

Curriculum vitae

Marc Dalecki, Ph.D.

Assistant Professor, School of Kinesiology
Louisiana State University

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Address:

School of Kinesiology, Louisiana State University
2236 Pleasant Hall, Baton Rouge, LA 70803
office 225-578-6087
mdalecki@lsu.edu | mobecolab.com

EDUCATION/DEGREES

- 2013 Doctoral degree (Dr. Sportwiss.); Human Movement Science; German Sport University, Cologne, Germany. Thesis: "Human fine motor control and cognitive performance in simulated weightlessness by water immersion". Grade: Summa cum laude.
- 2006 Diploma degree (Dipl. Sport scientist); German Sport University, Cologne, Germany; Diploma thesis: "Determination of ventilatory parameters in a field test for divers with rebreather diving apparatus" Grade: 1.3.

ACADEMIC POSITIONS

- 2017 - Present Assistant Professor, School of Kinesiology, College of Human Sciences and Education, Louisiana State University, Baton Rouge, LA, U.S.
- 2014 - 2016 Postdoctoral Fellow, Motor Control Lab, School of Kinesiology and Health Science, York University, Toronto, ON, Canada, Supervisor: Dr. Lauren E Sergio
- 2013 - 2014 Postdoctoral Fellow, Motor Control Lab, Institute of Physiology and Anatomy, German Sport University Cologne, Germany, Supervisor: Dr. Otmar L Bock
- 2009 - 2013 PhD Student, Lecturer, Motor Control Lab, Institute of Physiology and Anatomy, German Sport University Cologne, Germany, Supervisor: Dr. Otmar L Bock
- 2007 - 2008 Research Assistant, Lecturer, Motor Control Lab, Institute of Physiology and Anatomy, German Sport University Cologne, Germany, Supervisor: Dr. Otmar L Bock

2006 Research Assistant, Lecturer, Exercise Physiology Group, Institute of Physiology and Anatomy, German Sport University Cologne, Germany, Supervisor: Dr. Uwe Hoffmann

FURTHER ACADEMIC AFFILIATIONS

2018 - Present Member, Multidisciplinary Initiative for Neuroscience Discovery (MIND), Louisiana State University, Baton Rouge, LA, U.S.
(Since 2021: Executive Committee Member)

2017 - Present Member, Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, U.S.

2015 - 2016 Affiliate Member, Canadian Action and Perception Network, Brain in Action NSERC CREATE / IRTG Training Program

2014 - 2016 Member, Centre for Vision Research, York University, Toronto, ON, Canada

2010 - 2014 Member, Center for Health and Integrative Physiology in Space (CHIPS), German Sport University Cologne, Germany

AWARDS

2020 Louisiana State University TAF Undergraduate Teaching Award, College of Human Sciences & Education, Louisiana State University (\$ 2000)

2020 2019 Best Paper Award (First Author), 7th prize, European Journal of Sports Science

2014 Postdoctoral Fellowship Award, School of Kinesiology and Health Science, Faculty of Health, York University, Toronto, Canada

2014 Young Investigator Science Award 1st prize winner, category natural sciences, dissertation, German Sport University, Cologne, Germany (€ 1.500)

2013 Poster Presentation 1st prize winner at the "19th IAA Humans in Space" conference, July 2013, Cologne (Germany)

2011 PhD student travel grant honored by the SKILLS committee to participate at the SKILLS Summer School "Skill Learning and Virtual Environments" 2011, Gargonza (Italy)

2010 Research grant award for the PhD student project „Psychomotor performance in simulated weightlessness by water immersion“, German Aerospace Center

2010 Team Achievement Award in appreciation of the dedicated contribution to the successful development and implementation of the "SCUBA, SSDS and EVA Pre-Familiarization Training of the new ESA Astronauts" - European Space Agency, European Astronaut Center (EAC), Cologne (Germany)

2006 Award from the European Space Agency (ESA) in recognition of preparation and participation to the "ESA, JAXA, NASA Crew Review of the ESA EVA-Pre-Familiarization Program" at the European Astronaut Centre (EAC), Cologne (Germany)

PUBLICATIONS

a) SUMMARY

Manuscripts in preparation	4
Manuscripts submitted to refereed journals	1
Publications refereed journals	30
Book chapters	4
Publications non-refereed journals	4
Abstract publications	8
Abstracts/ Poster/Talks conference meetings	44

b) DETAILED LISTING

MANUSCRIPTS IN PREPARATION

Veillon-Bradshaw M, Phillips B, Jones B, **Dalecki M**. Cognitive-motor integration deficits in young adults with a sport-related concussion history from adolescence: a task novelty or task demand problem? In preparation for submission at Neuroscience Letters.

Dalecki M, Veillon-Bradshaw M. Performance changes during a short series of trials during a cognitive-motor integration task: adaptation or strategy? In preparation for submission at Human Movement Science.

Wang Z, Spielmann G, Johannsen N, Greenway F, **Dalecki M**. Boost your brain: A 100% oxygen treatment can enhance human motor learning processes. In preparation for submission at Nature Neuroscience.

Burger K, Aubanel M, Kuznetsov N, **Dalecki M**. Catch me if you can: Task occlusion during football catching drills in virtual reality affect skill acquisition speed but not learning. In preparation for submission at Journal of Motor Behavior.

MANUSCRIPTS SUBMITTED TO REFEREED JOURNALS

Phillips B, Adkins J, Jones B, **Dalecki M**. Prolonged eye-hand decoupling deficits in young adults with a history of concussion from high school. European Journal of Sport Science, TEJS-2021-0453-R1, under re-review.

PUBLICATIONS REFEREED JOURNALS

Dalecki M, Steinberg F, Beurskens R. Rapid dual-task decrements after a brief period of manual tracking in simulated weightlessness by water submersion. Human Factors, 10.1177/00187208211051804, in press.

Caffey A, **Dalecki M** (2021). Evidence of Residual Cognitive Deficits in Young Adults with a Concussion History from Adolescence. Brain Research, 1768(10), 147570.

Yeomans M, Phillips B, **Dalecki M**, Hondzinski JM (2021). Eye Movements Influence on Coupled and Decoupled Eye-Hand Coordination Tasks. Experimental Brain Research, 239(8), 2477-2488.

Yeomans M, Yan, S, Hondzinski JM, **Dalecki M** (2021). Eye-hand decoupling decreases visually guided reaching independently of posture but reduces sway while standing: Evidence for supra-postural control. Neuroscience Letters, 752(5): 135833.

Jones B, Van Gemmert A, **Dalecki M** (2020). Does hand-dominance matter in non-standard visuomotor transformations? *Journal of Motor Behavior*, 53(5): 622-631.

