

**Milica G. McDowell, MSPT, DPT, ACSM-HFS
CV**

Dr Milica McDowell
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Education

Idaho State University, 2006

Pocatello, Idaho

Degree: Doctor of Physical Therapy

University of Colorado Health Sciences Center, 2003

Denver, Colorado

Degree: Master of Science, Physical Therapy

Montana State University, 2000

Bozeman, Montana

Degree: Bachelor of Science, Exercise Physiology

Montana State University, 2000

Bozeman, Montana

Degree: Bachelor of Science, Health Promotion

Professional Experience

Clearwater Therapeutics Physical Therapy, Bozeman, MT, Founder, 2003-Present.

Bluebird Medical Supply Company, Bozeman, MT, Founder, 2012-Present.

4cSports Injury Analytics, Founder, Chief Medical Officer, Bozeman, MT, 2012-Present.

Montana State University, College of Education, Health and Human Development, NTT-Instructor, Bozeman, MT, 2013-Present.

Milica McDowell Educational Consulting, Bozeman, MT, Principal, 2015-Present

Epic Athletics & Performance, Bozeman, MT, Founder, 2016-Present

Professional Licensure

State of California Physical Therapy License #28532 August 2003-August 2004

State of Montana Physical Therapy License #1861, August 2004-Present

State of Washington Physical Therapy License #60066565, January 2008-Present

State of Colorado Physical Therapy License #10942 August 2010-Present

Continuing Professional Development

Cross Country Education, Continuing Medical Education Instructor, 2015-Present

RockTape International, Educational Consultant and Content Write, 2015-Present.

American College of Sports Medicine, Health Fitness Specialist, Certified, 2013.

Sports Performance Advisor, Montana Multisport Club, 2013-Present.

Work-Well Systems, FCE Certified Provider, 2012-Present.

Montana State University-Bozeman, Health and Human Development Faculty Pool Member, 2012-Present.

ImPACT Neuro-Cognitive Concussion Testing Certified Provider, 2012-Present.

American Physical Therapy Association, Member 2005-2008, 2012, 2013.

Montana Chapter of the American Physical Therapy Association, Member 2005-2008, 2012.

Private Practice Section of the APTA, Member 2012.

National Athletic Trainers' Association Member, 2012-Present.

Performance Dynamics Inc, ASTYM Certified Provider, 2010-2015.

Ergonomics Consultant to Blackhawk/ATK Incorporated, 2009-2015.

Ongoing Clinical Research

*In Process: Use of portable marker less motion capture systems in Division I college athletics and their effectiveness in prediction of likelihood to develop athletic injuries. Principal Investigator. 4cSports Injury Analytics, Bozeman, MT 2012-Present.

*In Process: Assessment of concussion during in-season lacrosse activities in a Division I club lacrosse program. Principal Investigator. 4cSports Injury Analytics, Bozeman, MT 2015-Present.

*In Process: Assessment of pre-season baseline and orthopedic injury risk during basketball activities in a Division I basketball program. Principal Investigator. 4cSports Injury Analytics, Bozeman, MT 2014-Present.

Principal Investigator, Clinical Implications in the Adolescent Female Post-ACL Reconstruction, Idaho State University, Kasiska College of Health Professions, Pocatello, ID, 2006.

