

CURRICULUM VITAE

SCOTT E. FULLER, Ph.D.

Current position

Assistant Professor
University of Louisiana-Lafayette
School of Kinesiology
225 Cajundome Blvd.
Lafayette, LA 70506
(337) 482-5618
scott.fuller@louisiana.edu

Personal contact information

5107 Nicholson Drive
Apt A-34
Baton Rouge, LA 70820
Mobile: (337) 244-1463

Education

- 2013 Ph.D., Department of Kinesiology, Louisiana State University, Baton Rouge, LA
Major: Exercise Physiology, Minor: Biological Sciences
Dissertation: "Factors Influencing Glycogen Branching Enzyme Activity in Mouse Liver"
- 2005 M.S., Department of Kinesiology, Louisiana State University, Baton Rouge, LA
Major: Exercise Physiology, Minor: Biological Sciences
Thesis: "Oxygen Uptake Efficiency Slope and Functional Physical Performance in Elderly Adults"
- 1998 M.P.A., Public Administration Institute, E.J. Ourso College of Business Administration, Louisiana State University, Baton Rouge, LA
- 1993 B.A., Department of History, College of Arts and Sciences, Louisiana State University, Baton Rouge, LA

Academic Appointments

- 2016 - present Assistant Professor, Tenure Track. University of Louisiana at Lafayette, School of Kinesiology.
- 2016 – present Adjunct Assistant Professor, LSU – Pennington Biomedical Research Center.
- 2013 - 2016 NIH T32 Postdoctoral Fellow, Adipocyte Biology, LSU—Pennington Biomedical Research Center
- 2015-2016 Adjunct Professor, LSU School of Kinesiology
- 2006-2010 Graduate Assistant, Louisiana State University, Department of Kinesiology, Baton Rouge, LA.

Teaching Experience

University of Louisiana at Lafayette:

- KNES 450 – Exercise Testing and Prescription
- KNES 504 – Advanced Exercise Physiology

LSU Department of Kinesiology:

- Exercise Physiology (KIN 3515) Fall 2009 – Spring 2010, Summer 2011, Spring 2015

Peer-Reviewed Publications

1. Wicks, S.E., Vandanmagsar, B., Haynie, K.R., **Fuller, S.E.**, Warfel, J.D., Stephens, J.M., Wang, M., Han, X., Zhang, J., Noland, R.C., Mynatt, R.L. (2015). Impaired mitochondrial fat oxidation induces adaptive remodeling of muscle metabolism. *Proceedings of the National Academy of Sciences of the USA* 112, E3300-3309. PMID: PMC4485116.
2. **Fuller, S.**, and Stephens, J.M. (2015). Diosgenin, 4-hydroxyisoleucine, and fiber from fenugreek: mechanisms of actions and potential effects on metabolic syndrome. *Advances in Nutrition* 6, 189-197. PMID: PMC4352177.
3. Richard, A.J., **Fuller, S.**, Fedorcenco, V., Beyl, R., Burriss, T.P., Mynatt, R., Ribnicky, D.M., and Stephens, J.M. (2014). *Artemisia scoparia* enhances adipocyte development and endocrine function in vitro and enhances insulin action in vivo. *PLOS One* 9, e98897. PMID: PMC4051605.
4. **Fuller, S.**, Richard, A.J., Ribnicky, D.M., Beyl, R., Mynatt, R., and Stephens, J.M. (2014). St. John's Wort Has Metabolically Favorable Effects on Adipocytes In Vivo. *Evidence-Based Complementary and Alternative Medicine: eCAM* 2014, 862575. PMID: PMC4054923.

Manuscripts in review:

Davis, G.R., **Fuller, S.**, Stephens, J.M., and Nelson, A.G. The Effect of Altered Substrate Metabolism and Exercise upon Plasma Adiponectin Levels. *Research Quarterly for Exercise and Sport*.

Poster Presentations and Conference Abstracts

1. **Fuller, S.E.**, Collier, S., Batdorf, H., Simon, J., Scott, M., and Noland, R.C. Characterization of differential metabolic responses to various treadmill exercise protocols in mice. Poster presentation, APS Integrative Biology of Exercise VII, Phoenix, AZ. November 2, 2016.

