

**David E. Barney, M.S.**

Curriculum Vitae

e: deb17c@my.fsu.edu

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## **CURRENT POSITION**

2019-            Doctoral Student  
                  Nutritional Physiology Lab  
                  **Florida State University**  
                  Department of Nutrition, Food, and Exercise Sciences  
                  Tallahassee, FL  
                  Mentor: Stephen R. Hennigar, Ph.D.

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## **EDUCATION**

2017-2019    **Florida State University**  
                  Department of Nutrition, Food, & Exercise Sciences  
                  Tallahassee, FL  
                  M.S. in Exercise Physiology

2012-2017    **The College of William & Mary**  
                  Williamsburg, VA  
                  B.S. in Kinesiology, Health Sciences Concentration  
                  B.S. in Biology

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## **RESEARCH**

### Current Interests

- Dietary iron absorption and endurance performance
- Micronutrient metabolism
- Applied human performance research

### Published editorials

**David E. Barney**, Cassandra I. Olsen, Kenneth H. Brown, and Stephen R. Hennigar. An organic matrix to improve bioavailability and sensory properties of micronutrient fortificants (2020). *Journal of Nutrition*, nxaa084, <https://doi.org/10.1093/jn/nxaa84>

### Abstracts in press

**David E. Barney**, James R. Ippolito, Claire E. Berryman, and Stephen R. Hennigar. Plasma hepcidin increases with exercise in male, but not female, endurance-trained athletes with low iron stores (2020). *Current Developments in Nutrition*. In press.

James R. Ippolito, **David E. Barney**, Prashant Singh, and Stephen R. Hennigar. Oral iron supplementation increases severity of *Salmonella enterica* serovar *Typhimurium* infection (2020). *Current Developments in Nutrition*. In press.

### Oral Presentations

College of Human Sciences Research Showcase, Tallahassee, FL (2020): Plasma hepcidin increases in male, but not female, endurance-trained athletes with low iron stores.

Three-Minute Thesis, Tallahassee, FL (2019): Why does iron status decline with strenuous physical activity?

### Poster Presentations

University of Virginia Astronomy Symposium, Charlottesville, VA (2010): A search for prebiotic molecules in Sagittarius B2 (N) using the Green Bank Telescope

### Previous Research Experience

- Biomechanics and injury susceptibility in women running on a cross-slope surface  
Department of Kinesiology & Health Sciences  
**The College of William & Mary**  
Williamsburg, VA  
PI: Raymond McCoy, Ph.D.
- *In silico* annotation of orthologous genes in *Drosophila elegans*; *in vitro* screening for genes regulating stem cell behavior and gonad morphogenesis in *Drosophila melanogaster* testes  
Department of Biology  
**The College of William & Mary**  
Williamsburg, VA  
PI: Matthew Wawersik, Ph.D.  
*\*as part of the Genomics Education Partnership with Washington University in St. Louis*
- Spectral line identification of organic molecules in the Sagittarius B2 molecular cloud, using data from the Green Bank Telescope (Green Bank, WV)  
**Central Virginia Governor's School for Science & Technology**  
Lynchburg, VA  
*\*in collaboration with the University of Virginia Department of Astronomy*

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## TEACHING & PROFESSIONAL EXPERIENCE

2020-            Instructor of Record

Advanced Exercise Physiology Lab (APK 3110L)  
Lecture Professors: Bradley S. Gordon, Ph.D., Jason Williams, Ed.D., CSCS

2018- Graduate Assistant Manager  
Men's Cross Country & Track  
**Florida State University**  
Tallahassee, FL

2018 Coaching Internship  
**High Performance West**  
Portland, OR  
Head Coach: Jonathan Marcus

2015 Volunteer Internship  
**Peak Physical Therapy**  
Williamsburg, VA  
Sasha Digges, DPT

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## MEMBERSHIP & SERVICE

### Membership

- American Society for Nutrition (ASN)
- ASN Sports Nutrition & Human Performance Research Interest Section
- ASN Vitamins & Minerals Research Interest Section
- USA Track & Field

### Service

- Camp Counselor – *Seminole Trails Cross Country Camp*, Tallahassee, FL, 2019  
*\*held by NCAA Champion Coach Bob Braman*
- Camp Counselor – *Central Wisconsin Cross Country Camp*, Stevens Point, WI, 2018  
*\*held by former Nike athlete and American record holder Chris Solinsky*

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## HONORS & AWARDS

### Assistantships, Scholarships, & Funding

- Florida State University Research Assistantship, 2019-2020
- Florida State University Teaching Assistantship, 2020
- Ava D. Rodgers Endowed Scholarship, 2019
- Helen Cate Memorial Scholarship, 2019
- Florida State University Career Center Internship Fund, 2018

### Recognition

- American Kinesiology Association Master's Student Scholar Award, 2019
  - USA Track & Field Indoor National Championship Qualifier – 2-mile, 2019
  - Golden Torch Award for Highest GPA on the FSU Men's Cross Country Team, 2018
  - USTFCCCA All-Academic Team, 2017, 2018
  - NCAA South Region All-Region in Cross Country, 2017
  - ACC All-Conference in Cross Country, 2017
  - ACC Student-Athlete Honor Roll, 2018
  - President's Award for Sportsmanship, Citizenship, & Leadership – W&M Cross Country, 2015, 2017
  - 3x IC4A All-East Honors in Track & Field, 2014, 2017
  - 5x CAA All-Conference Honors in Cross Country and Track, 2013-2017
  - CAA Student-Athlete Honor Roll, 2012-2017
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*Updated April 6, 2020*