The function of neurotransmitters in bone biology	NIH-NIAMS (R01 AR052018)	Co-I (PI–Bliziotes)	3 sum	$1,480,725	09/20/05-08/31/10
DXA and pQCT measures in a single-dose, dose-escalation study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of LY2541546 in healthy postmenopausal women	Eli Lilly and Company, Inc.	PI	0 cal	$11,150	06/19/08-03/09/09
DXA and pQCT measures in a multiple-dose, dose-escalation, safety, tolerability, and pharmacokinetic study of LY2452473 in healthy subjects	Eli Lilly and Company, Inc.	PI	0 cal	$14,400	07/01/08-01/02/09
Investigations into pharmaceutical effects on fracture repair	Eli Lilly and Company, Inc.	PI	0 cal	$166,000	12/06/05-12/05/08
Tissue-level efficacy of cross-fiber massage following ligament injury	Massage Therapy Foundation	PI	0 cal	$19,253	01/01/07-12/31/07
Development of biodegradable, load bearing DBM carrier	NIH-NIAMS (R03 EB005426)	Consultant (PI–Chu)	0 cal	$147,586	09/01/05-08/31/07

AWARDED, BUT DECLINED RESEARCH GRANTS/FELLOWSHIPS (sorted by end date)

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Lifelong skeletal benefit of exercise during growth	NIH-NIAMS (F32)	Sponsor (PI-Mantila Roosa)	0 cal	$151,482	01/01/10-12/31/14
Lifelong skeletal benefit of exercise during growth	NIH-NIAMS (F31)	Sponsor (PI-Avin)	0 cal	$130,760	06/01/08-05/31/12

PENDING RESEARCH GRANTS/FELLOWSHIPS (sorted by end date)

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Long-term benefit to the proximal femur of exercise completed when young	NIH/NIAMS (R01)	PI	1.5 cal	$1,926,656	04/01/17-03/31/22

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Localizing the skeletal effects of serotonin transporter inhibition	NIH-NIAMS (R15)	PI	1.5 cal	$471,000	09/01/16-08/31/19
* Biomechanics of the patellar tendon in basketball players with patellar tendinopathy: clinical implications for patient assessment and rehabilitation	NBA/GE	Co-I (PI-Scott)	0 cal	$300,000	07/01/16-06/30/19
* Denosumab for glucocorticoid-treated children with rheumatic disorders	NIH/NIAMS (R21)	Co-I (PI-Imel)	0.5 cal	$419,644	07/01/16-06/30/18
* Longitudinal assessment of skeletal muscle physiology in dialysis patients	Central Society for Clinical and Translational Research Early Career Development Award	Co-mentor (PI-Moorthi)	0 cal	$10,000	07/01/16-06/30/17

SUBMITTED, BUT NOT FUNDED RESEARCH GRANTS/FELLOWSHIPS (sorted by end date)

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Indiana Resource-Based Center for Musculoskeletal Health	NIH-NIAMS (P30)	Center faculty (PI-Econs)	0 cal	$1,147,811	04/01/16-03/31/21
* Hematopoietic endogenous cellular stimulation and neoangiogenesis augmentation to heal segmental bone defects in military-relevant animal models	Department of Defense	Co-I (PI-McKinley)	0.6 cal	$9,999,981	09/30/15-09/29/20
* The effects of unloading on segmental bone defect healing	Department of Defense	Co-I (PI-Kacena)	1 cal	$1,617,383	09/30/15-09/29/18
* Study of molecular perturbation mediated by segmental bone defect in extraterrestrial environment: a multi-omics approach with pyrosequencing focus	National Space Biomedical Research Institute/Geneva Foundation	Co-PI (subcontract)	0.24 cal	$404,363	01/01/15-12/31/17
* Duchenne muscular dystrophy, muscle-bone relationships and denosumab	NIH-NIAMS (R01)	Co-I (PI-Imel)	1 cal	$2,994,349	07/01/14-06/30/19

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
* Surgical interventions and socket designs with transfemoral amputations	DoD Peer Reviewed Orthopaedic Clinical Trial Award	Co-I (PI-Kacena)	0.6 cal	$3,546,036	07/01/14-06/30/18
* The effects of Botox on bone properties in children with cerebral palsy	NIH-NICHD (R15)	Co-I (PI-Fuchs)		$468,000	09/01/13-08/31/16
* Novel interventions for the prevention and treatment of osteoporosis: center of research translation	NIH-NIAMS (P50)	Co-I (PI-Econs)		$1,560,063	07/01/12-06/30/12
* FGF23 as a novel bone anabolic	Department of Defense	Co-I (PI-White)		$192,500	09/30/12-03/31/14
* Stratec XCT 3000 Clinical Peripheral Quantitative Computed Tomography machine	NIH-NCRR (S10)	PI	0 cal	$249,888	04/01/11-03/31/12
* Direct skeletal effects of 5-HT transporter inhibition and LRP5	NIH-NIAMS (R01)	PI	1 acad/3 sum	$1,925,000	06/01/10-05/30/15
* Mechanisms for beneficial effects of cross fiber massage during ligament healing	NIH-NCCAM (R01)	PI	1 acad/3 sum	$1,208,000	06/01/10-05/31/14
* Active blood perfusion for bone healing	NIH-NIAMS (R21)	Co-I (PI-Yokota)		$423,500	04/01/10-03/31/14
Participation in a randomized controlled trial of the influence of dairy on bone mass accrual, bone size, and fat and lean body mass in early pubertal over- and healthy-weight girls	ASBMR Career Enhancement Award	PI	3.6 acad	$55,000	01/01/10-12/31/10
Hemiplegic cerebral palsy hand tele-rehabilitation with virtual reality videogames	NIH-NINDS (R01)	Co-I (PI-Golomb)		$1,895,190	12/01/09-11/30/14
Development of a novel animal model for knee osteoarthritis	NIH-NIAMS (R21)	PI	2.5 acad	$327,500	01/01/08-12/31/09
Long-term skeletal effects of mechanical loading during growth	NIH-NIAMS (R03)	PI	1.8 acad	$227,000	08/01/07-07/31/10
A novel animal model of Achilles tendon degeneration	NIH-NIAMS (R21)	PI	2.7 acad	$313,364	08/01/07-07/31/09

Title	*Granting Agency*	*Role*	*Effort*	*Amount*	*Dates*
Ultrasound therapy during fracture repair: effect of dose and drug interactions	NIH-NIAMS (R15)	PI	1 acad/1 sum	$226,750	07/01/07-06/30/10
Estrogen effects on ligament biomechanics	NIH-NIAMS (R03)	PI	4 acad	$150,500	01/01/05-12/31/06
Repair of segmental bone defects using a novel, biodegradable, load-bearing carrier for demineralized bone matrix	AO Foundation	PI	0 cal	$35,805	01/01/05-12/31/05

CLINICAL TRIAL INVOLVEMENT

PHARMACEUTICAL INDUSTRY INITIATED CLINICAL TRIALS

Title	*Organization*	*Role*	*Date*
* Phase 2a study of interferon gamma-1b for the treatment of Autosomal Dominant Type 2 Osteopetrosis (ADO2)	Horizon Pharma Ireland, Ltd.	Trial investigator (pQCT measures of bone density)	2016-present
* A phase 2 open-label trial to assess the efficacy and safety of KRN23, an antibody to FGF23, in subjects with tumor-induced osteomalacia (TIO) or epidermal nevus syndrome (ENS)	Ultragenyx Pharmaceutical	Study site physical therapist (performance of physical function assessments)	2015-present
* A phase 2b, open-label, long-term extension study to evaluate the safety and pharmacodynamics of KRN23 in adult subjects with X-linked hypophosphatemia	Ultragenyx Pharmaceutical	Study site physical therapist (performance of physical function assessments)	2015-present
* A randomized, open-label, dose finding, phase 2 study to assess the pharmacodynamics and safety of the anti-FGF23 antibody, KRN23, in pediatric patients with X-linked hypophosphatemia	Ultragenyx Pharmaceutical	Study site physical therapist (performance of physical function assessments)	2014-present
* A phase 2 randomized study to investigate the efficacy and safety of LY2495655 versus placebo in older patients undergoing elective total hip arthroplasty (eTHA)	Eli Lilly and Company, Inc.	Trial consultant (wrote operations manual, recorded videos and trained investigators for performance of physical function tests)	2012-13
* A randomized phase 2 placebo-controlled study of LY2495655 in patients with advanced or metastatic pancreatic cancer receiving chemotherapy	Eli Lilly and Company, Inc.	Trial consultant (wrote operations manual, recorded videos and trained investigators for performance of physical function tests)	2011-12
* A phase 2 randomized study to investigate the efficacy and safety of LY2495655 versus placebo in older patients who have fallen recently and have muscle weakness	Eli Lilly and Company, Inc.	Trial consultant (wrote operations manual, recorded videos and trained investigators for performance of physical function tests)	2010-12

