

KELSEY OLSON

6400 Perkins Road, Baton Rouge, LA 70808 | Kelsey.Olson@pbrc.edu

EDUCATION

Louisiana State University, Baton Rouge, LA

B.A. in Biological Sciences with Thesis Honors

GPA: 4.2

May 2019

RELATED EXPERIENCE

Pennington Biomedical Research Center

Pediatric Research Specialist

- Preparing for and conducting maternal and infant clinical study visits
- Preparing study materials and charts
- Organizing recruitment efforts at local OBGYN offices
- Regulatory updates and tracking with the Pennington IRB for applicable studies

May 2019 – Present

Pennington Biomedical Research Center

Student Worker

- Recruiting study participants from local OBGYN offices
- Conducting maternal study visits and assisting in pediatric visits
- Placenta collection and processing for study participants
- Performing daily clinic duties including chart set up, data collection and processing, regulatory updates, and updating lab and regulatory websites

August 2015 – May 2019

Louisiana State University School of Vet Medicine

Undergraduate Researcher

- Tracking daily food intake and weight of laboratory mice
- Laboratory animal care, husbandry, and experiments
- Scientific writing of manuscripts and reviews
- Laboratory duties including performing RNA extractions, ELISA assays, PCR, and Western Blots

May 2017 – May 2019

Louisiana State University Center for Academic Success

Supplemental Instruction Leader for BIOL 1202 and BIOL 4087

- Holding weekly supplemental instruction sessions for students
- Attending all mandatory training for each semester
- Attending my assigned classes, acting as a model student
- Meeting with SI Faculty weekly to develop plans to best assist students during sessions

August 2017 – May 2019

Peer Mentor for the Biology Cohort

- Developed and lead monthly professional development seminars for supplemental instructors working within the Biology classes

August 2018 – May 2019

- Mentoring of new leaders
- Role model proper conflict resolution, problem-solving skills and professional conduct
- Assist in growth and development of program
- Working collaboratively with fellow cohort leadership as well as supervisory staff
- Peer observations

TRAININGS

1. Blood Borne Pathogen training
2. CITI compliances
3. HIPAA training
4. Ethics Training
5. TitleIX/sexual harassment training
6. CBC wet lab and compliance training
7. Cultural Diversity training

MEMBERSHIPS

LSU Tri Beta, Eta Alpha Chapter	Fall 2016 –Spring 2018
<ul style="list-style-type: none"> • LSU Biological Science Fraternity 	
Global Brigades Medical/Dental Chapter	Fall 2016 – Fall 2017
<ul style="list-style-type: none"> • Volunteer organization collecting supplies and money to sponsor brigades in under resourced countries 	
American Physiological Society	Fall 2017 – Present

PEER REVIEWED ABSTRACTS

1. **Kelsey Olson**, Dorien Reijnders , Chin Chi Liu, Vivane Gomes, Leanne Marie Redma, Jennifer Liford Sones. (2019) Reduction of Maternal Adiposity Attenuates Leptin Expression in the Preeclamptic-like BPH/5 Mouse. FASEB Journal (in press).
2. Jennifer L Sones, Dorien Reijnders, **Kelsey Olson**, Leanne Redman. White Adipose Tissue in the Preeclamptic-Like BPH/5 Mouse Has a Unique Inflammatory Molecular Signature During Early Pregnancy (vol 72, supp. 1). Hypertension.
3. **Kelsey Olson**, Dorien Reijnders-Most, Nataki Douglas, Leanne Redman, Jenny Sones. Inflammatory Reproductive White Adipose Tissue Characterizes The Obese Preeclamptic-like BPH/5 Mouse prior to Pregnancy. 2018. The FASEB Journal. (1st ed., vol. 32). FASEB Journal.
4. Dorien Reijnders, **Kelsey Olson**, Leanne Redman, Jennifer Sones. Calorie Restriction In The Preeclamptic-like BPH/5 Mouse Reduces Adipose Tissue Gene Expression of Preeclampsia-Related Inflammatory Genes. 2018. The FASEB Journal. (1st ed., vol. 32). FASEB Journal.