Dalecki M, Usand J, Van Gemmert A, Sergio LE (2020). Eye-hand decoupling deficits in youth with concussion history: novelty adaptation or task demand problem? *International Journal of Sport Medicine*, 41(10): 688-695.

Möller F, Hoffmann U, **Dalecki M**, Dräger T, Doppelmayr M, & Steinberg F (2019). Physical Exercise Intensity During Submersion Selectively Affects Executive Functions. *Human Factors*, 63(2): 227-239.

Dalecki M, Gorbet D, Macpherson A, Sergio LE (2019). Sport experience improves complex motor skill recovery in children and adolescents following concussion. *European Journal of Sport Science*, 19(9): 1257-1266.

Dalecki M, Gorbet D, Sergio LE (2019). Development of rule-based eye-hand-decoupling in children and adolescents. *Child Neuropsychology*, 25(8): 1098-1115.

Van Wijngaarden A, **Dalecki M**, Hawkins K, Sergio LE (2018). Concussion history and Alzheimer's disease risk affect cognitive-motor integration in distinct ways. *Jacobs Journal of Neurology and Neuroscience*, 5(1): 038.

Dalecki M, Kalicinski M, Steinberg F, Bock O (2017). Age-related operator deficits in a realistic instrument-control task: Assessing possible motor, cognitive and mental causes. *International Journal of Industrial Ergonomics*, 59(5):100-107.

Kalicinski M, Steinberg F, **Dalecki M**, Bock O (2016). Gaze behavior while operating a complex instrument-control task. *Aerospace Medicine and Human Performance*, 87(6): 1-6.

Dalecki M, Albines D, Macpherson A, Sergio LE. (2016). Prolonged cognitive–motor impairments in children and adolescents with a history of concussion. *Concussion*, 1(3), CNC14.

Brown J, **Dalecki M**, Hughes C, Macpherson AK, Sergio LE (2015). Cognitive-motor integration deficits in young adult athletes following concussion. *BMC Sports Science, Medicine and Rehabilitation* 7(1), 25.

Steinberg F, Kalicinski M, **Dalecki M**, Bock O (2015). Human performance in a realistic instrument-control task during short-term microgravity. *PLoS ONE* 10(6): e0128992.

Bock O, **Dalecki M** (2015). Mental rotation of letters, hands and complex scenes during whole-body tilt: Role of a body-centered versus a gravitational reference frame. *Human Movement Science* 40: 352-358.

Dalecki M, Bock O (2014). Isometric force exaggeration in simulated weightlessness by water immersion: role of visual feedback. *Aerospace Medicine and Human Performance* 85(6): 605-611.

Schneider S, Cheung J, Frick H, Krehan S, Micke S, Sauer M, **Dalecki M**, Dern S (2014). When neuroscience gets wet and hardcore: neurocognitive markers obtained during whole body water immersion. *Experimental Brain Research* 232: 3325-3331.

Thomas M, **Dalecki M**, Abeln V (2013). EEG coherence during mental rotation of letters, hands and scenes. *International Journal of Psychophysiology* 89(1): 128-135.

Dalecki M, Bock O, Hoffmann U (2013). Inverse relationship between task complexity and performance deficit in 5 m water immersion. *Experimental Brain Research* 227: 243-248.

Dalecki M, Bock O (2013). Changed joint position sense and muscular activity in simulated weightlessness by water immersion. *Aerospace Medicine and Human Performance* 84(2): 110-115.

Dalecki M, Dern S, Steinberg F (2013). Mental rotation of a letter, hand and complex scene in microgravity. *Neuroscience Letters* 533: 55-59.

Dalecki M, Bock O, Schulze B (2012). Cognitive impairment during 5 m water immersion. *Journal of Applied Physiology* 113: 1075-1081.

Dalecki M, Dräger T, Mierau A, Bock O (2012). Production of finely graded forces in humans: Effects of simulated weightlessness by water immersion. *Experimental Brain Research* 218: 41-47.

Dalecki M, Hoffmann U, Bock O (2012). Mental rotation of letters, body parts and complex scenes: Separate or common mechanisms? *Human Movement Science* 31: 1151-1160.

Steinberg F, Dräger T, Steegmanns A, **Dalecki M**, Röschmann M, Hoffmann U (2011). fit2dive - A field test for assessing the specific capability of underwater fin swimming with SCUBA. *International Journal of Performance Analysis in Sport* 11: 197-208.

Dalecki M, Bock O, Guardiera S (2010). Simulated flight path control of fighter pilots and novice subjects at +3 Gz in a human centrifuge. *Aerospace Medicine and Human Performance* 81(5): 484-488.

Guardiera S, **Dalecki M**, Bock O (2010). Stability of simulated flight path control at +3 Gz on a human centrifuge. *Aerospace Medicine and Human Performance* 81(4): 394-398.

Dalecki M, Bock O, Guardiera S (2009). Visual field motion effects on the production of manual forces and displacements. *Aerospace Medicine and Human Performance* 80: 790-795.

Steinberg F, Steegmanns A, Dräger T, **Dalecki M**, Röschmann M, Hoffmann U (2009). Erste Ergebnisse des tauchspezifischen Leistungstests "fit2dive". *Caisson* 24(2): 15-19.

BOOK CHAPTERS

Beurskens R, **Dalecki M**. Physical activity: Effect of exercise on neurological function. In: Watson, RR (Edit.). *Physical activity and the aging brain: Effect of exercise on neurological function*. Academic Press Elsevier, 1. Edition 2017, Chapter 18, 185-198, ISBN 978-0-12-805094-1. DOI: <https://doi.org/10.1016/b978-0-12-805094-1.00018-6>.

Dalecki M, Dräger T, Hoffmann U. Chapter 2 Allgemeine Hinweise zur Übungsauswahl und Gestaltung. In: Hoffmann U (Edit). *Sporttauchen lernen. Richtig üben und trainieren*. Edition Naglschmid, Delius Klasing Verlag, 1. Edition 2013, ISBN 978-3-7688-3580-0.

Dalecki M, Hoffmann U. Chapter 3 Tauchausbildung mit ABC Ausrüstung. In: Hoffmann U (Edit). *Sporttauchen lernen. Richtig üben und trainieren*. Edition Naglschmid, Delius Klasing Verlag, 1. Edition 2013, ISBN 978-3-7688-3580-0.

Dalecki M, Hoffmann U. Chapter 4 Lernziel Tauchen mit DTG Ausrüstung. In: Hoffmann U (Edit). *Sporttauchen lernen. Richtig üben und trainieren*. Edition Naglschmid, Delius Klasing Verlag, 1. Edition 2013, ISBN 978-3-7688-3580-0

PUBLICATIONS NON-REFEREED JOURNALS

Dalecki M, Hoffmann U, Steinberg F (2014). Tauchtraining Teil 4: Apnoefähigkeit in kritischen Situationen. *Divemaster* 82: 39-42.

