# Amanda Edmiston Schaetzel, Ph.D.

amanda.schaetzel@colorado.edu


## EDUCATION

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|---|---|---|---|
| *2000* | University of Colorado, Boulder, CO | Ph.D. | Environmental, Population, and Organismic Biology; Certification in Neuroscience |
| *1988* | Boston University, Boston, MA | B.A. | Biology |
| *1986* | Kansas State University, Manhattan, KS | | Biochemistry |
| *1985* | University of Tampa, Tampa, FL | | Biology |

## ACADEMIC POSITIONS, TEACHING EXPERIENCE, & RELEVANT POSITIONS

*2021 – Present* **Teaching Assistant Professor**, Integrative Physiology Department (CU Boulder)

- Anatomy Lab, IPHY3415 (prepped in fall 2025, teaching spring 2026)
- Introduction to Human Anatomy, IPHY 3410
    - Modalities
        - Online, Continuing Education, each spring, summer, and fall semesters since 2014
        - Remote and flipped, IPHY Department, co-taught (fall, spring 2020) and taught (fall 2021) flipped, large classes during pandemic
        - In-person, IPHY Department, taught on campus (spring 2022, 2023; fall 2022)
    - Undergraduate Teaching Assistants (UGTAs)
        - Utilized as peer mentors each semester (fall 2020-2024)
- Introduction to Medical Terminology for Future Health Professionals, IPHY 2400
    - Modalities taught
        - Online, Continuing Education, and Main Campus, summer 2021-2025; fall 2021,
        - In-person, IPHY Department, fall 2022- 2024; spring 2023, 2024 (2 sections), 2025
    - Undergraduate Teaching Assistants (UGTAs)
        - Utilized as peer mentors each semester (fall 2022-spring 2026)

- History of Medicine, IPHY 4040
    - Education Abroad Global Seminar taught in London, 2023-2025

- 16-18 students, 3-week intensive; co-taught with Ruth Heisler

**Online Liaison for the IPHY Department**

- Supported instructors with online strategies and online class development
- Helped with the finalization of class development to support CU Complete
- Facilitated course scheduling between instructors and IPHY department

**Service member**

- Volunteered to dissect for Anatomy IPHY 3415 fall 2025, spring 2026
- Member of Faculty Council LGBTQ+ Committee, 2025-present
- Faculty Advisor for the Diabetes Link (CU branch), 2023-present
  - Activities included mentoring student members, helping members secure guest speakers, and developing and running a 5K to fund Type I Diabetes research
- Served on the Academic Technologies and Services Committee of the Boulder Faculty Assembly (2023-present)
- Committee member on the A&S Undergraduate Online Strategy Ad Hoc Working Group (2023)
  - Tasked to develop a robust online presence at CU for undergraduate students
- Faculty Advisor, Pre-Physician Assistant Club, 2026

*2017 – 2020* **In-Class Lecturer,** Health Professions Residential Academic Program and Farrand Residential Academic Program

– University of Colorado, Boulder, CO
  - Human Physiology I (IPHY 3470, in-person)
  - Introduction to Human Anatomy (IPHY 3410, in-person)
  - Nutrition for Health and Performance (IPHY 2420, in-person)

*2014 – 2021* **In-Class** and **Online Lecturer**, Division of Continuing Education and Professional Studies

– University of Colorado, Boulder, CO
  - Introduction to Human Anatomy, IPHY 3410, online
  - Nutrition for Health and Performance IPHY 2420, hybrid format
  - Developed and Lectured, Biology: A Human Approach I and II, EBIO 1030 and 1040, online
  - Advanced Ecology, EBIO 4100, online

*2008 – 2016* **Adjunct Faculty**

– Front Range Community College, Longmont, CO
  - Instructor, Anatomy and Physiology I (BIO 201)
  - Instructor, Basic Anatomy and Physiology, online and face to face (BIO 106)
  - Instructor, Science of Biology (BIO 105)
  - Nominee for Master Teacher Award (2011 & 2012)
  - Online Instructor Certification (Blackboard and D2L)
  - One-on-one tutor (BIO 201, BIO 202, BIO 106, BIO 105, BIO 111) and Walk-in Biology Tutor for all biology classes

