

CURRICULUM VITAE

Mukul Mukherjee, PhD.

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Website: <http://coe.unomaha.edu/biomechanics>

My Bibliography in PubMed:

<https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/48083079/?sort=date&direction=descending>

Open Researcher and Contributor ID (ORCID): <http://orcid.org/0000-0001-9653-0556>

Google scholar: <http://scholar.google.com/citations?user=-sJyJkEAAAAJ&hl=en>

Researchgate: https://www.researchgate.net/profile/Mukul_Mukherjee/?ev=hdr_xprf

LinkedIn: www.linkedin.com/pub/mukul-mukherjee/75/627/726/

Loop – Research Network (Frontiers): <http://loop.frontiersin.org/people/465310/overview>

ACADEMIC AND EMPLOYMENT HISTORY**EDUCATION**

- 2011** **Postdoctoral fellow** University of Nebraska at Omaha
Concentration: Biomechanics, Virtual Reality, Nonlinear Analysis
Omaha, Nebraska.
- 2009** **Postdoctoral fellow** University of Nebraska Medical Center
Department of Computer Assisted Surgery
Concentration: Surgical Robotics
Omaha, Nebraska.
- 2007** **Postdoctoral fellow** University of Kansas Medical Center
Concentration: Rehabilitation Robotics
Kansas City, Kansas
- 2006** **Doctor of Philosophy** University of Kansas Medical Center
Concentration: Rehabilitation Science
Support Areas: Biomechanics and Motor Control
Kansas City, Kansas
Dissertation: *Uncertainty in the Sensorimotor Control of Human Movements.*
- 1998** **Bachelor of Science (Honors)** Delhi University
Concentration: Physical Therapy
New Delhi, India

ACADEMIC AND RESEARCH APPOINTMENTS

2018-present	Associate Professor	The Department of Biomechanics, University of Nebraska at Omaha
2012-2018	Research Assistant Professor	The Department of Biomechanics, University of Nebraska at Omaha
2012 - 2014	Assistant Director	The Nebraska Biomechanics Core Facility (NBCF), University of Nebraska at Omaha
2008 - 2012	Instructor	School of HPER, University of Nebraska at Omaha
2010 - 2016	Director	The Virtual Reality Laboratory, Biomechanics Research Building (BRB), University of Nebraska at Omaha
2010 - 2011	Research Associate	The NBCF, BRB, University of Nebraska at Omaha
2008 - 2016	Director	The Robotics Laboratory, NBCF, University of Nebraska at Omaha
2008 - 2009	AHA Postdoctoral Fellow	The NBCF, University of Nebraska at Omaha
2007 - 2009	Research Associate	The Center for Advanced Surgical Technology, University of Nebraska Medical Center, Omaha, Nebraska
2007	Postdoctoral Research Associate	Neuromuscular Research Lab, University of Kansas Medical Center (KUMC), Kansas City, Kansas

2002 - 2006	Graduate Research Assistant	Neuromuscular Research Lab, KUMC, Kansas City, Kansas
2000 - 2002	Research Physical Therapist	IILEP (International Leprosy) Nerve Function Impairment and Reaction (INFIR) Cohort Study at the Leprosy Mission Hospitals, Naini and Faizabad, India

OTHER EXPERIENCE

1998 - 1999	Physical Therapist	Shubham Nursing Home, New Delhi, India
1998 - 1999	Physical Therapist	Mohinder Hospital, New Delhi, India

RESEARCH RELATED GRANTS

Ongoing Research Support (Faculty)

1. Virtual-reality augmented gait adaptation in stroke survivors.

Grantor: AHA AIREA Award

Dates: 04/01/18-03/31/20

Cost: \$154,000

Role: PI (30%)

Purpose and Objectives: to determine visual contributions to asymmetric gait in stroke survivors

PI: Mukherjee

2. MORS: Modular Robotic Suit as an exercise system for maintenance of muscle strength of astronauts during long-term space missions

Grantor: NASA EPSCoR

Dates: 07/01/18-06/30/21

Cost: \$1,056,357

Role: Co-PI (40%)

Purpose and Objectives: Modular robotic devices will be used to develop an exercise system for astronauts.