Dalecki M, Hoffmann U, Steinberg F (2014). Tauchtraining Teil 3: Stresstraining als beste Prävention. *Divemaster* 81: 17-20.

Dalecki M, Hoffmann U, Steinberg F (2014). Tauchtraining Teil 2: Orientierung im Raum. *Divemaster* 80: 25-26.

Dalecki M, Hoffmann U, Steinberg F (2014). Tauchtraining Teil 1: Geschicklichkeit. *Divemaster* 79: 17-18.

ABSTRACT PUBLICATIONS

Yeomans M, Steinberg F, Spielmann G, Hondzinski J, **Dalecki M** (2021). Electrocortical Activity and Postural Control During Eye-Hand Coupling and Decoupling Tasks in Aerobically Fit Versus Sedentary Individuals. *Journal of Sport & Exercise Psychology*, 43:52-52.

Phillips, B, Jones B, **Dalecki M** (2020). Does time matter? Cognitive-motor integration deficits in college students with a history of concussion from high school. *Journal of Sport & Exercise Psychology*, 42:52-52.

Yeomans M, Yan S, Hondzinski J, **Dalecki M** (2020). Eye-hand coordination and postural control vary according to changes in cognitive-motor load. *Journal of Sport & Exercise Psychology*, 42:63-63.

Arata W, Phillips, B, Jones B, Adkins J, **Dalecki M** (2019). Prolonged Eye-Hand Coordination Deficits in Young Adult non-Athletes with a History of Concussion. *Journal of Sport & Exercise Psychology*, 41:25-25.

Yeomans M, Phillips B, Hondzinski J, **Dalecki M** (2019). Fixations Improved Temporal Movement Characteristics During Eye-Hand Coordination Tasks. *Journal of Sport & Exercise Psychology*, 41:53-53.

Dalecki, M., Usand, J., Sergio, L., & Van Gemmert, A. (2018). Are cognitive-motor integration deficits in children with concussion history linked to motor learning deficits? *Journal of Sport & Exercise Psychology*, 40:48-48.

Cutone M, **Dalecki M**, Goel J, Wilcox L, Allison R (2018). A Statistical Paradigm for Assessment of Subjective Image Quality Results. *SID Symposium Digest of Technical Papers*, 49(1):1312-1314.

Sergio, LE, **Dalecki, M**, Hurtubise, J, Brown, J, Gorbet, D, Hughes, C, & Macpherson, A (2017). Measuring cognitive-motor integration to detect prolonged performance declines post-concussion. *British Journal of Sports Medicine*, 51(11): A41.

POSTER/TALK CONFERENCE PRESENTATIONS

Wang Z, Spielmann G, Johannsen N, Greenway F, **Dalecki M**. Boost your brain? 100% oxygen supply improves motor learning processes during a visuomotor adaptation task. Accepted abstract for poster presentation at the Society for Neuroscience (SfN) Meeting, November 2021, Chicago (U.S.), abstract #1048.

Burger K, Aubanel M, Kuznetsov N, **Dalecki M**. Catch me if you can: Task occlusion effects on football catching skills performed in a virtual reality environment. Accepted for poster presentation at the Society for Neuroscience (SfN) Meeting, November 2021, Chicago (U.S.), abstract #3723.

Entezami S, **Dalecki M**, Smeha N, Brown J, Cavaliere A, Hurtubise J, Macpherson A, Sergio L. The effect of multiple concussions on rule-based and basic visuomotor performance in humans. Accepted for poster presentation at the Society for Neuroscience (SfN) Meeting, November 2021, Chicago (U.S.), abstract #4371.

Yeomans M, Steinberg F, Spielmann G, Hondzinski J, **Dalecki M**. Electroocortical activity and postural control during eye-hand coupling and decoupling tasks in aerobically fit versus sedentary individuals. Talk presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSA) Virtual Conference, June 2021.

Dalecki M, Veillon-Bradshaw M. Does time matter? Quick performance changes during a short series of trials in a cognitive-motor integration task. Poster presented at the Annual Meeting of the Neural Control of Movement, April 2021.

O'Neil M, Phillips B, Jones B, **Dalecki M**. Prolonged eye-hand decoupling deficits in young adults with concussion history from adolescence: issues with task novelty or ongoing task demand? Poster presented at the Society for Neuroscience (SfN) Global Connectome Virtual Conference, January 2021.

Phillips B, Jones B, **Dalecki M**. Does time matter? Cognitive-motor integration deficits in college students with a history of concussion from high school. Poster presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Virtual Conference, June 2020.

Yeomans M, Yan S, Hondzinski J, **Dalecki M**. Eye-hand coordination and postural control vary according to changes in cognitive-motor load. Poster presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Virtual Conference, June 2020.

Jones B, Van Gemmert A, **Dalecki M**. Does direction matter during eye-hand decoupled visuomotor tasks with the dominant and non-dominant hand? Poster presented at the Annual Biomedical Research Conference for Minority Students (ABRCMS), November 2019, Anaheim, CA (U.S.).

Caffey A, **Dalecki M**. Prolonged cognitive deficits in young adults with a history of a concussion. Poster presented at Society for Neuroscience (SfN) Meeting, October 2019, Chicago (U.S.).

Yeomans M, Phillips B, Hondzinski J, **Dalecki M**. Fixations improved temporal movement characteristics during eye-hand coordination tasks. Poster presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Conference, June 2019, Baltimore (U.S.).

Arata W, Phillips B, Jones B, Adkins J, **Dalecki M**. Prolonged eye-hand coordination deficits in young adult non-athletes with a history of concussion. Poster presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Conference, June 2019, Baltimore (U.S.).

Jones B, Van Gemmert A, **Dalecki M**. Does rule-based visuomotor performance differ between the dominant and non-dominant hand? Poster presented at the Annual Biomedical Research Conference for Minority Students (ABRCMS), November 2018, Indianapolis (U.S.).

Dalecki M, Adkins C, Stokes C. Eye-hand coordination deficits in individuals with diabetes during a cognitive-motor integration task. Poster presented at the Society for Neuroscience (SfN) Meeting, November 2018, San Diego (U.S.).

Jones B, Van Gemmert A, **Dalecki M**. Rule-based visuomotor transformations differ between the dominant and non-dominant hand. Poster presented at the Society for Neuroscience (SfN) Meeting, November 2018, San Diego (U.S.).

Dalecki M, Usand J, Sergio, L, Van Gemmert A. Are cognitive-motor integration deficits in children with concussion history linked to motor learning deficits? Poster presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Conference, June 2018, Denver (U.S.).