Title	*Organization*	*Role*	*Date*
A multiple-dose, dose-escalation study to assess the safety, pharmacokinetics, and pharmacodynamics of subcutaneous and intravenous LY2495655 in sedentary older subjects (phase I trial)	Eli Lilly and Company, Inc.	Trial investigator (performed DXA and pQCT assessment of muscle mass and size)	2009-10
A single-dose, dose-escalation study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of LY2541546 in healthy postmenopausal women (phase I trial)	Eli Lilly and Company, Inc.	Trial investigator (performed DXA and pQCT assessment of bone mass and size)	2008-09
A multiple-dose, dose-escalation, safety, tolerability, and pharmacokinetic study of LY2452473 in healthy subjects (phase I trial)	Eli Lilly and Company, Inc.	Trial investigator (performed DXA and pQCT assessment of bone and muscle mass and size)	2008-09

ACADEMIA INITIATED CLINCAL TRIALS

Title	*Funding source*	*Role*	*Date*
* REPAIR: Rehabilitation Enhanced by Partial Arterial Inflow Restriction	Department of Defense	Study site co-principal investigator	2016-present
* GAPI Trial (GeorgiA-Purdue-Indiana Trial): supplemental vitamin D and functional outcomes in early adolescence	National Institutes of Health	Study site investigator (performance of anthropometric measures of growth, and DXA and pQCT assessments of body composition and bone and muscle mass and size)	2010-11
* Influence of dairy on bone mass accrual, bone size and fat and lean body mass in early pubertal girls: a metabolic study and a randomized controlled trial	Dairy Management, Inc./National Dairy Council	Study site investigator (performance of anthropometric measures of growth, and DXA and pQCT assessments of body composition and bone and muscle mass and size)	2009-12

INVITED PRESENTATIONS

LOCAL/REGIONAL

Title	*Organization*	*Date*
* Lifelong skeletal benefits of exercise during growth: an exercise in research translation and bone structure	Indiana University School of Health and Rehabilitation Sciences Interdisciplinary Continuing Education and Research Conference, (Indianapolis, IN)	Nov 17, 2012
Exercise during growth builds bigger (and stronger) bones for a lifetime	IUPUI Research Day 2009 (Indianapolis, IN)	Apr 24, 2009

Title	*Organization*	*Date*
Stress fractures	St Francis Sports Medicine (Indianapolis, IN)	Oct 23, 2008
Ultrasound therapy	St Francis Sports Medicine (Indianapolis, IN)	Jun 26, 2008
Ultrasound therapy	REBOUND Rehabilitation and Sports Medicine (Bloomington, IN)	Nov 29, 2007
Exercise during growth has life-long benefits on bone health	Indiana Bone and Mineral Club meeting, Indiana University (Indianapolis, IN)	Feb 7, 2007
A new direction for ultrasound therapy in rehabilitation	Department of Anatomy and Cell Biology Seminar Series, Indiana University (Indianapolis, IN)	Jan 24, 2006
Tendon overuse injuries	Riverview Health and Fitness (Noblesville, IN)	Jan 20, 2006

NATIONAL

Title	*Organization*	*Date*
* Primer on mechanobiology	5th Annual Symposium on Regenerative Rehabilitation (Atlanta, GA)	Oct 15, 2016 (scheduled to speak)
* Role of exercise/movement in preserving bone strength	Bone Health and Osteoporosis in Duchenne Muscular Dystrophy: Spanning Translational Research and Clinical Care (Bethesda, MD)	May 12, 2016
* Lifelong skeletal benefits of exercise during growth: an exercise in bone structure	Orthopaedic Surgery Research Conference, University of California San Diego (San Diego, CA)	Jul 14, 2014
* Response of bone to functional loading	Education session: 'Response of cartilage, bone, and muscle to functional loading'. American Physical Therapy Association Combined Sections Meeting (Las Vegas, NV)	Feb 6, 2014
* Basic science and animal models of mechanical strain and bone	Education session: 'Exercise and bone health: jumping to shaking to progressive resistance'. American Physical Therapy Association Combined Sections Meeting (Las Vegas, NV)	Feb 6, 2014
* Lifelong skeletal benefits of exercise during growth: an exercise in bone structure	Department of Radiology and Biomedical Imaging, University of California San Francisco (San Francisco, CA)	Jan 10, 2014
* Barefoot running	Spine and Sport Rehabilitation Running Symposium, Rehabilitation Institute of Chicago (Chicago, IL)	Mar 30, 2012

Title	*Organization*	*Date*
* Lifelong skeletal benefits of exercise during growth: an exercise in research translation and bone structure	College of Health and Rehabilitation Sciences: Sargent College, Boston University (Boston, MA)	Mar 23, 2012
* Does barefoot running increase or decrease skeletal injury risk?	Symposium: 'Barefoot running: so easy a caveman did it! 2011 Annual Meeting of the American College of Sports Medicine and World Congress on Exercise is Medicine (Denver, CO)	Jun 2, 2011
* Does barefoot running increase or decrease skeletal injury risk?	Education session: 'Barefoot running: so easy a caveman did it! American Physical Therapy Association Combined Sections Meeting (New Orleans, LA)	Feb 10, 2011
Tips for successful scientific writing	Kevin Granata Keynote Lecture, 2nd South Central American Society Biomechanics Conference (Denton, TX)	Feb 12, 2010
Exercise in the elderly: stand up straight and don't fall over	Education session: 'Skeletal effects of exercise/mechanical loading across the lifespan: evidence from basic science and clinical studies'. American Physical Therapy Association Combined Sections Meeting (Las Vegas, NV)	Feb 11, 2009
Methods of assessing the skeletal effects of exercise	Education session: 'Skeletal effects of exercise/mechanical loading across the lifespan: evidence from basic science and clinical studies'. American Physical Therapy Association Combined Sections Meeting (Las Vegas, NV)	Feb 11, 2009
What features of a mechanical load are important to bone adaptation?	Education session: 'Skeletal effects of exercise/mechanical loading across the lifespan: evidence from basic science and clinical studies'. American Physical Therapy Association Combined Sections Meeting (Las Vegas, NV)	Feb 11, 2009
Treatment of stress fractures	Education session: 'Evidenced-based prevention and treatment of lower extremity stress fractures'. American Physical Therapy Association Combined Sections Meeting (Nashville, TN)	Feb 7, 2008
Pathophysiology and risk factors for stress fractures	Education session: 'Evidenced-based prevention and treatment of lower extremity stress fractures'. American Physical Therapy Association Combined Sections Meeting (Nashville, TN)	Feb 7, 2008