PI: Jose Baca/Dasgupta

3. Developing and testing low-cost 3D printed prostheses to restore and improve function of children with congenital or traumatic below elbow amputations

Grantor: UN System Science Collaboration Initiative

Dates: 06/01/17-05/31/19

Cost: \$150,000

Role: Co-I (10%)

Purpose and Objectives: low cost 3d printed prostheses will be developed and tested for children with upper limb amputations.

PI: Zuniga

4. The effects of virtual reality on gait variability after stroke

Grantor: NIH COBRE 1P20GM109090-01

Dates: 08/01/14-07/31/19

Cost: \$761,842

Role: Project PI (100%)

Purpose and Objectives: The effect of Virtual Reality based feedback on learning a locomotor task will be assessed in stroke survivors.

PI: Mukherjee

Ongoing Research Support (Student)

1. Lower inter-limb coordination in chronic stroke survivors

Grantor: American Heart Association (Pre-doctoral Fellowship)

Dates: 01/01/19-12/31/20

Cost: \$53,688

Role: Sponsor (0%)

PI: Motz

2. Inter-limb coordination in younger and older adults.

Grantor: NASA Nebraska Space Grant Fellowship

Dates: 08/01/18-02/28/19

Cost: \$2,000

Role: Mentor (0%)

PI: Motz

3. Comparing passive and Active exoskeletons for improving gait adaptation

Grantor: Graduate Research and Creative Activity

Dates: 05/01/18-04/30/19

Cost: \$5,000

Role: Mentor (0%)

Purpose and Objectives: To determine differences between passive and active-assisted gait adaptation.

PI: Sado

4. Inter-limb coordination in chronic stroke survivors

Grantor: Graduate Research and Creative Activity

Dates: 05/01/18-04/30/19

Cost: \$5,000

Role: Mentor (0%)

Purpose and Objectives: To determine coordination deficits between limbs in stroke survivors.

PI: Motz

Completed Research Support

1. Influence of foot-ground traction on optimality and kinematical execution of gaits performed in reduced gravity

Grantor: NASA Nebraska Space Grant

Dates: 08/01/17-05/31/18

Cost: \$35,000

Role: Co-I (0%)

PI: Malcolm

2. Sensory organization and movement variability in those with ankle instability

Grantor: COBRE Pilot grant

Dates: 08/01/16-07/31/17

Cost: \$25,000

Role: Co-I (0%)

PI: Rosen

3. Development of the home-based sensory organization test

Grantor: NASA Nebraska Space Grant

Dates: 08/01/16-08/30/17

Cost: \$28,195

Role: PI (0%)

PI: Mukherjee

4. Nonlinear analysis and pattern recognition of variability in physical activity after stroke

Grantor: COBRE Pilot grant renewal

Dates: 11/01/15-10/31/16

Cost: \$30,000

Role: Co-PI (0%)

PI: Lee

5. Modular robotic system for assessment and exercise of human movement

Grantor: UNO Sponsored Program

Dates: 12/01/15-07/31/16

Cost: \$20,000

Role: Co-PI (0%)

PI: Dasgupta

6. Movement variability, cortical activation and cognitive load in ankle instability

Grantor: COBRE Pilot grant

Dates: 08/01/15-07/31/16

Cost: \$38,000

Role: Co-PI (0%)

PI: Rosen

7. Nonlinear analysis and pattern recognition of variability in physical activity after stroke

Grantor: COBRE Pilot grant

Dates: 11/01/14-10/31/15

Cost: \$50,000

Role: Co-PI (0%)