Cutone M, **Dalecki M**, Goel J, Wilcox L, Allison R. A statistical paradigm for assessment of subjective image quality results. Poster presented at the Society for Information Display Symposium, May 2018, Los Angeles (U.S.).

Dalecki M, Gorbet D, Sergio LE. Don't watch where you're going: Cognitive-motor integration development in children and adolescents. Poster presented at the Society for Neuroscience (SfN) Meeting, November 2017, Washington D.C. (U.S.).

Usand J, Van Gemmert A, **Dalecki M**. Does short-term adaptation alter cognitive motor deficit levels in children with a history of concussion? Poster presented at the Annual Biomedical Research Conference for Minority Students (ABRCMS), November 2017, Phoenix (U.S.).

Jones B, Van Gemmert A, **Dalecki M**. Does cognitive-motor integration performance differ between the hands? Poster presented at the Annual Biomedical Research Conference for Minority Students (ABRCMS), November 2017, Phoenix (U.S.).

Dalecki M, Gorbet D, Macpherson A, Sergio LE. Factors affecting cognitive-motor integration impairment and recovery post-concussion. Poster presented at the Society for Neuroscience (SfN) Meeting, November 2016, San Diego (U.S.).

Sergio LE, **Dalecki M**, Hurtubise J, Brown, J, Gorbet D, Hughes C, Macpherson A. Measuring cognitive-motor integration to detect prolonged performance declines post-concussion. Poster presented at the 5th International Consensus Conference on Concussion in Sport, October 2016, Berlin (Germany).

Dalecki M, Macpherson A, Sergio LE. Prolonged cognitive-motor integration deficits in children with a concussion history. Poster presented at the Traumatic Brain Injury Conference, January 2016, Toronto (Canada).

Dalecki M, Albines D, Macpherson A, Sergio LE. Children show cognitive-motor integration deficits nearly two years after concussion. Poster presented at Society for Neuroscience (SfN) Meeting, October 2015, Chicago (U.S.).

Van Wijngaarden A, **Dalecki M**, Hawkins K, Sergio LE. Comparison of cognitive motor integration deficits of children with concussion history and elderly with Alzheimer's disease risk. Poster presented at Society for Neuroscience (SfN) Meeting, October 2015, Chicago (U.S.).

Dalecki M, Sergio LE. Prolonged cognitive-motor impairments in children with a history of concussion. Poster presented at the Satellite symposium "Vision and Movement Order and Disorder – from Bench to Bedside", 9th Annual Canadian Neuroscience Meeting, 24th May 2015, Vancouver (Canada).

Dalecki M, Sergio LE. Prolonged cognitive-motor impairments in children with a history of concussion. Poster presented at the "9th Annual Canadian Neuroscience Meeting", May 2015, Vancouver (Canada).

Kalicinski M, **Dalecki M**, Steinberg F, Bock O. Age-related differences in a realistic process-control task. Poster presented at the "Third International Conference on Aging and Cognition", April 2015, Dortmund (Germany)

Dalecki M, Steinberg F, Kalicinski M, Bock O. The operation of control devices in old age: A new approach to assess motor and cognitive performance during realistic working scenarios. Poster presented at Society for Neuroscience (SfN) Meeting, November 2014, Washington D.C. (U.S.)

Steinberg F, **Dalecki M**, Kalicinski M, Bock O. Human operator characteristics in microgravity: Influence of stress, mood and motivation in a realistic working scenario. Poster presented at "Neuroscience" SfN Meeting, November 2014, Washington (U.S.)

Kalicinski M, Steinberg F, **Dalecki M**, Bock O. Human operator characteristics in a realistic working scenario in microgravity. Poster presented at the "6th International Congress of Medicine in Space and Extreme environments", September 2014, Berlin (Germany)

Dern S, Steinberg, F, **Dalecki M**. Influence of microgravity on egocentric and allocentric mental rotation. Poster presented at the "19th IAA Humans in Space Symposium", July 2013, Cologne (Germany)

Dalecki M, Bock O, Hoffmann U. Fine motor control and cognitive performance under water in comparable depths and body postures of astronaut training. Poster presented at the "19th IAA Humans in Space Symposium", July 2013, Cologne (Germany)

Dalecki M, Bock O, Hoffmann U. Mental rotation and executive control: Influence of simulated weightlessness by water immersion. Poster presented at Society for Neuroscience (SfN) Meeting, October 2012, New Orleans (U.S.)

Dalecki M, Hoffmann U, Bock O. Common and distinct mechanisms for mental rotation of external objects, body parts and complex scenes? Poster presented at "Neurovisionen", October 2011, Essen (Germany)

Dalecki M, Hoffmann U, Bock O: Human fine motor skills in simulated weightlessness. Poster presented at "SKILLS Summer School", July 2011, Gargonza (Italy)

Steinberg F, **Dalecki M**, Steegmanns A, Dräger T, Loosen D, Hoffmann U. Heart rate and ventilation responses to anticipate exhaustion in SCUBA diving. Poster presented at “ECSS Congress”, July 2011, Liverpool (UK)

Dalecki M, Hoffmann U, Bock O. Multiple mechanisms of mental rotation. Poster presented at “DVS Sportmotorik” conference, January 2011, Cologne (Germany)

Steinberg F, Dräger T, Steegmanns A, **Dalecki M**, Röschmann M, Mookerjee S, Hoffmann U. fit2dive - A field test for assessing fitness and performance in SCUBA diving. Poster presented at “ACSM’s 57th Annual Meeting”, June 2010, Baltimore (U.S.)

Nehring M, Guardiera S, Bock O, **Dalecki M**, Noppe A, Krause W. Pilots motor performance during simulated flight maneuvers in phases of sustained centrifugal acceleration. Poster presented at “ASMA2009”, May 2009, Los Angeles (U.S.)

Dräger T, **Dalecki M**, Hoffmann U. Development of a measuring system for performance diagnostic in SCUBA diving. Poster presented at “ECSS Congress”, June 2008, Estoril (Portugal)

Guardiera S, Bock O, Noppe A, **Dalecki M**, Hoepfener S, Pongratz H, Krause W. Isometric force production is degraded in hypergravity by vestibulo-spinal influences and cardiovascular stress. Talk presented at “Kongreß der Deutschen Physiologischen Gesellschaft“, March 2008, Cologne (Germany)

Guardiera S, Bock O, Noppe A, **Dalecki M**, Pongratz H, Krause W. The execution of forces and movements is differentially affected by hypergravity. Poster presented at Society for Neuroscience (SfN) Meeting, November 2007, San Diego (U.S.)

Dräger T, **Dalecki M**, Hoffmann U. Specific performance tests for diving. Poster presented at ICHM-EUBS meeting, May 2005, Barcelona (Spain)

INVITED TALKS/LECTURES

Dalecki M. New insights into complex cognitive-motor functions: Role of hand dominance and body posture on eye-hand decoupling performance. Presented July 2021 at the Open-Lab Talk Symposium, Department of Sport Science, University of Münster (Germany).