And 2 older

Professional and University Course Taught

1. Rocktape Inc, Pediatrics Kinesiology Taping Training, 6 credit hours.
2. Rocktape Inc, Geriatrics Kinesiology Taping Training, 6 hours.
3. Rocktape Inc, FMT Basic Kinesiology Taping, 8 hours.
4. Rocktape Inc, FMT Performance Kinesiology Taping, 8 hours.
5. Rocktape Inc, FMT Pods Training, 6 hours.
6. Rocktape Inc, FMT Floss Training, 6 hours.
7. Montana State University-Bozeman, Kinesiology 410: Advanced Strength and Conditioning, Co-Instructor, Spring Semester, 3 Credit Hours, Bozeman, MT, 2018.
8. Montana State University-Bozeman, Kinesiology 322: Anatomical Kinesiology, Instructor, Spring Semester, 3 Credit Hours, Bozeman, MT, 2018.
9. Montana State University-Bozeman, Kinesiology 270: Exercise Programming for Older Adults, Instructor, Spring Semester, 3 Credit Hours, Bozeman, MT, 2017, 2019.
10. Montana State University-Bozeman, Kinesiology 105: Foundations of Exercise Science, Instructor, Fall Semester, 3 Credit Hours, Bozeman, MT, 2016, 2017, 2018, 2019.
11. Montana State University-Bozeman, Kinesiology 322: Anatomical Kinesiology, Instructor, Fall Semester, 3 Credit Hours, Bozeman, MT, 2016.
12. Montana State University-Bozeman, Kinesiology 322: Anatomical Kinesiology, Instructor, Fall Semester, 3 Credit Hours, Bozeman, MT, 2015.
13. Montana State University-Bozeman, Kinesiology 325: Biomechanics, Instructor, Fall Semester, 5 Credit Hours, Bozeman, MT, 2015.
14. Montana State University-Bozeman, Kinesiology 105: Foundations of Exercise Science, Instructor, Spring Semester, 3 Credit Hours, Bozeman, MT, 2015.
15. Montana State University-Bozeman, Kinesiology 270: Exercise Programming for Older Adults, Spring Semester, 3 Credit Hours, Bozeman, MT, 2015.
16. Montana State University-Bozeman, Kinesiology 105: Foundations of Exercise Science, Instructor, Fall Semester, 3 Credit Hours, Bozeman, MT, 2014.
17. Montana State University-Bozeman, Kinesiology 105: Foundations of Exercise Science, Instructor, Spring Semester, 3 Credit Hours, Bozeman, MT, 2014.
18. "Use of Evidence in Pre-Participation Screening at the NCAA Division I Level", Primary Lecturer, Big East Athletic Conference Sports Medicine Meeting, 3 hours, Tampa, FL, 2014.
19. "Research Methods and Pre-Season Physicals: What is Your Physical Missing?", Primary Lecturer, American Athletic Conference Sports Medicine Meeting, 3 hours, Tampa, FL, 2014.
20. "Use of Markerless Motion Capture Techniques for Injury Prediction", Primary Lecturer, NATA National Convention, Pre-Conference Meeting, 2 hours, Indianapolis, IN, 2014.
21. "Incorporating Evidence in Your Pre-Season Physicals", Primary Lecturer, Big Sky Athletic Training and Sports Medicine Conference, 1 hour, Big Sky, MT, 2014.
22. And several older dating back to 1998...

Continuing Professional Education Courses Completed

1. Over 150 courses completed as of January 2019, full list available upon request.

Grant and Funding Activity

1. Montana State University Bozeman, HHP Faculty Mini-Grants, "Pick their Brains Program: Community Involvement for Undergraduate Students", \$5500, Awarded 2016, Role: Principal Investigator.
2. Montana State University Bozeman, Faculty Excellence Grant, "Implementation of a Flipped Classroom Technique in a Large Lecture Format Class", \$1500, Awarded 2015, Role: Principal Investigator.
3. Montana State University Bozeman, Undergraduate Scholars Program: Functional Fitness Levels of Community-Dwelling Older Adults. \$1500; Awarded 1999-2000. Role: Co-Investigator

Honors and Awards

Nominee, Teaching Innovation Award, Montana State University-Bozeman, Bozeman, MT, Fall 2014.

Service

Expanding Your Horizons, Women in Sciences Program, Primary Lecturer, Bozeman, MT 2006-Present.
Montana State University-Bozeman, Lacrosse Club, Sports Medicine Provider, Bozeman, MT, 2013-Present.

Montana State University-Bozeman Pre-Physical Therapy Internship Provider, Bozeman, MT, 2011-Present.
Treasure State Triathlon, Bozeman Tritons Triathlon, Medical Volunteer, Bozeman, MT, 2011-Present.
Rut Run, Medical Team Volunteer, Big Sky, MT 2013.
Arizona Ironman Triathlon, Medical Team Volunteer, Phoenix, AZ, 2013.
X-Terra Triathlon, Big Sky Endurance Sports, Medical Volunteer, Bozeman, MT, 2012.
Montana State University Exercise Science Club Speaker, Bozeman, MT, 2011.
American Medical Response Ambulance, In-Service Provider, Bozeman, MT, 2011.
Montana Conservation Corps, In-Service Provider, Bozeman, MT, 2011.
Special Olympics of Montana, Ski Racing Program, Big Sky, MT, 2010-2011.
Special Olympics of Montana, Fitness Screening, Bozeman, MT, 2006-2008, 2010-2011.
Mt. Ellis Fire Department, Injury and Risk-Prevention, Bozeman, MT, 2010.
Ophir School Interim High School Fundraising, Big Sky, MT, 2007-2008.
Big Sky Ski Education Foundation, Pre-Season Injury Assessments, Big Sky, MT, 2006-2008.
Coeur d'Alene Ironman Triathlon, Medical Team Volunteer, Coeur d'Alene, ID, 2006-2007, 2013.
Junior League of Great Falls, Great Falls, MT, 2004-2006.
Special Olympics of Montana, Medical Screening, Great Falls, MT, 2004-2005.
American Red Cross, First Aid and Water Safety Instructor, Bozeman, MT, 1998-2000.
Special Olympics Fitness Screening, Montana State University, Bozeman, MT, 1998-2000.