PI: Lee

8. The effect of vestibular stimulation in virtual reality for locomotor adaptation in

astronauts**Grantor:** NASA Nebraska EPSCoR Research Mini-Grant**Dates:** 09/01/14-08/31/15**Cost:** \$50,000**Role:** PI (25%)**PI:** Mukherjee**9. A USA-Ireland partnership to promote research in the area of physical activity in stroke survivors****Grantor:** Faculty Research International**Dates:** 08/01/14-07/31/15**Cost:** \$5,000**Role:** PI (100%)**PI:** Mukherjee**10. MRI: Acquisition of ETG-4000 24 channel optical topography system for research, training and outreach activities.****Grantor:** National Science Foundation 1229299**Dates:** 08/01/12-07/31/15**Cost:** \$233,367**Role:** Co-I (0%)**PI:** Stergiou**11. Role of tactile sensation on locomotor adaptation in astronauts returning from long duration space flights.****Grantor:** NASA EPSCoR NNX11AM06A**Dates:** 07/01/11-06/30/15**Cost:** \$750,000**Role:** Co-I (100%)**PI:** Stergiou**12. Modular robotic system for muscular strength training during long-term space missions****Grantor:** NASA Nebraska Space Grant**Dates:** 09/01/14-05/31/15**Cost:** \$3,750**Role:** Collaborator (0%)**PI:** Jose Baca**13. Sensory interaction in patients with benign paroxysmal positional vertigo during locomotion in space.****Grantor:** NASA Nebraska Space Grant and EPSCoR**Dates:** 09/01/11-05/31/12**Cost:** \$62,500**Role:** Co-I (0%)**PI:** Stergiou

14. Restoration of function post-flight through exercise rehabilitation.**Grantor:** NASA Nebraska Space Grant and EPSCoR**Dates:** 09/01/11-05/31/12**Cost:** \$62,500**Role:** Co-I (0%)**PI:** Blanke**15. Wii Fit for improving activity, gait, and balance in alzheimer's dementia****Grantor:** Alzheimer's Association (New Investigator Research Grant)**Dates:** 01/01/10-12/31/11**Cost:** \$80,000**Role:** Key Person (50%)**PI:** Padala**16. The use of virtual simulations and robotic manipulators for the improvement of robotic surgical educational training****Grantor:** Nebraska Research Initiative**Dates:** 7/01/09-06/30/11**Cost:** \$681,057**Role:** Key Person (50%)**PI:** Oleynikov**17. The effect of augmented sensory feedback in motor learning of upper limb movements in chronic stroke survivors****Grantor:** AHA (Postdoctoral Fellowship #0820136Z - *Merit score 1.83/5, Percentile 1.23%*)**Dates:** 01/01/08-12/31/09**Cost:** \$85,000**Role:** PI (100%)**PI:** Mukherjee**Completed Research Support (Student)****1. Development of the Home-based Sensory Organization Test****Grantor:** ORCA student fellowship**Dates:** 05/30/17-05/29/18**Cost:** \$2500**Role:** Mentor (0%)**PI:** Bowman**2. Relationship between the Mullen Scales of Early Learning and Posture Control Measures in children with Autism****Grantor:** FUSE/Unomaha**Dates:** 09/01/17-05/30/18**Cost:** \$2500**Role:** Mentor (0%)**PI:** Averhoff