- Attendee of Teaching and Learning with Technology Conferences (5th-11th Annual meetings)
- Participant of Teaching with Purpose Academy (2011)
- FRCC Foundation Scholarship Reviewer (2011)

*2015 – 2018* **Author, Reviewer, Consultant**

– Cengage Learning, Inc.
- Reviewer for multiple editions of a non-majors biology text book
- Author and reviewer for online test bank
- Consultant for online platform: MindTap
- Content expert and primary author, reviewer, and consultant for Cerego, online learning tool

*2012* **Online Adjunct Faculty**

– Colorado Community College System, Denver, CO
- Online Instructor, Anatomy and Physiology I (BIO201)

*2003 – 2005* **Associate Faculty, Sciences**

– Boulder College of Massage Therapy, Boulder, CO
- Lead of Human Sciences Department
- Lecturer, Anatomy and Physiology I, II
- Lecturer, Pathophysiology
- Development of curricula for Anatomy and Physiology I, II and Pathology
- Participant in hiring committees
- Interviewer for prospective students
- Lead Research Associate for two studies:
  - Effects of Massage on Carpal Tunnel Symptoms and Recovery
  - Recovery Following the Bolder Boulder: the Effects of Massage
    - Responsibilities for both included: study design, recruitment, data acquisition, analysis, and manuscript preparation

*2002* **Adjunct Faculty**

– Front Range Community College, Longmont, CO
- Instructor, Basic Anatomy and Physiology (BIO 106)

*2000 – 2001* **Lecturer**

– University of Colorado, Boulder, CO
- Biology, A Human Approach I and II (EPOB 1030, 1040, in the classroom)

*1992 – 2000* **Teaching Assistant**

– University of Colorado, Boulder, CO
- Introduction to Human Anatomy (EPOB 3420)
- Cadaver dissection
- Biology, A Human Approach Lab (EPOB 1050)
- General Biology Lab I & II (EPOB 1230, 1240)

## OTHER POSITIONS HELD

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| *2006 – 2008* | **Unit Coordinator, Certified Nurse Aide** – Longmont United Hospital (ICU, Telemetry floors), Longmont, CO |
| *1994* | **Participant in the Neural Systems and Behavior Course** – Marine Biological Laboratories, Woods Hole, MA |
| *1994* | **Member of Departmental Hiring Committee** – Department of Environmental, Population, and Organismic Biology, University of Colorado, Boulder, CO |
| *1992 – 2000* | **Advisor and Mentor, Independent Undergraduate Research Projects** – University of Colorado, Boulder, CO |
| *1992 – 1997* | **Research Assistant to Anne Bekoff, Ph.D.** – Department of Environmental, Population, and Organismic Biology, University of Colorado, Boulder, CO |
| *1990 – 1992* | **Quality Control Technician** – Syntex Chemicals, Inc., Boulder, CO |
| *1988 – 1989* | **Research Technician** – Joslin Diabetes Center, Boston, MA |
| *1988* | **Research Assistant to Tom Kunz, Ph.D.** – Department of Biology, Boston University, Boston, MA |
| *1987 – 1988* | **Intern – Boston Museum of Science**, Boston, MA<br>• Development and design of exhibits<br>• Training of employees and volunteers (Biological Sciences) |