Title	*Organization*	*Date*
Mechanical loading and stress fractures	State of the Science Stress Fracture Research Conference, Bone Health and Military Medicine Research Program, US Army Medical Research and Materiel Command (Columbia, SC)	Feb 6, 2008
Stress fractures	Osteoporosis: A Health Concern for All Generations (University of Cincinnati, OH)	Oct 19, 2007
Bone overuse injuries	Advances in Mineral Metabolism/American Society of Bone and Mineral Research John Haddad Young Investigators' Meeting (Snowmass, CO)	Apr 10, 2007
What is the role for bone stimulators?	Highlighted symposium: 'When bone fails from activity: optimizing evaluation and management'. 53rd Annual Meeting of the American College of Sports Medicine (Denver, CO)	Jun, 2006
Stress fractures	The 7th Annual Bone Day: Modern Approaches to Diagnosis & Treatment of Osteoporosis, University of Cincinnati (Cincinnati, OH)	Apr 7, 2006
Epidemiology and clinical risk factors for stress fractures	American Society of Bone and Mineral Research 27th Annual Scientific Meeting (Nashville, TN)	Sept, 2005
Mechanical loading during growth has long-term benefits to skeletal health	35th International Sun Valley Hard Tissue Workshop (Sun Valley, ID)	Aug, 2005
Short- and long-term effects of mechanical loading on the skeleton	Advances in Mineral Metabolism/American Society of Bone and Mineral Research John Haddad Young Investigators' Meeting (Snowmass, CO)	Apr, 2005
Cortical bone augmentation with mechanical loading is best at a loading frequency of 10 Hz	2004 Society for Experimental Mechanics X International Congress & Exposition on Experimental and Applied Mechanics (Costa Mesa, CA)	Jun 9, 2004

INTERNATIONAL

Title	*Organization*	*Date*
* The role of electrotherapy in sports physiotherapy	International Olympic Committee's Diploma in Sports Medicine	Nov 11, 2015
* Lifelong skeletal benefits of exercise during growth: an exercise in structure	School of Allied Health, College of Science, Health and Engineering, La Trobe University (Bundoora, Victoria, Australia)	Mar 30, 2015

* Lifelong skeletal benefits of exercise during growth: an exercise in structure	Department of Mechanical Engineering, Melbourne School of Engineering, The University of Melbourne (Melbourne, Victoria, Australia)	Jun 9, 2011
Is exercise during growth beneficial to osteoporotic fracture risk?	Australian Conference of Science and Medicine in Sport (Melbourne, Victoria, Australia)	Oct 15, 2005
Ultrasound therapy works!—A new direction for ultrasound in sports medicine	Australian Conference of Science and Medicine in Sport (Melbourne, Victoria, Australia)	Oct 14, 2005
Use and effects of instrument-assisted soft tissue massage	13th Annual Soft Tissue Injury Forum, Olympic Park Sports Medicine Centre (Melbourne, Victoria, Australia)	Oct 11, 2005
Healing defects following opening wedge high tibial osteotomy	Combined New Zealand and Australian Knee and Sports Surgery Society Meeting (Queenstown, New Zealand)	Oct 9, 2001

PODCASTS

Title	*Organization*	*Date*
* Discussion—Full-text publication of abstract-presented work in physical therapy: do therapists publish what they preach?	For *Physical Therapy* journal [http://ptjournal.apta.org/content/91/2/234/suppl/DC1]	Feb 2011
Debate—Ultrasound and evidence: are they compatible?	For *Physical Therapy* journal [http://ptjournal.apta.org/content/87/8/986/suppl/DC1]	Dec 2007

MEDIA INTERVIEWS

Interview type and topic	*Media organization*	*Date*
* Phone interview on prophylactic use of anti-inflammatory drugs in athletes	Frankfurter Allgemeine Sonntagszeitung (German national weekly newspaper)	May 25, 2016
* Phone interview on anti-myostatin antibody treatment for improving muscle mass and power	IU Office of University Communications	Dec 28, 2015
* Phone interview on the long-term skeletal benefits of exercise	Parents magazine	Apr 24, 2014
* Phone interview on the appropriate use of anti-inflammatory drugs	Outside magazine	Jan 16, 2013
* Email-based interview on the appropriate use of anti-inflammatory drugs	UC Berkeley Wellness Letter	Jan 15, 2013
* Phone interview on gastric effects of combined exercise and anti-inflammatory drugs	Men's Health magazine	Dec 6, 2012

Interview type and topic	*Media organization*	*Date*
* On camera interview on gastric effects of combined exercise and anti-inflammatory drugs	CBC TV News (Canada)	Dec 6, 2012
* Email-based interview on gastric effects of combined exercise and anti-inflammatory drugs	New York Times	Dec 2, 2012
* Phone interview on prophylactic use of anti-inflammatory drugs in recreational athletes	Chicago Tribune	Oct 3, 2012
* Email-based interview on the influence of training surface on running related injuries	Competitor magazine	May 24, 2012
* Email-based interview on the prophylactic use of non-steroidal anti-inflammatory medications by athletes	BBC	May 15, 2012
* Phone interview on barefoot running and anti-inflammatory drug use in athletes	Outside magazine	Nov 1, 2011
* Email-based interview on the influence of training surface on running related injuries	Sport Life (Brazil)	Jul 28, 2011
* Phone interview on the influence of training surface on running related injuries	New York Times	Jun 30, 2011
* Email-based interview on the risks and benefits of barefoot running	NBC's iVillage	Jun 1, 2011
* Phone interview on the risks and benefits of barefoot running	IU Office of University Communications	May 25, 2011
* Phone interview on the casual use of non-steroidal anti-inflammatory medications by athletes	Legacy for Life	May 24, 2011
* Phone interview on prophylactic use of anti-inflammatory drugs in recreational athletes	Vogue magazine	Mar 14, 2011
* Email-based interview on the use of anti-inflammatory drugs to treat musculoskeletal pain	Men's Health magazine	Oct 25, 2010
* Email-based interview on the positive health effects of exercise in the elderly	New Scientist magazine	Jun 27, 2010
Phone interview on the role of serotonin in bone health	IBMS BoneKEy	Mar 30, 2010
Phone interview on alternative therapies for the management for bone 'bruises'	Slate Magazine	Feb 14, 2010

Interview type and topic	*Media organization*	*Date*
Email-based interview on evidence-based medicine	Miller-McCune magazine	Dec 30, 2009
Phone interview on anti-inflammatory drug use in recreational athletes	IU Office of University Communications	Dec 2, 2009
Phone interview on NSAID use in recreational athletes	Fitness Magazine	Nov 30, 2009
Phone interview on the use of NSAIDs in the management of exercise-induced headaches	Fitness Magazine	Oct 22, 2009
Phone interview on painkiller and anti-inflammatory drugs use among athletes	New York Times	Aug 19, 2009
Email-based interview on lower extremity stress fractures in adolescent athletes	Today in PT	Aug 29, 2008
Email-based interview on the effects of patellar taping and bracing for the treatment of chronic knee pain	Men's Health magazine	Apr 17, 2008
Email-based interview on the effects of patellar taping and bracing for the treatment of chronic knee pain	Reuters Health	Feb 15, 2008
Phone interview on knee bracing for osteoarthritis	Indianapolis Star	Oct 16, 2007
Email-based interview on the life-long skeletal benefits of exercise during growth	First for Women magazine	Jan 9, 2007
Email-based interview on the life-long skeletal benefits of exercise during growth	Diario Médico	Dec 12, 2006
Phone interview on the life-long skeletal benefits of exercise during growth	WFYI 90.1 FM	Dec 8, 2006
Phone interview on the life-long skeletal benefits of exercise during growth	Reuters Health	Dec 6, 2006
Phone interview on the beneficial effects of ultrasound therapy and negatives effects of NSAIDs following ligament injury	Reuters Health	Jul 19, 2006
In-studio interview on the potential negative effects of antidepressants on bone health	WFYI 90.1 FM for the 'Sound Medicine' program	Nov 9, 2004

Interview type and topic	*Media organization*	*Date*
Phone interview on the potential negative effects of antidepressants on bone health	NBC News	Nov 11, 2004
Phone interview on the potential negative effects of antidepressants on bone health	WebMD	Nov 9, 2004
Phone interview on the potential negative effects of antidepressants on bone health	HealthDay (consumer health news provider)	Nov 5, 2004