Dalecki M. Performing with a wounded brain? Eye-hand coordination in participants with diabetes. Presented May 2019 at the Peabody Society, College of Human Sciences & Education, Louisiana State University, Baton Rouge (U.S.).

Dalecki M. Cognitive-motor integration tasks: A sensitive assessment tool for detecting mild brain dysfunction in individuals with concussion history. Presented March 2019 at the Tri Beta Talk Series, Life Sciences, Louisiana State University, Baton Rouge (U.S.).

Dalecki M. Cognitive-motor integration tasks: A sensitive assessment tool for detecting mild brain dysfunction? Presented September 2018 at the Neuroscience Graduate Talk Series, Psychology Department, Louisiana State University, Baton Rouge (U.S.).

Dalecki M. Gefahr Gehirnerschütterung? Presented December 2017 at the Department of Further Education (VHS), Oelde (Germany).

Dalecki M. Eye-hand coordination tasks as sensitive assessment tool for detecting mild brain dysfunction. Presented June 2017 at the Colloquium Series of the Institute of Physiology and Anatomy, German Sport University, Cologne (Germany).

Dalecki M. Eye-hand coordination under altered external and internal conditions: Effects of extreme environments and concussion history on human fine motor skills. Presented Oct 2016 at the Centre for Vision Research Talk Series, York University, Toronto (Canada).

Dalecki M. Motor behavior under altered external and internal conditions: Effects of extreme environments and concussion history on human fine motor skills. Presented June 2016 at the School of Kinesiology, Louisiana State University, Baton Rouge (U.S.).

Dalecki M. Human motor control and cognition under altered conditions: Effects of simulated weightlessness and concussion history on eye-hand coordination. Presented April 2016 at the Neuroscience Seminar Series of the Centre for Neuroscience Studies, Queen's University, Kingston (Canada).

Dalecki M. Performing with a wounded brain: Assessing functional ability following concussion using cognitive-motor integration. Presented August 2015 at the Colloquium Series of the Institute of Physiology and Anatomy, German Sport University, Cologne (Germany).

Dalecki M. Human fine motor skills and cognitive performance in extreme environments. Presented October 2014 at the Neuroscience Seminar Series, York University, Toronto, ON (Canada).

Dalecki M, Dern S, Schulze B. Cognitive performance and fine motor control during water immersion. Presented December 2012 at the Workshop "Performance ability in SCUBA diving" from the Department of Further Education, DSHS Cologne, Cologne (Germany).

Dalecki M, Bock O, Hoffmann U. Motor and cognitive skills in simulated weightlessness during water immersion. Presented September 2012 at the "5th China-Germany Workshop on Microgravity and Space Life Sciences" in Rottach-Egern (Germany).

Dalecki M. Human fine motor skills in weightlessness, simulated weightlessness and in everyday situations. Presented September 2011 at the German Space Agency Workshop "Health Science in the Space Program" in Cologne (Germany).

Dalecki M. Human fine motor in weightlessness: Comparison of a laboratory and everyday task. Presented September 2010 at the German Space Agency and Centre of Integrated Space Physiology Opening Workshop, Cologne (Germany).

Dalecki M. Human fine motor skills and cognitive functions in simulated weightlessness. Presented September 2010 at the German Space Agency and Centre of Integrated Space Physiology Opening Workshop, Cologne (Germany).

Dalecki M. Excessive force production in hypergravity - possible origin and applied consequences. Presented December 2008 at the CVR talk series, York University, Toronto (Canada).

Dalecki M. Psychomotor performance in simulated weightlessness: Influence of water immersion and body position on central and specific cognitive and motor functions. Presented November 2008 at Brandeis University, Boston (U.S.).

Dalecki M. Excessive force production in hypergravity - possible origin and applied consequences. Presented November 2008 at Brandeis University, Boston (U.S.).

Dalecki M, Bock O, Hoffmann U. Spatial orientation and psychomotor performance in simulated weightlessness during complete water immersion. Presented April 2008 at European Astronaut Centre (EAC) Cologne (Germany).

RESEARCH FUNDING

External

Funded

- 2020 - 2021 **Co-Investigator:** "Impact of cannabidiol supplementation on sleep, metabolic, and cognitive-motor function - A randomized double-blind pilot study", Foy Health Inc. grant, **\$ 4.930**, PI Dr. Guillaume Spielmann.
- 2013 - 2018 **Collaborator:** "Assessing functional ability following mild brain insult using cognitive-motor integration", Canadian Institutes of Health Research (CIHR) grant, April 2013 - March 2018, **CAD \$ 472.549**, PI Dr. Lauren E. Sergio.
- 2014 - 2017 **Co-Investigator:** Equipment funding proposal "Influence of behavioural context on human sensorimotor coordination" (PI Dr. Otmar Bock), **€ 96.000** proposed within the project "Embodied cognition", PI Dr. Markus Raab and Dr. Rouwen Cañal-Bruland, **€ 176.600** proposed, funded by the German Research Foundation (DFG).
- 2013 - 2014 **Collaborator, person in charge:** "The operation of control devices during parabolic flights: Influence of weightlessness, stress and motivation". **€ 246.427**, PI Dr. Otmar Bock, funded by the German Aerospace Centre (DLR), grant 50WB1224.
- 2010 - 2013 **PHD student grant, collaborator, person in charge:** „Psychomotor performance in simulated weightlessness by water immersion“, **€ 142.000** proposed. Grant written under supervision of PI Dr. Uwe Hoffmann and Co-Investigator Dr. Otmar Bock. Implemented as partial project within "Determination of endurance capacity by gas exchange and heart rate kinetics during physical training", **€ 426000**, funded by the German Aerospace Center (DLR), grant 50WB0726
- 2007- 2009 **Collaborator:** "Operation of control sticks in high-Gz: comparison of pilots and inexperienced subjects". **€ 350.000**, PI Dr. Otmar Bock, funded by the Federal Ministry of Defense, Germany, grant M/SAB1/6/A007

Not funded

- 2021-2022 **Co-Investigator:** Coupling tDCS and physical exercise to improve brain plasticity and performance: An optimized countermeasure for future exploration-class missions. PI Dr. Fabian Steinberg, CO-I: Dr. Guillaume Spielmann, Dr. Brian Marx. 2020-NASA-HERO-Appendix-B-Proposal Step-II, Submitted November 2020, **\$ 149.166** proposed.
- 2020 - 2022 **Co-Principal Investigator:** "Combined Aerobic and Resistance Exercise to improve T-cell metabolism and Cognitive-Motor function in Older Adults with Type 2 Diabetes - CARE Trial", Co-PI Dr. Guillaume Spielmann, Co-I Dr Brian Irving. National Institute of Health (NIH) R21 grant, **\$ 419.002** proposed.
- 2018 - 2020 **Supervisor:** "Do sub-concussive impacts matter? The effects of head impacts on brain function in college football players over the course of a season". Banting Postdoctoral Fellowship Grant application from Dr. Johanna Hurtubise, funded by the Canadian Institutes of Health Research

(CIHR) and the National Science and Engineering Research Council (NSERC), Canada, \$ 114.000 proposed.