2. **Fuller, S.E.**, Simon, J., Batdorf, H.M., Worsham, E.A., Brown, J.M., Baes, M., Burke, S.J., Collier, J., and Noland, R.C. Quercetin-enriched red onion extract modulation of peroxisomes in skeletal muscle. Presented at the NIH Botanical Dietary Research Center Director's Meeting. Bethesda, MD. April 28, 2016.
3. **Fuller SE**, Worsham EA, Simon J, Gettys TW, Mynatt RL, and Noland RC. Energy Sensing Pathways Differentially Regulate Peroxisomes in Skeletal muscle vs. Liver. Experimental Biology Annual Conference. San Diego, 2016.
4. Noland RC, Worsham EA, Simon J, **Fuller SE**, Baes M, Ghosh S, Mynatt RL. Peroxisomes in skeletal muscle protect against lipid-induced insulin resistance. Experimental Biology Annual Conference. San Diego, 2016.
5. **Fuller, SE**, Boudreau, A., and Stephens, JM. Groundsel Bush (*Baccharis halimifolia*) Enhances Adipocyte Development and Attenuates Inflammation in Adipocytes *in vitro*. Experimental Biology Annual Conference. San Diego, 2016.
6. Davis, GR, **Fuller, S**, Daray, L, Nelson, AG, Stephens, JM, Datri, J, and Stewart, L. The effects of marathon training versus combined training on plasma c-reactive protein and adiponectin in healthy young females. NSCA National Conference, 2015.
7. Richard, A.J., **Fuller, S.**, Fedorcenco, V., Beyl, R., Mynatt, R., Ribnicky, D.M., and Stephens, J.M. *Artemisia scoparia* enhances adipocyte development and endocrine function in vitro and enhances insulin action in vivo. *Faseb Journal*. 2014; 28.
8. **Fuller, S**, Richard, AJ, Ribnicky, D, Mynatt, RL, and Stephens, JM. The modulation of adipose tissue insulin sensitivity by St. John's Wort *in vivo*. NIH-NCCAM Botanical Research Centers Annual Meeting, 2013.
9. **Fuller S**, Nelson A, Stewart L, Henagan T, and Waldrop G. Effect of high- and low-carbohydrate diets on glycogen branching enzyme activity in the liver of C57BL/6J mice. *Faseb Journal*. 2013;27.

Research Support

Current:

NIH – NCCIH Botanical Research Center Pilot Grant (Noland, PI) 1/2016 – 1/2017
Title: “Quercetin-Enriched Red Onion Extract Modulation of Peroxisomes in Skeletal Muscle”
 This project will investigate whether dietary supplementation with red onion extract enriched in quercetin mitigates high fat diet-induced insulin resistance via induction of peroxisomal content and function.

Award: \$35,000

Role: Co-Investigator

Completed:

NIH T32 AT004094 (Brantley, PI)

5/01/2015-4/30/2020

Title: Training in Botanical Approaches to Combat Metabolic Syndrome

Role: Postdoctoral Fellow

NIH T32 AT0094-05 (Brantley, PI)

5/01/2010-4/30/2015

Title: Training in Botanical Approaches to Combat Metabolic Syndrome

Role: Postdoctoral Fellow

Professional Organization Memberships

| | |
|--------------|--|
| 2015-present | American Society for Nutrition |
| 2016-present | American Physiological Society |
| 2011-2013 | National Strength and Conditioning Association |

Service

Invited Reviewer:

- *Current Pharmaceutical Biotechnology*
- *Biochimie*
- *American Society for Nutrition. Abstract reviewer for “Mechanisms of Action and Molecular Targets of Dietary Bioactive Components,” Experimental Biology Annual Conference. San Diego, 2016.*
- *Advances in Nutrition*
- *Applied Clinical Research, Clinical Trials and Regulatory Affairs*

Honors and Awards

2016 Travel Award for Invitation as Featured Speaker, Experimental Biology Annual Meeting, San Diego, CA. “Energy Sensing Pathways Differentially Regulate Peroxisomes in Skeletal muscle vs. Liver.” Presented at the “Skeletal Muscle Peroxisomal-Mitochondrial Interactions in Health and Disease” APS Special Topics Session. April 5, 2016.

2013 NIH T32 Ruth L. Kirschstein National Research Service Award (NRSA), LSU—Pennington Biomedical Research Center

2010 LSU Graduate School Travel Award
(For poster presentation at the Experimental Biology Annual Meeting)

Professional Development

Grant Preparation Training:

Institute for Strategic Funding Development Grant Preparation Workshop. Tulane University, New Orleans, LA, August 24-25, 2015

“Climate Changes at NIH and Application Strategies.” Presented by Dr. Israel Goldberg of Health Research Associates. Pennington Biomedical Research Center. Baton Rouge, LA April 22, 2015

“Grantsmanship Strategy.” Presented by Dr. Israel Goldberg of Health Research Associates Pennington Biomedical Research Center. Baton Rouge, LA February 26, 2014

Continuing Education:

| | |
|--------------|---|
| 2013-present | NIH-mandated training in Responsible Conduct of Research |
| 2013-2014 | PBRC Molecular and Clinical Nutrition Courses I and II (HUEC 7004 and 7005) |