SELECT MEDIA EXPOSURE

Title	*Media source*	*Date*
* Ask Well: Do Pain Relievers Heal Tendinitis, or Just Ease Pain? [Weblink]	The New York Times	Apr 12, 2016
* Promising results in treating decline in muscle mass and power in elderly [Weblink]	South China Morning Post	Dec 31, 2015
* Play Ball!	Parents magazine (p.78)	Sep 31, 2014
* Retired Athletes Have Big Bones: Health Advantages of Exercise Persist for Former Ballplayers [Weblink]	Science News magazine (p.10-11)	May 3, 2014
* Physical Activity Brings Lasting Bone Benefits [Weblink]	NIH Research Matters	Mar 31, 2014
* Exercise in Youth Boosts Bone Strength Later: Study [Weblink]	U.N. News & World Report	Mar 28, 2014
* How to Bulk Up Your Bones [Weblink]	Science Magazine/AAAS	Mar 24, 2014
* Q: Can I use painkillers in my workout? [Weblink]	Outside Magazine (p.76)	Apr, 2013
* Should Athletes Avoid Ibuprofen? [Weblink]	Men's Health Magazine	Dec 10, 2012
* Ibuprofen Use By Athletes May Cause Harm [Weblink]	CBC News	Dec 6, 2012
* Doctors: Marathoners' reliance on painkillers poses risks down the road [Weblink]	Chicago Tribune	Oct 5, 2012
* FIFA alarmed at widespread 'abuse' of painkillers [Weblink]	BBC News	Jun 5, 2012
* Counter Culture	Vogue Magazine (p.219)	Feb, 2012
* The 10 Biggest Fitness Myths [Weblink]	Outside Magazine (p.82 and 84)	Jan, 2012

Title	*Media source*	*Date*
* For Runners, Soft Ground Can Be Hard on the Body [Weblink]	The New York Times (p.D5)	Jul 19, 2011
Too Much of a Good Thing	Men's Health Magazine (p.97)	Feb 2011
A Joint Effort: How to Protect Your Game's Most Important Allies	Tennis Magazine (p.59)	Jun 2010
Sweet Relief: Popping OTC Pain Relievers Can Have Bitter Consequences	Fitness Magazine (p.160 and 162)	May, 2010
Stop the Pounding: Ease Headaches with Exercise	Fitness Magazine (p.114)	Mar, 2010
Phys Ed: Does Ibuprofen Help or Hurt During Exercise? [Weblink]	The New York Times	Sep 1, 2009
Wrap Star (taping to decrease knee pain) [Weblink]	Men's Health Magazine (p.36)	Aug, 2008
Unloader Knee Brace Helps, But it's Not a Quick Fix	Indiana Therapists Quarterly (p.14)	Winter 2007
Exercise a Boon for Kids' Bones	First for Women Magazine (p.100)	Apr 16, 2007
Particularly High Impact Activity Key to Bone Health	L.A. Health News Magazine (p.26)	Jan 2007

SERVICE

UNIVERSITY SERVICE

DEPARTMENT

Activity	*Role*	*Inclusive Dates*
* Research leadership	Director of Research	2006-2013
* Student Advising Program	Advisor	2004-2013
* Student Mentoring Program	Faculty contact for Anatomy and Biomechanics	2005-2013
Student Mentoring Program	Founder and Lead Faculty Contact	2005-2008
'Forward Motion' department alumni newsletter	Founding Editor-in-Chief	2006-2008

SCHOOL

Activity	*Role*	*Inclusive Dates*
* Research leadership	Associate Dean for Research	2013-present
* School leadership committee	Member	2010-present
* Search and Screen Committee (Assistant Business Manager, School of Health and Rehabilitation Sciences)	Member (Staff recruited-Paige Hummel, MBA)	2016

Activity	*Role*	*Inclusive Dates*
* Research leadership	Interim Associate Dean for Research	2010-2013
* Search and Screen Committee (Tenure-track faculty member, Department of Physical Therapy)	Chair (Faculty recruited-Mary Beth Brown, PT, ATC, PhD)	2011
* Search and Screen Committee (Associate Dean for Research/Chair, Department of Health Sciences)	Member (Failed search)	2010
Search and Screen Committee (Chair, Department of Physical Therapy)	Member (Chair recruited-Peter Altenburger, PT, PhD)	2009
Academic Affairs and Research Development Committee	Member Chair	2004-2008 2005-2007
Search and Screen Committee (Dean, School of Health and Rehabilitation Sciences)	Member (Dean recruited-Augustine Agho, PhD)	2008
Doctor of Philosophy Development Task Force	Member	2006-2007
Search and Screen Committee (Tenure-track faculty member, Department of Physical Therapy)	Member (Faculty recruited-Peter Altenburger, PT, PhD)	2007
Search and Screen Committee (Director of Clinical Education, Department of Physical Therapy)	Member (Director recruited-Valerie Strunk, PT)	2007
Search and Screen Committee (Tenure-track faculty member, Department of Physical Therapy)	Member (Faculty recruited-Tracy Dierks, PhD)	2005

CAMPUS/UNIVERSITY

Activity	*Role*	*Inclusive Dates*
* Council of Associate Deans for Research, Office of Vice Chancellor for Research	Member	2010-present
* Brain Research Foundation Scientific Innovations Award in Neuroscience (limited submission), Office of Vice Chancellor for Research	Reviewer (internal competition)	2016
* ECA SportsUnited: International Sports Programming Initiative (limited submission), Office of Vice President for Research	Reviewer (internal competition)	2016
* Search and Screen Committee (Chair, Department of Biology, School of Science)	Member (Chair recruited-Theodore Cummins, PhD)	2015
* NSF Major Research Instrumentation (MRI) program (limited submission), Office of Vice Chancellor for Research	Reviewer (internal competition)	2015
* Developing Diverse Researchers with InVestigative Expertise (DRIVE) application, Office of Vice Chancellor for Research	Reviewer	2015

Activity	*Role*	*Inclusive Dates*
* International Development Fund application, Office of Vice Chancellor for Research, IUPUI	Reviewer	2014
* Administrative Review Committee of the Dean of the IU School of Social Work (Dean Michael Patchner)	Committee member	2013
* Research Frontiers Trailblazer Award selection committee, Office of Vice Chancellor for Research	Committee chair	2013
* Simons Investigators in the Mathematical Modeling of Living Systems (limited submission), Office of the Vice Chancellor for Research	Reviewer (internal competition)	2013
* NSF Partnerships for Innovation: Building Innovation Capacity (limited submission), Office of the Vice Chancellor for Research	Reviewer (internal competition)	2013
* Research Support Funds Grant applications, Office of the Vice Chancellor for Research	Reviewer	2013
* Release Time for Research applications, Office of the Vice Chancellor for Research	Reviewer	2013
* Searle Scholars Program (limited submission), Office of the Vice President for Research and Graduate Education	Reviewer (internal competition)	2011, 2012 & 2013
* Research Frontiers Trailblazer Award selection committee, Office of Vice Chancellor for Research	Committee member	2012
* Edward Mallinckrodt, Jr. Foundation regular grants (limited submission), Office of the Vice President for Research and Graduate Education	Reviewer (internal competition)	2012
* NIH Developing and Improving Institutional Animal Resources (G20) (limited submission), Office of Vice Chancellor for Research	Reviewer (internal competition)	2012
* NIH-NIMHD Community-Based Participatory Research (CBPR) Initiative in Reducing and Eliminating Health Disparities: Planning Phase (R24) (limited submission), Office of the Vice President for Research and Graduate Education	Reviewer (internal competition)	2012
* Pew Scholars Program in Biomedical Sciences (limited submission), Office of the Vice President for Research and Graduate Education	Reviewer (internal competition)	2011
* New Academic Directions Working Group, Office of the Executive Vice Chancellor and Dean of the Faculties	Working group member	2011
* Health and Life Sciences round-table discussion, IUPUI Research Orientation, Office of the Vice Chancellor for Research and Graduate Education	Faculty leader	2011

Activity	*Role*	*Inclusive Dates*
* Release Time for Research applications, Office of the Vice Chancellor for Research and Graduate Education	Reviewer	2011
* Promotion & Tenure Workshop, “Midway to Tenure: Pathway to Success”, The Office of Academic Affairs/Faculty Appointments and Advancement	Presenter and panel discussant	2010
IUPUI Faculty Council	At-Large representative	2010
IUPUI Faculty Council	Representative for the School of Health and Rehabilitation Sciences	2008-2010
Research Advisory Committee for Research Support Funds Grant Applications, Office of the Vice Chancellor for Research and Graduate Education	Member	2005