- 2018 - 2021 **Supervisor:** “Do sub-concussive impacts matter? The effects of head impacts on brain function in college football players over the course of a season”. CIHR Postdoctoral Fellowship Grant application from Dr. Johanna Hurtubise, funded by the Canadian Institutes of Health Research (CIHR), Canada, \$ 110.000 proposed.
- 2016 - 2018 **Principal Investigator:** Assessing cognitive-motor integration and brain activity in children with a history of concussion: Relation between performance deficits and functional network changes, CIHR, \$ 75.000 proposed.
- 2014-2016 **Principal Investigator:** Performing with a wounded brain: Assessing functional ability following concussion using cognitive-motor integration, CIHR/NSERC, \$ 114.000 proposed.
- 2014 – 2016 **Principal Investigator:** Performing with a wounded brain: Assessing the short- and long-term functional ability of young adults following concussion using cognitive-motor integration, CIHR, \$ 75.000 proposed.

Internal

Funded

- 2020 **Principal Investigator:** “Boost your brain? Motor learning and performance with different levels of oxygen supply” \$ 1455, Deans Faculty Research Grant Program Award, College of Human Sciences & Education, Louisiana State University.
- 2019 **Supervisor:** “Do dimensions matter? Development of an eye-hand coordination test in virtual reality”. \$ 1500, LSU Discover Undergraduate Research Grant application from Brandon Phillips, Louisiana State University.
- 2019 **Principal Investigator:** “Prolonged cognitive deficits in young adults with a history of a concussion from high school”. \$ 750, Faculty Travel Grant Award (Domestic), Office of Research and Economic Development, Louisiana State University
- 2019 **Supervisor:** “Cognitive Functioning in Young Adults with a History of a Concussion?”. \$ 2250, LSU Discover Undergraduate Research Summer Grant application from Abigail Caffey, Louisiana State University
- 2018 **Supervisor:** “Cognitive Functioning in Young Adults with a History of a Concussion?”. \$ 1500, LSU Discover Undergraduate Research Grant application from Abigail Caffey, Louisiana State University
- 2018 **Principal Investigator:** “Performing with a wounded brain? Assessing eye-hand coordination in individuals with diabetes” \$ 2000, Research Award, Deans Circle Faculty Research Grant Program, College of Human Sciences & Education, Louisiana State University
- 2018 **Principal Investigator:** “Are cognitive-motor integration deficits in children with concussion history linked to motor learning deficits?” \$ 840, Travel

Award, Deans Auxiliary Faculty Research and Travel Grant Program, College of Human Sciences & Education, Louisiana State University

- 2017 **Principal Investigator:** "Don't watch where you are going: Cognitive motor integration development in children and adolescents". **\$ 750**, Faculty Travel Grant Award (Domestic), Office of Research and Economic Development, Louisiana State University
- 2013 **Collaborator:** "The role of the operational context in fine motor skills: Comparison of kinematic and electrocortical activity in a typical every-day like and laboratory context". **€ 10.000**, PI Dr. Fabian Steinberg, funded by the German Sport University Cologne, Germany

AD HOC REVIEWER REFEREED JOURNALS

- Journal of Neurophysiology
- Journal of Applied Biomechanics
- Journal of Neurological Disorders
- Psychiatry Research
- BMC Pediatrics
- Motor Control
- Journal of Motor Behavior
- Journal of Sport Sciences
- Journal of Neurotrauma
- Experimental Brain Research
- Quarterly Journal of Experimental Psychology
- BioMed Research International
- International Journal of Sports Medicine
- Gait & Posture
- Measurement in Physical Education and Exercise Science
- Human Movement Science
- Frontiers in Integrative Neuroscience
- IEEE Transactions on Human-Machine Systems
- Concussion
- Frontiers in Psychology
- Medicine & Science in Sports & Exercise
- Journal of Integrative Neuroscience
- Developmental Neuropsychology
- Life Sciences in Space Research
- Revue Neurologique

GRANT REVIEWER

- Discovery Grants Program, Natural Sciences and Engineering Research Council (NSERC), Canada

COMMUNITY/UNIVERSITY SERVICE

- 2021 - Present Co-Chair, Motor Behavior Tenure-Track Hiring Committee, School of Kinesiology, Louisiana State University

2021 - Present	Executive Committee, Multidisciplinary Institute for Neuroscience Discovery, Louisiana State University
2019	Judge, 6 th annual LSU Discover Day Undergraduate Research and Creativity Symposium, Louisiana State University
2019	Judge, Life Course & Aging Center Spring Symposium, Louisiana State University
2018 - Present	Member, Multidisciplinary Institute for Neuroscience Discovery, Louisiana State University
2018 - Present	Member, Research and Discover Committee, College of Human Sciences and Education, Louisiana State University
2018 - Present	Member, Diversity Committee, College of Human Sciences and Education, Louisiana State University
2018	Judge, 5 th annual LSU Discover Day Undergraduate Research and Creativity Symposium, Louisiana State University
2017 - Present	Member, Life Course and Aging Center, Louisiana State University
2017 - 2019	Member, Motor Behavior Tenure-Track Hiring Committee, School of Kinesiology, Louisiana State University
2017	Judge, 4 th annual LSU Discover Day Undergraduate Research and Creativity Symposium, Louisiana State University
2017 - Present	Member, Motor Behavior Concentration, School of Kinesiology, Louisiana State University
2009 - 2012	Lecturer for the high school students University course "SCUBA diving", German Sport University Cologne
2008 - 2014	Lecturer for the open house presentation "Neuroscience Adventures in the Institute of Physiology and Anatomy" for pupils, German Sport University Cologne
2010 - 2012	Lecturer for the yearly employee day presentation "Neuroscience Adventures in the Institute of Physiology and Anatomy" for employees, German Sport University Cologne
2006 - 2012	Equipment manager, Hai-Society e.V. SCUBA diving club, Cologne, Germany

TEACHING EXPERIENCE

2020 - present	Instructor, School of Kinesiology Undergraduate Program (B.Sc. students) undergraduate major course KIN 3513 "Introduction to Motor Learning" , School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
2019 - present	Instructor, School of Kinesiology Graduate Program course KIN 7505 "Independent Research Study" , School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.