3. Relationship between the Mullen Scales of Early Learning and Posture Control Measures in infants**Grantor:** FUSE/Unomaha**Dates:** 09/01/17-05/30/18**Cost:** \$2500**Role:** Mentor (0%)**PI:** Wehrle**4. Exploring the ability in healthy young adults to couple and uncouple postural sway with different environmental stimuli.****Grantor:** NASA Nebraska Space Grant Fellowship**Dates:** 08/01/17-02/28/18**Cost:** \$2,000**Role:** Mentor (0%)**PI:** Motz**5. Effect of a passive exoskeleton on locomotor adaptation****Grantor:** FUSE/Unomaha**Dates:** 12/01/15-05/30/17**Cost:** \$2500**Role:** Mentor (0%)**PI:** Nielsen**6. The home-based sensory organization test (HSOT) as an instrument for measuring balance asymmetry in stroke survivors****Grantor:** FUSE/Unomaha [Declined]**Dates:** 05/30/17-05/29/18**Cost:** \$2500**Role:** Mentor (0%)**Purpose and Objectives:** a portable and inexpensive balance assessment device will be tested for determining balance asymmetry in stroke survivors.**PI:** Maxwell**7. Locomotor adaptation through multiple sensory modality augmentation in astronauts****Grantor:** NASA Nebraska Space Grant Fellowship**Dates:** 08/01/15-07/31/16**Cost:** \$5,000**Role:** Sponsor (0%)**PI:** Fujan-Hansen**8. Asymmetry in the complexity of gait in younger stroke populations****Grantor:** University Committee on Research and Creative Activity student grant**Dates:** 06/01/16-06/30/16**Cost:** \$500**Role:** Mentor (0%)

PI: Fujan-Hansen

9. The role of vestibular perception in learning a novel locomotor task

Grantor: Funds for Undergraduate Scholarly Experiences/Unomaha

Dates: 12/01/14-05/30/16

Cost: \$2500

Role: Mentor (0%)

PI: Allison Hoover

10. The effect of split belt walking and virtual reality on the gait symmetry in stroke survivors

Grantor: Graduate Research and Creative Activity

Dates: 05/01/14-04/30/15

Cost: \$5000

Role: Mentor (0%)

PI: Rand

11. COP Variability as a biomarker for balance during gait

Grantor: Graduate Research and Creative Activity

Dates: 05/01/14-04/30/15

Cost: \$5000

Role: Mentor (0%)

PI: Pickhinke

12. Effect of sensory input on the temporal structure of center of pressure during standing

Grantor: University Committee on Research and Creative Activity student grant

Dates: 04/18/14-06/30/14

Cost: \$500

Role: Mentor (0%)

PI: Rand

13. Rotating optical flow affects postural balance

Grantor: University Committee on Research and Creative Activity student grant

Dates: 06/01/14-06/30/14

Cost: \$500

Role: Mentor (0%)