PROFESSIONAL SERVICE

COMMITTEE MEMBERSHIP

Committee	*Role*	*Inclusive Dates*
* Major Extremity Trauma Research Consortium (METRC)	Member	2015-present
* REPAIR: Rehabilitation Enhanced by Partial Arterial Inflow Restriction study	Protocol committee member	2015-present
* Research Intensive Programs in Physical Therapy (RIPPTs) Consortium, Academic Council of the American Physical Therapy Association	Member	2012-present
* Exercise and Rehabilitation Advisory Council, National Osteoporosis Foundation	Member	2012-present
* Research and Development Committee, Rehabilitation Hospital of Indiana Foundation	Member	2008-2012

PROMOTION AND TENURE REVIEW

Activity	*Role*	*Inclusive Dates*
* Review of dossier for promotion of department of pediatrics faculty member to rank of Associate Professor with tenure, Georgia Regents University	Reviewer	2015
* Review of dossier for promotion of physical therapy faculty member to rank of Associate Professor with tenure, University of Kentucky	Reviewer	2014
* Review of appointment of physical therapy faculty member to the rank of Assistant Professor with tenure-track, University of British Columbia, Vancouver, Canada	Reviewer	2010

GRANT REVIEW BOARD MEMBERSHIP

Agency	*Role*	*Inclusive Dates*
* Neurological, Aging and Musculoskeletal Epidemiology Study Section (NAME), Population Sciences and Epidemiology Integrated Review Group, Center for Scientific Review, National Institutes of Health	Ad-hoc member	Feb 2016
* Neurological, Aging and Musculoskeletal Epidemiology Study Section (NAME), Population Sciences and Epidemiology Integrated Review Group, Center for Scientific Review, National Institutes of Health	Ad hoc member	Jun 2015
* Indiana Spinal Cord and Brain Injury Fund Scientific Review Committee, Indiana State Department of Health	Member	2014
Movement and Exercise Committee Peer Review Meeting, Canadian Institutes of Health Research	Invited member	2009
Indiana Spinal Cord and Brain Injury Fund Scientific Review Committee, Indiana State Department of Health	Member	2008
Lifesciences I Panel, National Science Foundation Small Business Innovation Research (NSF SBIR) Panels	Technical reviewer	2008
National Institute of Biomedical Imaging and Bioengineering Special Emphasis Panel, Ultrasound Therapy (Study section–ZEB1 OSR-B [O1])	Member	2008
Movement and Exercise Committee Peer Review Meeting, Canadian Institutes of Health Research	Ad hoc member	2008
National Institute of Biomedical Imaging and Bioengineering Special Emphasis Panel, Training and Career Award Review (Study section–ZEB1 OSR-B)	Member	2007
Merit Review and Evaluation Board, Rehabilitation Research and Development Service, Department of Veteran Affairs	Member	2006-2008
Movement and Exercise Committee Peer Review Meeting, Canadian Institutes of Health Research	Ad hoc member	2008

AD HOC REVIEWER OF GRANT APPLICATIONS

Agency	*Role*	*Inclusive Dates*
* American Society of Bone and Mineral Research, Grants in Aid Program (GAP), U.S.A.	Ad-hoc reviewer	2014
* National Sciences and Engineering Research Council of Canada	Ad-hoc reviewer	2014

Agency	*Role*	*Inclusive Dates*
* North Carolina Biotechnology Center (Institutional Development Grant Program)	Ad-hoc reviewer	2012
* Baylor University (Young Investigator Development Program, Office of the Vice Provost for Res.), U.S.A.	Ad-hoc reviewer	2011
* Arthritis Research UK Foundation Fellowship, U.K.	Ad-hoc reviewer	2011
* National Sciences and Engineering Research Council of Canada	Ad-hoc reviewer	2010
Canadian Foundation of Innovation (Leaders Opportunity Fund), Canada	Ad-hoc reviewer	2009
Austrian Science Fund (Fonds zur Förderung der wissenschaftlichen Forschung [FWF]), Austria	Ad-hoc reviewer	2009
Thrasher Research Fund, U.S.A.	Ad-hoc reviewer	2009
Research Grants Council of Hong Kong, Hong Kong	Ad-hoc reviewer	2008
Physiotherapy Research Foundation, Australian Physiotherapy Association, Australia	Ad-hoc reviewer	2008
Biomedical Research Council, Agency for Science, Technology and Research, Singapore	Ad-hoc reviewer	2007
Netherlands Organisation for Health Research and Development, Netherlands	Ad-hoc reviewer	2007
Research Grants Council of Hong Kong, Hong Kong	Ad-hoc reviewer	2007
United States Army Research and Materiel Command	Ad-hoc reviewer	2006
Medical Research Council of the United Kingdom, U.K.	Ad-hoc reviewer	2004
Research Grants Council of Hong Kong, Hong Kong	Ad-hoc reviewer	2004
National University of Singapore, Singapore	Ad-hoc reviewer	2003

EDITORIAL BOARD MEMBERSHIP

Journal	*Role*	*Inclusive Dates*
* Current Osteoporosis Reports	Section Editor for 'Secondary Causes of Osteoporosis'	2015-present
* Journal of Orthopaedic and Sports Physical Therapy	Associate Editor	2015-present
* Journal of Bone and Mineral Research	Editorial board member	2015-present
* Bone Reports	Editorial board member	2014-present
* Journal of Musculoskeletal and Neuronal Interactions	Associate Editor	2011-present

Journal	*Role*	*Inclusive Dates*
* Bone	Editorial board member	2011-present
* British Journal of Sports Medicine	Associate Editor	2009-present
* Journal of Science and Medicine in Sport	Editorial board member	2005-present
* Physical Therapy	Senior manuscript reviewer	2015
* Journal of Orthopaedic and Sports Physical Therapy	Editorial board member	2007-2015
* Journal of Musculoskeletal and Neuronal Interactions	Guest Editor for 'Tendons: the connection between muscle and bone'	2011
British Journal of Sports Medicine	Editorial board member	2006-2009

AD HOC REVIEWER OF SCIENTIFIC BOOK/BOOK CHAPTER

Book/chapter reviewed	*Reviewed for*	*Inclusive Dates*
Zernicke RF, Wohl GR and LaMothe JM: Chapter 3: The skeletal-articular system. In: *ACSM's Advanced Exercise Physiology, 2nd Ed.*	American College of Sports Medicine	2010
Woo SL-Y, Renström PAFH and Arnoczky SP (eds.): *Tendinopathy in Athletes: Volume XII of the Encyclopaedia of Sports Medicine*	Doody's Book Review Service	2007

AD HOC REVIEWER OF MANUSCRIPTS FOR SCIENTIFIC JOURNALS

Journal (year/s [number of manuscripts reviewed])

[Note: listed alphabetically & does not include review of revised/resubmitted manuscripts]

1. Acta Pharmacologica Sinica (2005 [1])
2. Australian Journal of Physiotherapy (2006 [1], 2007 [1])
* 3. American Journal of Physiology—Heart and Circulatory Physiology (2010 [1])
4. American Journal of Physiology—Regulatory, Integrative & Comparative Physiology (2007 [1])
* 5. American Journal of Sports Medicine (2008-10 [7], 2011 [1], 2013 [1], 2014 [1])
* 6. Annals of Biomedical Engineering (2008 [1], 2013 [1])
* 7. Annals of General Psychiatry (2010 [1])
* 8. Applied Physiology, Nutrition, and Metabolism (2010 [1])
9. Archives of Oral Biology (2009 [1])
* 10. Biomaterials (2015 [1])
11. BioMedical Engineering OnLine (2006 [1])
* 12. BMC Musculoskeletal Disorders (2007 [1], 2010 [1], 2014 [1])
13. BMC Physiology (2006 [1])
* 14. BMJ Open (2015 [1])
* 15. Bone (2004-10 [41], 2011 [4], 2012 [6], 2013 [5], 2014 [5], 2015 [9], 2016 [4])
* 16. Bone Reports (2014 [2], 2015 [2], 2016 [1])
17. British Journal of Nutrition (2009 [1])
* 18. British Journal of Sports Medicine (2005-10 [12], 2011 [3], 2012 [1], 2014 [1], 2015 [2])
* 19. British Medical Bulletin (2011 [1])
* 20. Calcified Tissue International and Musculoskeletal Research (2005-10 [12], 2015 [1])
21. Canadian Journal of Physiology and Pharmacology (2005 [1])
* 22. Case Reports in Orthopedics (2014 [1])
23. Clinical Drug Investigation (2009 [1])
24. Clinical Journal of Sports Medicine (2002 [1], 2004 [1], 2005 [1], 2006 [1], 2007 [1])