- 2019 Instructor, School of Kinesiology Graduate Program course **KIN 7532 “Advanced Topics in Motor Learning”**, School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
- 2018 Guest Lecturer, School of Kinesiology Graduate Program course **KIN 7900 “Introduction to Research Methods”**, School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
- 2017 - present Instructor, School of Kinesiology Undergraduate Program (B.Sc. students) undergraduate course **KIN 4900 “Independent Research Study”**, School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
- 2017 - present Instructor, School of Kinesiology Undergraduate and Graduate Program (B.Sc., M.Sc., and PhD students) undergraduate major course **KIN 4512 “Life Span Motor Development”**, School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
- 2016 Guest Lecture, Undergraduate Program (B.Sc. students) major course **KIN 4512 “Life Span Motor Development – Chapter 4: Physical Growth, Maturation and Aging”**, School of Kinesiology, Louisiana State University, Baton Rouge, LA, U.S.
- 2015 Guest Lecturer, Neuroscience Graduate Program (M.Sc. and Ph.D. students) course **“Brain Mechanisms of Movement in Health and Disease”**, Kinesiology and Health Science, York University Toronto, Canada
- 2013 Instructor, M.Sc. “Sport-Physiotherapy” degree course **“Sample identification and method selection”**, Department of Further Education, German Sport University Cologne
- 2012 Development of the Master’s degree Program “Space Physiology & Health” (draft), German Sport University Cologne
- 2009 - 2012 Instructor, Teacher training degree course **“SCUBA diving as school sport”**, German Sport University Cologne
- 2009 Development of the Teacher training degree course **“SCUBA diving as school sport”**, German Sport University Cologne
- 2008 - 2010 Instructor, Bachelor degree seminar **“BAS8: Movement safety and autonomy in household, working and traffic environments”**, German Sport University Cologne
- 2008 Instructor, Bachelor degree **BAS1 Bioscientific, deepening seminar + tutorial: “Movement coordination and motor learning”**, German Sport University Cologne
- 2008 - 2014 Instructor and instructor trainer, “fit2dive-Coach” course for the Department of Further Education, German Sport University Cologne
- 2007 - 2011 Instructor, Diploma degree course **“Open water SCUBA-diving”**, German Sport University Cologne
- 2006 - 2009 Instructor, Diploma degree course **“ABC-Diving”**, German Sport University Cologne

2006 - 2009	Instructor, Diploma degree course “SCUBA-Diving” , German Sport University Cologne
2006 - 2008	Lecturer, for the tutorial “Physiology of swimming and diving” , Diploma degree course, German Sport University Cologne

GRADUATE SUPERVISION

Thayne Bukoswki	M.Sc. Non-Thesis (fall 2020 - present), LSU (Committee Member)
Brandon Phillips	M.Sc. Thesis (spring 2020 - present), UofKentucky (External Committee Member)
Joshua Bunch	M.Sc. Non-Thesis (graduated spring 2020), LSU (Committee Member)
Zheng Wang	PhD Thesis (2019-present), LSU (Advisor, Committee Chair)
Kelley Burger	PhD Thesis (2019-present), LSU (Advisor, Committee Chair)
Matthew Yeomans	PhD Thesis (graduated summer 2020), LSU (Co-Advisor, Co-Chair)
Caroline Brockmeier	M.Sc. Non-Thesis (graduated spring 19), LSU (Committee Member)
Shazia Humayun	PhD Thesis (graduated spring 2020), LSU (Committee Member)
Shijun Yan	PhD Thesis (graduated spring 2020), LSU (Committee Member)
Morgan Grinnell	PhD Thesis (graduated 18), LSU (Committee Member)
Johanna Hurtubise	PhD Thesis (graduated summer 18), York University, Toronto (Mentoring)
Mani Kang	M.Sc. Thesis (graduated summer 16), York University, Toronto (Mentoring)
Nils Bury	PhD Thesis (graduated fall 17), German Sport University Cologne (Mentoring)
Benjamin Baak	PhD Thesis (graduated spring 15), German Sport University Cologne (Mentoring)
Johanna Genius	M.Sc. Thesis (graduated spring 14), German Sport University, Cologne (Co-Adv.)
Konstantin Glünkin	Dipl. Thesis (graduated summer 13), German Sport University, Cologne (Co-Adv.)
Pascal Ohrndorf	Dipl. Thesis (graduated spring 13), German Sport University, Cologne (Co-Adv.)
Benjamin Schulze	Dipl. Thesis (graduated winter 12), German Sport University, Cologne (Co-Adv.)
Fabian Olbrich	Dipl. Thesis (graduated fall 12), German Sport University, Cologne (Co-Adv.)
Raphael Redder	Dipl. Thesis (graduated spring 12), German Sport University, Cologne (Co-Adv.)
Judith Lehmann	Dipl. Thesis (graduated summer 11), German Sport University, Cologne (Co-Adv.)
Jasmin Tabari	Dipl. Thesis (graduated spring 11), German Sport University, Cologne (Co-Adv.)
Kai Vogel	Dipl. Thesis (graduated fall 10), German Sport University, Cologne (Co-Adv.)
Sven Brückmann	Dipl. Thesis (graduated spring 10), German Sport University, Cologne (Co-Adv.)

UNDERGRADUATE SUPERVISION

Rees Romero	B.Sc. Honor's thesis student (Fall 2020 - present), LSU, Baton Rouge (Advisor)
Jessica Laurent	B.Sc. Honor's thesis student (Fall 2020 - present), LSU (Committee member)
Elis Pryse	B.Sc. Independent research study, KIN 4900 (Fall 2021), LSU (Advisor)
Austin Schexsneider	B.Sc. Independent research study, KIN 4900 (Fall 2021), LSU (Advisor)
Michelle O'Neil	B.Sc. Honor's thesis student (Fall 2020 - present), LSU (Advisor)
Brandon Phillips	B.Sc. LSU Discover Undergraduate Research grant student (Fall 2019), LSU (Advisor)
Abigail Caffey	B.Sc. LSU Discover Undergraduate Research grant student (Spring and Summer 2019), LSU (Advisor)
Brandon Phillips	B.Sc. Independent research study, KIN 4900 (Spring 2019), LSU (Advisor)
Lauren Bagneris	B.Sc. Honors thesis student (graduated Spring20), LSU, Baton Rouge (Committee Member)
Brandon Phillips	B.Sc. CHSE Distinguished Scholars Research student (Fall 2018), LSU (Advisor)
Briasha Jones	B.Sc. Honors thesis student (graduated Spring20), LSU (Advisor)
Logan Williams	B.Sc. CHSE Distinguished Scholars Research student (Fall2017), LSU (Advisor)
DeJa Vercher	B.Sc. CHSE Distinguished Scholars Research student (Fall 2017), LSU (Advisor)
Jaxon Adkins	B.Sc. President's Future Leaders in Research (PFLR) program student (Fall 2017-2019), LSU (Advisor)