PI: Pickhinke

Total funding as postdoctoral research associate: **\$1,954,424.**

Total funding as faculty: **\$2,407,144.**

Total funding as a student mentor: **\$99,188.**

HONORS/AWARDS/MEDIA FEATURE

1. In KMTV broadcast on Monday July 17, 2017; *3D printers to make prosthesis under NU grant*: [<http://www.3newsnow.com/news/local-news/3d-printers-to-make-prostheses-under-nu-grant>]
2. In Unomaha Campus news, Monday July 17, 2017; *NU Team to Research, Design Next Generation of 3D-Printed Prostheses*, by Charley Reed, University Communications: [<https://www.unomaha.edu/news/2017/07/nu-team-to-research-design-next-gen-3d-printed-prostheses.php>]
3. In Omaha World Herald: July 18, 2017. *\$150,000 investment will allow UNO researcher to improve 3-D-printed prosthetic hand for children*. Rick Ruggles. World Herald staff writer. [http://www.omaha.com/livewellnebraska/health/investment-will-allow-uno-researcher-to-improve--d-printed/article_3b4d3de6-6b04-11e7-bb5e-bb412c81ecab.html]
4. In UNK news (University of Nebraska at Kearney), Monday July 17, 2017; *UNK's Abushamleh joins NU researchers to design 3D-Printed Prostheses*, by Charley Reed, University Communications: [<http://unknews.unk.edu/2017/07/17/unks-abushamleh-joins-nu-researchers-to-design-3d-printed-prostheses/>]
5. Interview for Kaneko Exhibit, "KINETIC"; video [<https://vimeo.com/220980500>] published in June 2017 in the KANEKO website [<http://thekaneo.org/seasons/kinetic/>]: *KINETIC at KANEKO explores the art & science of movement & the perception of motion*.
6. Ten-year Service Award, University of Nebraska at Omaha, 2017.
7. In UNO Magazine, Spring 2016; *Virtual Reality and Robotics help Stroke Patients Recover*, by Greg Kozol, [https://issuu.com/aflott/docs/spring_16_mag/48]
8. In Businesswire.com, Oct 07, 2015: *Cadence Biomedical, University of Nebraska Omaha Announce Research Collaboration: New Study to Investigate Motor Adaptations with Kickstarter® Use in Stroke Survivors*. [<http://www.businesswire.com/news/home/20151007005403/en/Cadence-Biomedical-University-Nebraska-Omaha-Announce-Research#.VhVf7tbZe-K>]
[Also featured in Reuters.com, Bloomberg.com, and Yahoo Finance, Oct 07, 2015]
9. In UNO Alumni Magazine, Vol 6, No. 3, 2015; *A Backwards Bicycle that bends your brain*, by Wendy Townley, [<https://unoalumni.org/file/UNO-Magazine-Fall-2015.pdf>]
10. In the 2014 Annual Report of the IDEA EPSCOR Nebraska; *UNO gains \$10.1 million NIH Grant for Biomechanics Center*.
11. In the NASA Nebraska Space Grant website, Nov 2014 for mini-grant award; *The Effect of vestibular stimulation in virtual reality for locomotor adaptation in astronauts*.
12. In KETV newswatch7 broadcast on Sunday August 31 2014 at 10pm; *Exclusive grant to fund game changing research at UNO*: [www.ketv.com/news/exclusive-grant-to-fund-gamechanging-research-at-uno/27822680#!bOyIsq]
13. In KETV newswatch7 webpage, August 31, 2014; *UNO receives \$10 million grant to study movement variability* by KETV reporter Alex Hoffman: [www.ketv.com/news/uno-receives-10-million-grant-to-study-movement-variability/27814756#!bOymrq]
14. In Unomaha Campus news, August 15, 2014; *UNO Receives Largest Research Grant in School History to Launch Biomechanics Research Center*, by Charley Reed, University Communications: [www.unomaha.edu/news/2014/08/cobre.php]
15. New Invention Notification from UNeMed Corporation (UNMC), June 10, 2014.

16. New Invention Notification from UNeMed Corporation (UNMC), *Research Innovation Awards*, Oct 18, 2012.
17. In Omaha World Herald: August 05, 2013. *\$6 million research building will give UNO a leg up in biomechanics*. Rick Ruggles. World Herald staff writer.
18. In Midlands Business Journal: September 20, 2013, page 37; *Insighter: A snapshot of recent happenings in the areas business community*. [Featured with our donors Ruth and Bill Scott]
19. Five-year Service Award, University of Nebraska at Omaha, 2012.
20. Honorable Mention from College of Education for *Highest Amount Requested for Submitted Grants in the 2011-2012 Academic Year*.
21. American Heart Association *Postdoctoral Fellowship Award*, 2008-2009.
22. Travel grant for *Sigma Xi Annual Meeting and Student Research Conference*, Detroit, Michigan. Nov 2-5, 2006
23. Travel grant for *International Stroke Conference*, Kissimmee, FL, Feb 2006.
24. Merit Scholarship by the Engineer's India Ltd., New Delhi for undergraduate studies in Physical Therapy, 1994-1998.
25. Junior Science Talent Search Examination, New Delhi, India, 1991-1992
26. 2nd prize in painting, *Hungarian Information and Cultural Center*, New Delhi, 1987
27. Certificate of Merit, *Shankar's International Children's Painting competition*, New Delhi, 1985
28. Prize, *Shankar's International Children's Painting competition*, New Delhi, 1984
29. Gold Medal, *The Nehru Bal Samiti Painting competition*, New Delhi, 1983