25. Connective Tissue Research (2008 [1])
* 26. Current Molecular Pharmacology (2010 [1])
* 27. Current Sports Medicine Reports (2016 [1])
* 28. Drugs & Aging (2015 [1])
* 29. European Journal of Applied Physiology (2014 [1], 2015 [1])
30. European Journal of Clinical Investigation (2003 [1])
* 31. European Journal of Pharmacology (2015 [1])
32. European Journal of Physical and Rehabilitation Medicine (2008 [1[)
33. Experimental Biology and Medicine (2007 [1])
* 34. Experimental Gerontology (2013 [1])
35. Expert Review of Endocrinology and Metabolism (2006 [1])
36. Gender Medicine (2008 [1])
* 37. Growth Hormone and IGF Research (2013 [1])
38. Hormone and Metabolic Research (2009 [1])
* 39. International Journal of Sports Medicine (2013 [1])
40. International SportMed Journal (2006 [1])
* 41. Journal of American College of Surgeons (2013 [1)
* 42. Journal of Applied Physiology (2004-09 [9], 2013 [1])
43. Journal of Biomechanical Engineering (2006 [2])
* 44. Journal of Biomechanics (2013 [1])
45. Journal of Biomedical Science and Engineering (2009 [1])
* 46. Journal of Bone and Mineral Research (2003-14 [10], 2015 [5], 2016 [1])
47. Journal of Clinical Densitometry (2008 [1])
* 48. Journal of Clinical Endocrinology and Metabolism (2013 [1])
49. Journal of Dental Research (2002 [1])
* 50. Journal of Experimental Biology (2014 [1], 2015 [2])
* 51. Journal of Foot and Ankle Research (2013 [1])
* 52. Journal of Musculoskeletal and Neuronal Interactions (2009 [1], 2010 [1])
* 53. Journal of Musculoskeletal Medicine (2011 [1])
* 54. Journal of Orthopaedic and Sports Physical Therapy (2006-13 [26], 2014 [3], 2016 [1])
* 55. Journal of Orthopaedic Research (2003-10 [5], 2012 [1])
* 56. Journal of Rheumatology (2013 [1])
* 57. Journal of the Royal Society Interface (2015 [1])
* 58. Journal of Science and Medicine in Sport (2005-10 [11], 2011 [1], 2015 [1])
* 59. Journal of Therapeutic Ultrasound (2013 [1])
60. La revue de Médecine Vétérinaire (2007 [1])
61. Medical Letter in Drugs and Therapeutics (2007 [1])
* 62. Medicine and Science in Sport and Exercise (2002-13 [6], 2016 [1])
63. Nature Clinical Practice Rheumatology (2008 [1])
* 64. Neurochemistry International (2011 [1])
65. Open Access Journal of Sports Medicine (2009 [1])
* 66. Osteoporosis International (2005-10 [4], 2011 [1], 2012 [2])
* 67. Pediatrics (2015 [1])
68. Pharmacogenetics and Genomics (2008 [1])
* 69. Physical Therapy (2008 [1], 2014 [2], 2015 [1])
70. Physical Therapy in Sport (2008 [1])
* 71. Physician and Sportsmedicine (2004 [1], 2015 [1])
* 72. Physiotherapy (2009 [1], 2010 [1])
* 73. Physiotherapy Canada (2010 [1])
* 74. PLoS One (2013 [1])
* 75. Prosthetics and Orthotics International (2010 [1])
* 76. Rheumatology International (2013 [1])
77. Scandinavian Journal of Medicine and Science in Sport (2007 [2], 2008 [1], 2009 [1])
* 78. Scientific Reports (2015 [1])
79. Sports Health (2008 [1])
* 80. Sports Medicine (2002 [1], 2003 [1], 2010 [1], 2011 [1], 2012 [1])
* 81. Therapeutic Advances in Psychopharmacology (2012 [1])
* 82. Ultrasound in Medicine and Biology (2003-10 [5], 2011 [2]; 2012 [1])

PUBLICATIONS

* = In-rank publications	Journal impact factor, as per ISI Web of
# = corresponding author	Knowledge Journal Citation Reports
Student co-author	[2015 Science Edition]
† = Student under direct supervision of Dr. Warden	(times cited, as per Google Scholar [7/16/16])

TEACHING

PRIMARY RESEARCH ARTICLES

Journal impact factor (times cited)

* 1. Bayliss AJ, **Warden SJ**. A hybrid model of student-centered instruction improves physical therapy student performance in cardiopulmonary practice patterns by enhancing performance in higher cognitive domains. *Journal of Physical Therapy Education* 2011;25:14-20 — (8)

RESEARCH/CREATIVE ACTIVITY

PRIMARY RESEARCH ARTICLES

Journal impact factor (times cited)

* 2. 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. *American Journal of Physical Medicine and Rehabilitation* 2016;95:561-70 — 2.1 (0)

#* 3. 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. *Journal of Musculoskeletal and Neuronal Interactions* 2016;16:105-12 — 1.6 (0)

* 4. Ferira 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. *Journal of Clinical Endocrinology and Metabolism* 2016;101:1710-8 — 5.5 (0)

* 5. Woodhouse L, Gandhi R, **Warden SJ**, Poiraudeau S, Myers SL, Benson CT, Hu L, Ahmad QI, Linnemeier P, Gomez EV, Benichou O, on behalf of the study investigators. A phase 2 randomized study investigating the efficacy and safety of myostatin antibody LY2495655 versus placebo in older patients undergoing elective total hip arthroplasty. *Journal of Frailty and Aging* 2016;5:62-70 — (1)

#* 6. 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. *Calcified Tissue International* 2016;98:129-39 — 3.1 (0)

#* 7. Weatherholt AM†, Avin KG†, Hurd AL, Cox JL, Marberry ST, Santoni BG, **Warden SJ**. Peripheral quantitative computed tomography predicts humeral diaphysis torsional mechanical properties with good short-term precision. *Journal of Clinical Densitometry* 2015;18:551-9 — 2.6 (4)

* 8. Becker C, Lord SR, Studenski SA, **Warden SJ**, Fielding RA, Recknor CP, Hochberg MC, Ferrari SL, Blain H, Binder EF, Rolland Y, Poiraudeau S, Benson CT, Myers SL, Hu L, Ahmad QI, Pacuch KR, Gomez EV, Benichou O. Myostatin antibody (LY2495655) in older weak fallers: a proof-of-concept, randomised, phase 2 trial. *Lancet Diabetes and Endocrinology* 2015;3:948-57 — 16.3 (17)

- *Editorial feature:* Parise G, Snijders T. Myostatin antibody (LY2495655) in older weak fallers: a proof-of-concept, randomized, phase 2 trial. *Lancet Diabetes Endocrinol* 2015;3:917-18 [PubMed]