Irene Brooksher	B.Sc. Independent research study, KIN 4900 (Fall 2017), LSU (Advisor)
Constance Stokes	B.Sc. Independent research study, KIN 4900 (Fall 2017), LSU (Advisor)
Nadia Wilson	B.Sc. Independent research study, KIN 4900 (Fall 2017), LSU (Advisor)
Briasha Jones	B.Sc. Initiative for maximizing student development (IMSD) student (summer 2017-2019), LSU (Advisor)
Jessica Unsand	B.Sc. Initiative for maximizing student development (IMSD) student (summer 2017-2018), LSU (Advisor)
Spencer Williams	B.Sc. Independent research study (winter term 2015), York University, Toronto
Andrea Cavaliere	B.Sc. Independent research study (winter term 2015), York University, (Co-Advisor)
Alice Van Wijngaarden	B.Sc. Independent research study (winter term 2014), York University, (Co-Advisor)
Amelia Perri	B.Sc. Independent research study (fall term 2014), York University, (Co-Advisor)
Sebastian Dern	B.Sc. Thesis (graduated fall 2011), German Sport University Cologne (Co-Advisor)

FURTHER SCIENCE-RELATED AND PROFESSIONAL EXPERIENCE

2006 - 2014	Scientific consultant and working/safety diver for the European Space Agency (ESA) extra vehicular activity (EVA) astronaut training program at the Neutral Buoyancy Facility (NBF) at the European Astronaut Centre (EAC), Cologne, Germany
2006 - 2012	Freelance worker for exercise performance diagnostics in elite team sports (Soccer 1. Bundesliga, 3. Liga, Field Hockey National Team), Mücke & Widenmayr GbR.
2010 - 2012	Freelance worker for exercise performance diagnostics in elite team sports (Soccer 1. Bundesliga), Fokus:Diagnostik.
2013 - 2014	Operator of the 23 rd and 24 th German Aerospace Center (DLR) and 59 th European Space Agency (ESA) parabolic flight campaign of the Institute of Physiology and Anatomy, German Sport University Cologne in Bordeaux, France. Research project: "The operation of control devices during parabolic flights: Influence of weightlessness, stress and motivation" (DLR grant 50WB1224)
2010 - 2011	Operator of the 16 th and 18 th German Aerospace Center (DLR) parabolic flight campaign of the Institute of Physiology and Anatomy, German Sport University Cologne in Bordeaux, France. Research project "Human fine motor skills in weightlessness: comparison of a laboratory and everyday task". (DLR grant 50WB0825)

MEDIA APPEARANCE (selected examples)

Feb 2021	Internet article, brproud, Baton Rouge News: 'Hi-Def Valley: LSU Grad Students Make Tiger Stadium a VR Training Tool'. https://www.brproud.com/news/local-news/hi-def-valley-lsu-grad-students-make-tiger-stadium-a-vr-training-tool/
April 2019	Internet article, The Advocate, Baton Rouge News: 'LSU Discover Scholar researches how concussions affect young adults'. https://www.theadvocate.com/baton_rouge/news/communities/mid_city/article_28cb4b28-5d41-11e9-a3b6-abe0f7f5ab21.html

- April 2019 Press release, Louisiana State University, Media Relations: 'LSU Discover Scholar Researching the Effects of Concussions on Young Adults'. <https://www.lsu.edu/mediacenter/news/2019/04/08abbycaffey.php>
- April 2019 Internet article, Science Daily, Science News: 'Impact of concussions reduced in children with more years of sport experience'. <https://www.sciencedaily.com/releases/2019/04/190404104401.htm>
- April 2019 Press release, York University Media Relations: 'Study suggests impact of concussions reduced in children with more years of sport experience'. <http://news.yorku.ca/2019/04/04/study-suggests-impact-of-concussions-reduced-in-children-with-more-years-of-sport-experience/>
- May 2016 Internet article, York University yFile daily news: 'York U study reports prolonged concussion recovery in youth'. <http://yfile.news.yorku.ca/2016/05/16/york-u-study-reports-prolonged-concussion-recovery-in-youth/>
- May 2016 Internet article, CTV News: 'Youth face longer concussion recovery time: study'. <http://www.ctvnews.ca/health/youth-face-longer-concussion-recovery-time-study-1.2904674>
- October 2014 Internet article, BBC future, written by David Robson: Why astronauts get 'space stupids': <http://www.bbc.com/future/story/20141007-why-astronauts-get-space-stupid>
- March 2014 Television report about parabolic flights experiments, science magazine TM Wissen, part 2 'Nervenstaerke beweisen: Forschung in der Schwerelosigkeit': <https://vimeo.com/93359460>
- March 2014 Television report about parabolic flights experiments, science magazine TM Wissen, part 1 'Alles in der Schweben: Forschung in der Schwerelosigkeit': <https://vimeo.com/137834780>
- Aug 2013 Press release, conference poster award, German Sport University Cologne, 'Auszeichnung fuer Marc Dalecki': <http://www.dshs-koeln.de/aktuelles/meldungen-pressemitteilungen/detail/meldung/auszeichnung-fuer-marc-dalecki/>
- Mai 2013 Newspaper article in the daily newspaper 'Die Glocke', written by Knut Reimann: 'Oelder forscht fuer Weltraummissionen': <http://www.dieglocke.de/lokalnachrichten/kreiswarendorf/oelde/Oelder-forscht-fuer-Weltraummissionen-ef93b24d-7627-4670-a9ca-a5fbbc043c01-ds>
- Mai 2012 Movie for the Koelner Wissenschaftsrunde reporting about the science location Cologne: <http://vimeo.com/64535300>
- Mai 2011 Radio live interview, Radio Koeln. Archive internet article: <http://www.radiokoeln.de/koeln/rk/592689/news/5709>
- Nov 2010 Internet article, IDW Informationsdienst Wissenschaft, press release from the German Sport University Cologne, written by Sabine Maas: 'Schwerelose Experimente Sporthochschule bei 16 DLR Parabelflugkampagne im Einsatz': <http://www.idw-online.de/de/news398760>

MEMBERSHIPS

2021 - Present	Society for the Neural Control of Movement
2018 - Present	North American Society for the Psychology of Sport and Physical Activity
2017 - Present	Board Member, Faculty Club, Louisiana State University
2014 - 2016	Canadian Association for Neuroscience
2012 - Present	Society for Neuroscience
2009 - Present	Chair Member, CMAS diving association VEST (Verband Europaeischer Sporttaucher)