PROFESSIONAL Memberships

1. 2016- Member, World Stroke Organization
2. 2016- Member, NM4R – Neuromodulation for Rehabilitation Group
3. 2010- Member, Stroke Council, American Heart Association
4. 2009- Member, American Heart Association
5. 2008- Member, International Brain Research Organization
6. 2008- Member, Society for Neuroscience
7. 2006- Member, American Society of Biomechanics
8. 2006- Member, International Society of Biomechanics
9. 2006- Member, Sigma Xi Research Society

JOURNAL REVIEWER

1. 2017- *Topics in Stroke Rehabilitation*
2. 2016- *Attention, Perception and Psychophysics*
3. 2016- *Human Movement Sciences*,
4. 2016- *Nature Scientific Reports*
5. 2015- *Virtual Reality*
6. 2015- *Journal of NeuroEngineering and Rehabilitation*
7. 2015- *Clinical Neurology and Neurosurgery*
8. 2014- *Laterality: Asymmetries of Body, Brain and Cognition*
9. 2013- *Journal of Neurophysiology*
10. 2013- *Journal of Gerontology Psychological Sciences*
11. 2013- *PLOS One*
12. 2012- *Physical Therapy*

13. 2012- *Experimental Brain Research*
14. 2012- *Annals of Biomedical Engineering*
15. 2012- *Neurorehabilitation and Neural Repair*
16. 2012- *Journal of Applied Biomechanics*
17. 2012- *Transactions on Neural Systems & Rehabilitation Engineering*
18. 2011- *Journal of Biomechanics*
19. 2010- *Gait and Posture*
20. 2009- *Stroke*
21. 2009- *Archives of Physical Medicine & Rehabilitation*
22. 2009- *CyberPsychology and Behavior*
23. 2009- *Neuroscience Letters*

EDITORIAL BOARD MEMBER

1. 2018 onwards – *Frontiers for Young Minds* [Review Editor for *Understanding Neuroscience*]
2. 2015 onwards – *Brain Sciences* [<http://www.mdpi.com/journal/brainsci/editors>]

GRANT REVIEWER

1. 2018 – Invited Reviewer, faculty grant program, Center for Health + Technology Clinical Neuroscience pilot program (*University of Rochester, Rochester, NY*), August 2018.
2. 2018 – Peer Reviewer, Small Business Innovation Research – Phase I, National Institute of Disability, Independent Living and Rehabilitation Research (*US Dept. of Education*), March 6-8.
3. 2017 – Peer Reviewer, National Science Foundation, Perception Action and Cognition, September 16, 2017.
4. 2017 – Peer Reviewer (Alternate), DRRP on Health & Function for Individuals with Physical Disabilities, National Institute of Disability, Independent Living and Rehabilitation Research (US Dept. of Education), May 2-4.
5. 2017 – Peer Reviewer, Small Business Innovation Research – Phase I, National Institute of Disability, Independent Living and Rehabilitation Research (US Dept. of Education), April 3-5.
6. 2016 – Peer Reviewer, Graduate Research and Creative Activity Awards, ORCA, University of Nebraska at Omaha. Nov 2016.
7. 2016 – Peer Reviewer, Type I Diabetes Pathfinder Award, NIH/NIDDK National Institute of Diabetes and Digestive and Kidney Diseases Special, Bethesda, MD, July 14, 2016.
8. 2015 – Peer Reviewer, Graduate Research Fellowship, National Science Foundation, Sep 9-11.
9. 2015 – Peer Reviewer, Graduate Research and Creative Activity Awards, Office of Research and Creative Activity, University of Nebraska at Omaha. April 9-11.
10. 2014 – Peer Reviewer, RRTC on Health & Function for Individuals with Physical Disabilities, National Institute of Disability and Rehabilitation Research (US Dept. of Education), Sep 9-11.
11. 2014 – Peer Reviewer, DRRP on Health & Function for Individuals with Physical Disabilities, National Institute of Disability and Rehabilitation Research (US Dept. of Education), April 9-11.