* 9.	Cowan SM, Hart HF, **Warden SJ**, Crossley KM. Infrapatellar fat pad volume is greater in individuals with patellofemoral joint osteoarthritis and associated with pain. *Rheumatology International* 2015;35:1439-42	1.7 (8)
* 10.	Childress P, Stayrook KR, Alvarez MB, Wang Z, Shao Y, Hernandez-Buquer S, Mack JK, Grese ZR, He Y, Horan D, Pavalko FM, **Warden SJ**, Robling AG, Yang FC, Allen MR, Krishnan V, Liu Y, Bidwell JP. Genome-wide mapping and interrogation of the Nmp4 antianabolic bone axis. *Molecular Endocrinology* 2015;29:1269-85	3.4 (1)
#* 11.	**Warden SJ**, Mantila Roosa SM†. Physical activity completed when young has residual bone benefits at 94 years of age: a within-subject controlled case study. *Journal of Musculoskeletal and Neuronal Interactions* 2014;14:239-43	1.6 (3)
#* 12.	**Warden SJ**, Galley MR, Hurd AL, Richard JS†, George LA†, Guildenbecher EA†, Barker RG†, Fuchs RK. Cortical and trabecular bone benefits of mechanical loading are maintained long-term in mice independent of ovariectomy. *Journal of Bone and Mineral Research* 2014;29:1131-40	5.6 (11)
* 13.	Berger PK, Pollock NK, Laing EM, **Warden SJ**, Hill Gallant KM, Hausman DB, Tripp RA, McCabe LD, McCabe GP, Weaver CM, Peacock M, Lewis RD. Association of adenovirus 36 infection with adiposity and inflammatory-related markers in children. *Journal of Clinical Endocrinology and Metabolism* 2014;99:3240-6	5.5 (7)
#* 14.	**Warden SJ**, Mantila Roosa SM†, Kersh ME, Hurd AL, Fleisig GS, Pandy MG, Fuchs RK. Physical activity when young provides lifelong benefits to cortical bone size and strength in men. *Proceedings of the National Academy of Sciences USA* 2014;111:5337-42	9.4 (41)

- *Cover article and editorial feature:* In This Issue: long-term benefits of physical activity to bone size and strength. *Proc Natl Acad Sci USA* 2014;111:5061-62 [Weblink]
- *Editorial topic:* Feilich J. Exercise when young to protect old bones. *J Exp Biol* 2014;217:2624 [Weblink]
- *BoneKEy Watch:* Skeletal benefits of physical activity early in life persist lifelong. *IBMS BoneKEy* 2014;11:630 [Weblink]

* 15.	Lewis RD, Laing EM, Hill Gallant KM, Hall DB, McCabe GP, Hausman DB, Martin BR, **Warden SJ**, Peacock M, Weaver CM. A randomized trial of vitamin D3 supplementation in children: dose-response effects on vitamin D metabolites and calcium absorption. *Journal of Clinical Endocrinology and Metabolism* 2013;98:4816-25	5.5 (25)
#* 16.	Dirks RC†, Galley MR, Childress PJ, Fearon AM, Scott A, Koch LG, Britton SL, **Warden SJ**. Uphill running does not exacerbate collagenase-induced pathological changes in the Achilles tendon of rats selectively bred for high capacity running. *Connective Tissue Research* 2013;54:386-93	1.4 (1)
#* 17.	**Warden SJ**, Galley MR, Hurd AL, Wallace JM, Gallant MA, Richard JS†, George LA†. Elevated mechanical loading when young provides lifelong benefits to cortical bone properties in female rats independent of a surgically induced menopause. *Endocrinology* 2013;154:3178-87	4.2 (10)
#* 18.	Weatherholt AM†, Fuchs RK, **Warden SJ**. Cortical and trabecular bone adaptation to incremental load magnitudes using the mouse tibial axial compression loading model. *Bone* 2013;52:372-9	3.7 (27)
* 19.	Loghmani MT†, **Warden SJ**. Instrument-assisted cross fiber massage increases tissue perfusion and alters microvascular morphology in the vicinity of healing knee ligaments. *BMC Complementary and Alternative Medicine* 2013;13:240 (9 pages)	2.0 (9)

#* 20. **Warden SJ**, Galley MR, Richard JS†, George LA†, Dirks RC†, Guildenbecher EA†, Judd AM†, Robling AG, Fuchs RK. Reduced gravitational loading does not account for the skeletal effect of botulinum toxin-induced muscle inhibition suggesting a direct effect of muscle on bone. *Bone* 2013;54:98-105 — 3.7 (13)

#* 21. **Warden SJ**, Hill KM, Ferira AJ, Laing EM, Martin BR, Hausman DB, Weaver CM, Peacock M, Lewis RD. Racial differences in cortical bone and their relationship to biochemical variables in Black and White children in the early stages of puberty. *Osteoporosis International* 2013;24:1869-79 — 3.4 (20)

#* 22. Dirks RC†, Richard JS†, Fearon AM, Scott A, Koch LG, Britton SL, **Warden SJ**. Uphill treadmill running does not induce histopathological changes in the rat Achilles tendon. *BMC Musculoskeletal Disorders* 2013;14:90 (5 pages) — 1.7 (6)

#* 23. Mantila Roosa SM†, Hurd AL, Xu H, Fuchs RK, **Warden SJ**. Age-related changes in proximal humerus bone health in healthy, white males. *Osteoporosis International* 2012;23:2775-83 — 3.4 (11)

#* 24. Smith HD†, Bogenschutz ED†, Bayliss AJ, Altenburger PA, **Warden SJ**. Full-text publication of abstract-presented work in physical therapy: do therapists publish what they preach? *Physical Therapy* 2011;91:234-45 — 2.8 (10)

- *Discussion Podcast:* Warden SJ, Simoneau G, Craik R, Maher C. Do Physical therapists publish what they preach? [Podcast website]

#* 25. Bogenschutz ED†, Smith HD†, **Warden SJ**. Midhumerus adaptation in fast-pitch softballers and the effect of throwing mechanics. *Medicine and Science in Sport and Exercise* 2011;43:1698-706 — 4.0 (11)

* 26. Culvenor AG, Cook JL, **Warden SJ**, Crossley KM. Infrapatellar fat pad size, but not patellar alignment, is associated with patellar tendinopathy. *Scandinavian Journal of Medicine and Science in Sports* 2011;21:e405-11 — 3.0 (9)

* 27. Golomb MR, **Warden SJ**, Fess E, Rabin B, Yonkman J, Shirley B, Burdea GC. Maintained hand function and forearm bone health 14 months after an in-home virtual-reality videogame hand telerehabilitation intervention in an adolescent with hemiplegic cerebral palsy. *Journal of Child Neurology* 2011;26:389-93 — 1.4 (17)

* 28. Marrero-Amadeo IC, Chauhan A, **Warden SJ**, Merrell GA. Flexor tendon repair with a knotless barbed suture: a comparative biomechanical study. *Journal of Hand Surgery America* 2011;36:1204-8 — 1.6 (26)

#* 29. **Warden SJ**, Hassett SM†, Bond JL†, Rydberg J†, Grogg JD†, Hilles EL†, Bogenschutz ED†, Smith HD†, Fuchs RK, Bliziotes MM, Turner CH. Psychotropic drugs have contrasting skeletal effects that are independent of their effects on physical activity levels. *Bone* 2010;46:985-92 — 3.7 (39)

- *Cited in:* Nature (IF: 38.1), Nature Medicine (IF: 30.4)

* 30. Golomb MR, McDonald BC, **Warden SJ**, Yonkman J, Saykin AJ, Shirley B, Huber M, Rabin B, Abdelbaky M, Nwosu ME, Barkat-Masih M, Burdea GC. In-home virtual reality videogame telerehabilitation in adolescents with hemiplegic cerebral palsy. *Archives of Physical Medicine and Rehabilitation* 2010;91:1-8 e1 — 3.0 (136)

* 31. Komatsu DE†, Mary MN, Schroeder RJ, Robling AG, Turner CH, **Warden SJ**. Modulation of Wnt signaling influences fracture repair. *Journal of Orthopedic Research* 2010;28:928-36 — 2.8 (66)

#* 32. **Warden SJ**. Extreme skeletal adaptation to mechanical loading. *Journal of Orthopaedic and Sports Physical Therapy* 2010;40:188 — 2.6 (7)

#* 33. Swinford RR†, **Warden SJ**. Factors affecting short-term precision of musculoskeletal measures using peripheral quantitative computed tomography (pQCT). *Osteoporosis International* 2010;21:1863-70 — 3.4 (23)

34. **Warden SJ**, Bogenschutz ED†, Smith HD†, Gutierrez AR†. Throwing induces substantial torsional adaptation within the midshaft humerus of male baseball players. *Bone* 2009;45:931-41 — 3.7 (39)

35. Loghmani MT†, **Warden SJ**. Instrument-assisted cross-fiber massage accelerates knee ligament healing. *Journal of Orthopaedic and Sports Physical Therapy* 2009;39:506-14 — 2.6 (46)