## CONTINUING EDUCATION

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|---|---|
| *2014 -2025* | Attendee, COLTT (Colorado Learning and Teaching with Technology) Conference, University of Colorado |
| *2022* | Attendee, The Reacting Consortium |
| *2019* | Attendee, Faculty Teaching Excellence Program (FTEP) |
| 2017, 2019 | Attendee, Human Anatomy and Physiology (HAPS) Conferences |
| *2017* | Attendee, Diversity & Inclusion Summit, University of Colorado |
| *2015* | Attendee, USDLA (United States Distance Learning Association) Conference |
| *2008-2014* | 5th – 11th Annual FRCC Teaching and Learning with Technology Conference, Front Range Community College, Boulder County Campus<br>Skills learned:<br>▪ Screencasting<br>▪ Podcast development<br>▪ Animation development<br>▪ Videotaping lectures<br>▪ Online teaching strategies |
| *2010* | Desire2Learn and Blackboard training, Front Range Community College |

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| *2007* | Pharmacology, University of Missouri |
| *2007* | Developmental Psychology, University of Northern Colorado |
| *2007* | Longmont United Hospital CMEs<br>▪ Intro to EKG, Basic EKG<br>▪ Rhythm Strip Interpretation Review (EKG)<br>▪ Psych Skills Labs (Crisis Intervention, Side Effects of Antipsychotic Medication, Boundary Issues, Music Therapy) |
| *2006* | Medical Terminology, Front Range Community College |
| 2005 | Certified Nurse's Aide Course, Front Range Community College |

## HONORS AND AWARDS

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|---|---|
| *2011 & 2012* | Nominee for Master Teacher Award – Front Range Community College |
| *1999* | University Woman's Club Scholarship – University of Colorado |
| *1998* | Nominee for Outstanding Graduate Teaching Assistant – University of Colorado |
| *1998* | Graduate School Travel Grant – Department of Environmental, Population, and Organismic Biology – University of Colorado |
| *1997* | Graduate School Travel Grant – Department of Environmental, Population, and Organismic Biology – University of Colorado |
| *1994* | Departmental Research Grant – Environmental, Population, and Organismic Biology – University of Colorado |
| *1988* | Cum Laude with Distinctions – Boston University |
| *1984* | Dean's List, Full Army ROTC Scholarship, Phi Eta Sigma Honor Society – University of Tampa |

## PRESENTATIONS AT MEETINGS

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| *2004* | *Pain: A Biological Perspective.* American Massage Therapy Association Massage Awareness presentation, Boulder College of Massage Therapy, Boulder, CO |
| *1999* | *What is the role of the neck muscles (complexus and spinalis cervicus) in the hatching of the domestic chick?* Environmental, Population, and Organismic Biology Symposium, Boulder, CO |
| *1998* | *Preventing domestic chicks from hatching: A kinematic analysis of effects on post-embryonic walking.* The Fifth International Congress of Neuroethology, LaJolla, CA |
| *1997* | *What is the role of neck muscles (complexus and spinalis cervicus) in the hatching of the domestic chick?* Society for Neurosciences, New Orleans, LA |

*1997* *A neuroethological look at hatching: The role of the "hatching muscle" in the hatching of the domestic chick.* Rocky Mountain Regional Neuroscience Group Meeting, Denver, CO

## PUBLICATIONS

Moraska, A., Chandler, C., Edmiston Schaetzel, A., Franklin, G. Calenda, EL, and Enebo, B. Comparison of a targeted and general massage protocol on strength, function, and symptoms associated with carpal tunnel syndrome: a randomized pilot study. *J Alt. Comp. Med.* **14** (3): 259-267.

Edmiston, A.S., Gallager, A.W., Fisher, S., and Bekoff, A. (1998). Preventing domestic chicks from hatching: A kinematic analysis of effects on post-embryonic walking. *Fifth Int. Cong. Neuroethol.* **5**: 274.

Edmiston, A.S., Hernandez, T.D., and Bekoff, A. (1997). What is the role of neck muscles (complexus and spinalis cervicus) in the hatching of the domestic chick? *Soc. Neurosci. Abstr.* **23**: 2136.

## MEMBERSHIPS

*2017- 2019* Human Anatomy and Physiology Society (HAPS)

*2016* Textbook and Academic Authors Association (TAA)

*2015* United States Distance Learning Association (USDLA)