12. 2013 – Peer Reviewer, DRRP on Health & Function for Individuals with Physical Disabilities, National Institute of Disability and Rehabilitation Research (US Dept. of Education), August 21-23.
13. UNMC Graduate Fellowship 2010 Bioinformatics section.

PANEL MEMBER

1. Omaha STEM ecosystem Pathways to emerging technology: Virtual Reality Technology in the workplace, today and tomorrow. March 27, 2018.

SERVICE IN COMMITTEES

Committee Chair

- RPT Committee, BMCH [Fall 2017-present]
- Faculty Search Committee, Department of Biomechanics, BRB [Fall 2015-Spring 2016]
- Doctoral Program Committee, BMCH and HPER [Fall 2014]

Committee Member

- Doctoral Program Committee, HPER/BMCH [Spring 2014-present]
- RPT Committee, BMCH [Fall 2015-Spring 2017]
- Academic Standards and Policy Committee, COE [Fall 2015-Spring 2017]
- Library and Learning Services Committee, UNO [Fall 2014-Spring 2017]
- Management Committee, BRB [2012-2016]
- COBRE Faculty Search Committee, Biomechanics Research Building, UNO [Fall 2014-Spring 2015]

ADVISING and TEACHING ACTIVITY

Doctoral Dissertation Committee:

- A. Committee Chair:
 1. Zach Motz (2017-)
 2. Jessica Fujan-Hansen (2015-2018)
 3. Troy Rand (2013-2018)
 4. Bryon Applequist (2013-2017)
- B. Committee Member:
 1. Jenny Kent, UNO (2015-)
 2. Jung Hung Chien, UNMC (2010-2015)

Master's Thesis Committee:

- A. Committee Chair:
 1. Kyle Brozek (2018-)
 2. Takashi Sado (2017-)
 3. Dan Ridenour (2016-2018)
- B. Committee Member:
 1. Corbin Rasmussen (2017-)
 2. Todd Leutzinger (2017-)

3. Austin Duncan (2016-2018)
4. James Pierce (2016-2018)
5. Molly Schieber (2014-2017)
6. William Denton (2014-2017)
7. Zach Motz (2014-2016)
8. Alek Diffendaffer, UNO (2012-2014)
9. Troy Rand, UNO (2011-2013)

Graduate Advising (Non-thesis/dissertation)

1. Sarah Baker (2014-2017) Graduated with MA (Exercise Science).
2. Nick Than (2014-2017) Graduated with MA (Exercise Science).
3. Josh Pickhinke, UNO (2013-2015) Graduated with MA (Exercise Science).
4. Mike Hough, UNO (2013-2015).

Undergraduate Advising

1. Samantha Hui Wen Chong, UNO (2018-).
2. Maddisen Mohnsen, UNO (2018-).
3. Lauren Bowman UNO (2016-2018)
4. Daniel Maxwell, UNO (2017)
5. Jarron Storm, UNO (2016)
6. Aaron Anderson, Creighton University (2014)
7. James Nielsen, UNO (2014-2017)
8. Rebecca Tuemler, UNO (2014-2016)
9. Megan Catlett, UNO (2014-2016)
10. Allison Hoover, UNO (2014-2017)
11. Kimberley Lueders, UNO (2014)
12. Bryan Arnold, UNO (2011-2014)
13. Will Heida, UNO (2013)
14. Austin Davidson, UNO (2010-2013)