36. **Warden SJ**, Komatsu DE†, Rydberg J†, Bond JL†, Hassett SM†. Recombinant human parathyroid hormone (PTH 1-34) and low-intensity pulsed ultrasound have contrasting additive effects during fracture healing. *Bone* 2009;44:485-94 — 3.7 (43)

37. **Warden SJ**, Metcalf BR, Kiss ZS, Cook JL, Purdam CR, Bennell KL, Crossley KM. Low-intensity pulsed ultrasound for chronic patellar tendinopathy: a randomized, double-blind, placebo-controlled trial. *Rheumatology* 2008;47:467-71 — 4.5 (63)

- *Editorial feature:* Maffulli N, Longo UG. Conservative management for tendinopathy: is there enough scientific evidence? *Rheumatology* 2008;47:390-1 [PubMed]

38. **Warden SJ**, Nelson IR†, Fuchs RK, Bliziotes MM, Turner CH. Serotonin (5-hydroxytryptamine) transporter inhibition causes bone loss in adult mice independently of estrogen deficiency. *Menopause* 2008;15:1176-83 — 3.2 (47)

- *Cited in:* New England Journal of Medicine (IF: 59.6), Nature Medicine (IF: 30.4)

39. **Warden SJ**, Kiss ZS, Malara FA, Ooi AB, Cook JL, Crossley KM. Comparative accuracy of magnetic resonance imaging and ultrasonography in confirming clinically diagnosed patellar tendinopathy. *American Journal of Sports Medicine* 2007;35:427-36 — 4.5 (91)

40. Chu TM, **Warden SJ**, Turner CH, Stewart RL. Segmental bone regeneration using a load-bearing biodegradable carrier of bone morphogenetic protein-2. *Biomaterials* 2007;28:459-67 — 8.4 (133)

41. Crossley KM, Thancanamootoo K, Metcalf BR, Cook JL, Purdam CR, **Warden SJ**. Clinical features of patellar tendinopathy and their implications for rehabilitation. *Journal of Orthopedic Research* 2007;25:1164-75 — 2.8 (55)

42. Li J, Waugh LJ†, Hui SL, Burr DB, **Warden SJ**. Low-intensity pulsed ultrasound and nonsteroidal anti-inflammatory drugs have opposing effects during stress fracture repair. *Journal of Orthopedic Research* 2007;25:1559-67 — 2.8 (33)

43. Robling AG, **Warden SJ**, Shultz KL, Beamer WG, Turner CH. Genetic effects on bone mechanotransduction in congenic mice harboring bone size and strength quantitative trait loci. *Journal of Bone and Mineral Research* 2007;22:984-91 — 5.6 (37)

44. **Warden SJ**, Fuchs RK, Castillo AB, Nelson IR†, Turner CH. Exercise when young provides lifelong benefits to bone structure and strength. *Journal of Bone and Mineral Research* 2007;22:251-9 — 5.6 (123)

45. **Warden SJ**, Avin KG†, Beck EM†, DeWolf ME†, Hagemeier MA†, Martin KM†. Low-intensity pulsed ultrasound accelerates and a nonsteroidal anti-inflammatory drug delays knee ligament healing. *American Journal of Sports Medicine* 2006;34:1094-102 — 4.5 (51)

46. Sawakami K, Robling AG, Ai M, Pitner ND, Liu D, **Warden SJ**, Li J, Maye P, Rowe DW, Duncan RL, Warman ML, Turner CH. The WNT co-receptor LRP5 is essential for skeletal mechanotransduction, but not for the anabolic bone response to parathyroid hormone treatment. *Journal of Biological Chemistry* 2006;281:23698-711 — 4.3 (273)

# 47.	**Warden SJ**, Saxon LK, Castillo AB, Turner CH. Knee ligament mechanical properties are not influenced by estrogen or its receptors. *American Journal of Endocrinology and Metabolism* 2006;290:E1034-40	3.8 (37)
48.	Castillo AB, Alam I, Tanaka SM, Levenda J, Li J, **Warden SJ**, Turner CH. Low-amplitude, broad-frequency vibration effects on cortical bone formation in mice. *Bone* 2006;39:1087-96	3.7 (47)
49.	**Warden SJ**, Fuchs RK, Kessler CK†, Avin KG†, Cardinal RE†, Stewart RL. Ultrasound produced by a conventional therapeutic ultrasound unit accelerates fracture repair. *Physical Therapy* 2006;86:1118-27	2.8 (80)
50.	Chu TM, Sargent P, **Warden SJ**, Turner CH, Stewart RL. Preliminary evaluation of a load-bearing BMP-2 carrier for segmental defect regeneration. *Biomedical Sciences Instrumentation* 2006;42:42-7	— (17)
51.	Schriefer JL, **Warden SJ**, Saxon LK, Robling AG, Turner CH. Cellular accommodation and the response of bone to mechanical loading. *Journal of Biomechanics* 2005;38:1838-45	2.4 (110)
# 52.	**Warden SJ**, Hurst JA, Sanders MS, Turner CH, Burr DB, Li J. Bone adaptation to a mechanical loading program significantly increases skeletal fatigue resistance. *Journal of Bone and Mineral Research* 2005;20:809-16	5.6 (144)
53.	Alam I, **Warden SJ**, Robling AG, Turner CH. Mechanotransduction in bone does not require a functional cyclooxygenase-2 (COX-2) gene. *Journal of Bone and Mineral Research* 2005;20:438-46	5.6 (38)
54.	Schriefer JL, Robling AG, **Warden SJ**, Fournier AJ, Mason JJ, Turner CH. A comparison of mechanical properties derived from multiple skeletal sites of mice. *Journal of Biomechanics* 2005;38:467-75	2.4 (103)
# 55.	**Warden SJ**, Robling AG, Sanders MS†, Bliziotes MM, Turner CH. Inhibition of the serotonin (5-hydroxytryptamine) transporter attenuates bone mineral accrual during growth. *Endocrinology* 2005;146:685-93 • *Cited in:* Cell [x3] (IF: 28.7), Nature Reviews Neuroscience (IF: 29.3), Cell Metabolism (IF: 17.3), Archives of Internal Medicine [x3] (IF: 14.0), Annual Review of Biomedical Engineering (IF: 14.2), Nature Reviews Rheumatology (IF: 10.5)	4.2 (193)
# 56.	**Warden SJ**, Morris HG, Crossley KM, Brukner PD, Bennell KL. Delayed- and non-union following opening wedge high tibial osteotomy: surgeons' results from 182 completed cases. *Knee Surgery Sports Traumatology Arthroscopy* 2005;13:34-7	3.1 (61)
57.	Bennell K, Crossley K, Jayanara J, Walton E, **Warden S**, Kiss ZS, Wrigley T. Ground reaction forces and bone parameters in females with tibial stress fracture. *Medicine and Science in Sports and Exercise* 2004;36:397-404	4.0 (97)
# 58.	**Warden SJ**, Turner CH. Mechanotransduction in cortical bone is most efficient at loading frequencies of 5-10 Hz. *Bone* 2004;34:261-70	3.7 (114)
# 59.	**Warden SJ**, McMeeken JM. Ultrasound usage and dosage in sports physiotherapy. *Ultrasound in Medicine and Biology* 2002;28:1075-80	2.3 (71)
60.	**Warden SJ**, Bennell KL, Matthews B, Brown DJ, McMeeken JM, Wark JD. Quantitative ultrasound assessment of acute bone loss following spinal cord injury: a longitudinal pilot study. *Osteoporosis International* 2002;13:586-92	3.4 (67)

61. **Warden SJ**, Bennell KL, Matthews B, Brown DJ, McMeeken JM, Wark JD. Efficacy of low-intensity pulsed ultrasound in the prevention of osteoporosis following spinal cord injury. *Bone* 2001;29:431-36 — 3.7 (60)

62. **Warden SJ**, Favaloro J, Bennell KL, McMeeken JM, Ng KW, Zajac JD, Wark JD. Low-intensity pulsed ultrasound stimulates a bone-forming response in UMR-106 cells. *Biochemical and Biophysical Research Communications* 2001;286:443-50 — 2.4 (133)

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