Department of Ecology & Evolutionary Biology

University of Colorado at Boulder

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EDUCATION

2017 - *present* **University of Colorado at Boulder**, Boulder, CO.

Ph.D. Student, Ecology, Advisors: Drs. Kendi Davies & Brett Melbourne

2011 - 2015 **Williams College**, Williamstown, MA.

B.A., Mathematics, Advisor: Dr. Julie Blackwood

RESEARCH EXPERIENCE

Summer 2014 **Independent Study**: Medicinal Plants & Ethnobotany in Peru Citizen Science Project: Amazon Rainforest Workshop. PI: Dr. Meg Lowman

Winter 2013-14 **Independent Study**: Tardigrades of the Berkshires (Williams College) Advised by Prof. Joan Edwards

Summer 2013 **NSF-REU:** Tardigrade Research in the Canopy (Baker University) NSF Award #1156550, PIs: Drs. William Miller & Meg Lowman

HONORS, AWARDS, & SCHOLARSHIPS

2018 UGGS Small Group **Grant**, $750

2015 Kate Hogan Women’s Athletic **Award**

2011-15 Williams College Class of 1957 Scholar, Merit **Scholarship**, $62,000

2014 Athletic Conference (NESCAC) All-Sportsmanship Team **Honor**

2014 The Robert G. Wilmers, Jr. 1990 Memorial Student Travel **Fellowship**, $5,000

2011 Athletic Conference (NESCAC) Rookie-of-the-Year **Award**

2011 Richmond Times-Dispatch Scholar-Athlete **Scholarship**, $7,500

2011 AKA Sorority Academic Honor **Scholarship**, $1,000

PUBLICATIONS

1. Haefke, B.J., **Spiers, A.I.**, Miller, W.R., & Lowman, M.D. 2014. Tardigrades of the Canopy: *Doryphoribius elleneddiei* nov. sp. (Eutardigrada, Parachela, Hypsibiidae), a New Species from Eastern Kansas, U.S.A. Transactions of the Kansas Academy of Science.
2. **Spiers, A.I.**, Haefke, B.J., Miller, W.R. & Lowman, M.D. 2013. Tardigrades in the Canopy: *Doryphoribius dawkinsi* Michalczyk and Kaczmarek, 2010 – New records from eastern Kansas, U.S.A. Transactions of the Kansas Academy of Science, 116(3/4):125-128.
3. Haefke, B.J., **Spiers, A.I.**, Miller, W.R., & Lowman, M.D. 2013. Tardigrades in the Canopy: Using Double Rope Techniques to Conduct Sampling Along Vertical Transects. Transactions of the Kansas Academy of Science, 116(3-4):119-124.

TEACHING EXPERIENCE

2017 – *present* **Lab Instructor**, EBIO 2040 Principles of Ecology, University of Colorado at Boulder

2015 **Conference Instructor**, Dept. of Mathematics, Discrete Math, Williams College

2015 **Elementary School Instructor,** Mathematics, Williams College

2013-15 **Peer Tutor**, Dept. of Chemistry, Williams College

2013-15 **Peer Tutor**, Dept. of Mathematics, Williams College

2014-15 **High School Tutor**, Mathematics (AP Calculus AB and Algebra), Williams College

2014 **Grader**, Dept. of Chemistry, Organic Chemistry Part I & II, Williams College

2012 **Elementary School Instructor,** Healthy Lifestyles, Williams College

PRESENTATIONS

10/2014 Senior Mathematics Colloquium (advised by Prof. Julie Blackwood) Presentation: *Predicting the Future: How to Predict Critical Transitions in Ecological Systems*

SERVICE

2017 – *present* **Organizer**, EBIO Non-Academic Career Panel

2018 – *present* **Organizer**, EBIO Spring Symposium

2018 – *present* **Member**, EBIO Evolution Outreach Committee

SKILLS & LANGUAGES

R, MatLab, Java

Microsoft Office

Certified Tree Climber

Geographic Information Systems & Remote Sensing

Fluent in English, Conversational in Spanish, Proficient in American Sign Language

OTHER EXPERIENCE

2016 **Cross Country Coach,** Maggie L Walker Governor’s School, Richmond, VA

2016 **Substitute Teacher**, Maggie L Walker Governor’s School, Richmond, VA

2015-16 **Quality Assurance Analyst**, Epic Health Systems, Madison, WI

2014-15 **Board Member**, Junior Advisor Advisory Board

2011-2015 Williams College Varsity Indoor and Outdoor Track & Field and Cross Country Teams. **Co-Captain** 2014-15. 4x800m school record.

2011-15 **Team Representative**, Student-Athlete Advisory Committee

2013-14 **First Year Advisor**, Junior Advisor Committee

2013-14 **Student Leader**, NCAA Substance Abuse Awareness (APPLE) Committee

2013-14 **Board Member**, Student Math & Statistics Advisory Board

2012-14 **Peer Mentor**, Peer Health Club

2012 **Orientation Leader**, Williams Outdoor Orientation for Life as First Years

2012 **Farm Hand**, Winterberry Organic Farm, Belgrade, ME

2012 **Sports Writer**, The Williams Record

2011-12 **Board Member**, Lehman Community Service Council

REFERENCES

Kendi Davies **Ph.D. co-advisor**

Associate Professor, University of Colorado at Boulder

Brett Melbourne **Ph.D. co-advisor**

Associate Professor, University of Colorado at Boulder

Julie Blackwood **Undergraduate advisor**

Assistant Professor of Mathematics, Williams College