Medical/Engineering Student Advising

1. William Guo, Biomedical Engineering student, University of Wisconsin (Summer 2018)
2. John Graden Hudson, MS student in Human Computer Interaction at Iowa State University (Fall 2016) - *advising for a HCI project.*
3. Mohan Ambati (2016-2017), Engineering student from UNO PKI
4. Douglas Rowen, Biomedical Engineering student, UNL (Summer 2015)
5. Alexandra Pollack, MD student, Creighton University (Summer 2014)
6. Mitchel White, Biomedical Engineering student, UNL (Summer 2014)
7. Songita Choudhury, MD-PhD student (Summer 2013)

School Student Advising:

1. Noah Bastola, High School Senior (Summer 2015)
2. Caelan Young, 7th grade – advising for a school science project

Laboratory Technician Advising

1. Troy Rand, UNO (2016-2018)
2. Patrick Meng-Frecker, UNO (2014-2016).

Postdoctoral Research Associate Advising

1. Jose Baca, UNO (2013-2017).
2. Pradeep Ambati, UNO (2014-2016).
3. Dirk-Jan Eikema, UNO (2013-2015).

Co-Mentoring graduate students with Dr. Nick Stergiou at UNO and Dr. Wen Liu at KUMC

1. Chun-Kai Huang, doctoral student, UNMC (2010- 2015).
2. Chi-Wei Tan, doctoral student, UNMC (2010-2011).
3. Panagiotis Koutakis, doctoral student, UNMC (2010).
4. Jeffery Kaipust, Master's student, UNO (2008-10).
5. Irene Lee, doctoral student, UNMC (2007- 2011).
6. Dimitros Katsavelis, doctoral student, UNMC (2007- 2010).
7. Carrie Park, Doctor of Physical Therapy student, KUMC (2005-06).

Co-Mentoring postdoctoral students with Dr. Nick Stergiou at UNO

1. Mu Qiao, UNO (2012-2014).
2. Yawen Yu, UNO (2011- 2013).
3. Srikant Vallabhajosula, UNO (2011- 2012).
4. Shihyun Park, UNO (2010- 2011).

TEACHING ACTIVITY:

1. Instructor, BMCH 8910: Independent Study, Zach Motz, UNO (Fall 2018).
2. Instructor, BMCH 8400/9401: Motor Learning I, UNO (Fall 2018).
3. Instructor, BMCH 9510: Motor Control II, UNO (Spring 2018).
4. Invited lecturer, Advanced Biomechanics II, UNO (Spring 2018)
5. Instructor, BMCH 8910: Independent Study, Austin Duncan, UNO (Fall 2017).
6. Invited lecturer, Motor Learning II, BMCH 9500, UNO (Spring 2017)
7. Invited lecturer, Advanced Biomechanics II, UNO (Spring 2017)
8. Instructor, HPER 8100: Independent Study, Troy Rand, UNO (Fall 2016).
9. Instructor, HPER 8100: Independent Study, Jessica Fujan-Hansen, UNO (Fall 2016).
10. Instructor, HPER 8100: Independent Study, Troy Rand, UNO (Fall 2015).
11. Instructor, HPER 8100: Independent Study, Christopher Collins, UNO (Summer 2015).
12. Invited lecturer, Motor Learning I, BMCH 8400/9401, UNO (Fall 2014)
13. Invited lecturer, Advanced Biomechanics II, UNO (Spring 2014)
14. Instructor, HPER 8100: Independent Study, Josh Pickhinke, UNO (Spring 2013).
15. Instructor, PE 8400: Motor Learning, UNO (Spring 2013).
16. Co- Instructor, PE 8410: Motor Control, UNO (Fall 2012).
17. Co- Instructor, PE 8400: Motor Learning, UNO (Spring 2010).
18. Instructor, PE 8400: Motor Learning, UNO (Fall 2008).
19. Co- Instructor, PE 8410: Motor Control, UNO (Spring 2008).
20. Graduate teaching assistant Instrumental Analysis of Human Motion (Fall 2004).

BIBLIOGRAPHY

ARTICLES IN PEER REVIEWED JOURNALS

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