INVITED TALKS

1. Experimental Biology 2019: Reduction of Maternal Adiposity Attenuates Leptin Expression in the Preeclamptic-like BPH/5 Mouse. Orlando, FL
2. Supplemental Instruction Training 2019: Planning the Supplemental Instruction Session. Baton Rouge, LA
3. Experimental Biology 2018: Inflammatory Reproductive White Adipose Tissue Characterizes The Obese Preeclamptic-like BPH/5 Mouse prior to Pregnancy. San Diego, CA
4. Supplemental Instruction Training 2018: How to Hold a Supplemental Instruction Session. Baton Rouge, LA

POSTER PRESENTATIONS (* DENOTES PRESENTING AUTHOR)

1. **Olson KN***, Reijnders D, Liu C, Gomes V, Redman LM, Sones JL. Reduction of Maternal Adiposity Attenuates Leptin Expression in the Preeclamptic-like BPH/5 Mouse. Experimental Biology meeting, Orlando, FL, April. 2019
2. **Olson KN***, Reijnders D, Liu C, Gomes V, Redman LM, Sones JL. Reduction of Maternal Adiposity Attenuates Leptin Expression in the Preeclamptic-like BPH/5 Mouse. LSU Phi Zeta Research Emphasis Day, Baton Rouge, LA, February 2019
3. **Olson KN***, Reijnders-Most D, Douglas N, Redman LM, Sones JL. Inflammatory Reproductive White Adipose Tissue Characterizes The Obese Preeclamptic-like BPH/5 Mouse prior to Pregnancy. Experimental Biology meeting, San Diego, CA, April 2018
4. Reijnders D*, **Olson KN**, Redman LM, Sones J. Calorie Restriction In The Preeclamptic-like BPH/5 Mouse Reduces Adipose Tissue Gene Expression of Preeclampsia-related Inflammatory Genes, 2018 Experimental Biology meeting, San Diego, CA, April 2018
5. **Olson KN***, Reijnders-Most D, Douglas N, Redman LM, Sones JL. Inflammatory Reproductive White Adipose Tissue Characterizes The Obese Preeclamptic-like BPH/5 Mouse prior to Pregnancy. LSU Phi Zeta Research Emphasis Day, Baton Rouge, LA, February 2018
6. Reijnders D*, **Olson KN**, Redman LM, Sones J. Calorie Restriction In The Preeclamptic-like BPH/5 Mouse Reduces Adipose Tissue Gene Expression of Preeclampsia-related Inflammatory Genes, LSU Phi Zeta Research Emphasis Day, Baton Rouge, LA, February 2018

PEER REVIEWED PAPERS

1. **Olson KN**, Redman LM, and Sones JL. Obesity Complements Preeclampsia. *Physiol Genomics*. 2019 Mar 1;51(3):73-76. doi: 10.1152/physiolgenomics.00102.2018. Epub 2019 Feb 4
2. Reijnders D, Liu CC, Xu X, Zhao AM, **Olson KN**, Butler SD, Douglas NC, and Sones JL. Celecoxib restores angiogenic factor expression at the maternal-fetal interface in the BPH/5 mouse model of preeclampsia. *Physiol Genomics*. 2018 May 1;50(5):385-392.
3. Reijnders D, **Olson K**, Liu C, Beckers K, Ghosh S, Redman LM, Sones JL. Dyslipidemia and the role of the adipose tissue in early pregnancy in the BPH/5 mouse model for preeclampsia. (*In Press*)
4. Gilmore LA, Altazan AD, Beyer AG, **Olson KN**, O'Connell AA, Nguyen TH, Beyl RA, and Redman LM. Modifications to infant formula instructions improve accuracy of formula dispensing. (*In preparation*)
5. Sutton EF, Morrison C, Stephens JM, **Olson KN**, Burton J, Herbert RC, Sones JL, and Redman LM. Fibroblast growth factor 21 is a novel signal of nutrient insufficiency in pregnancy. (*Under Review*)

AWARDS/RECOGNITIONS

2019 Barbara A. Horowitz and John M Horowitz Top Ranking Awardee

2019 Barbara A. Horowitz and John M Horowitz Excellence in Undergraduate Research Award

2019 Barbara A. Horwitz and John M. Horowitz Undergraduate Abstract Award
2019 Phi Zeta Research Emphasis Day 3rd place Basic Research student poster competition
2019 Sandra Yancy McGuire Outstanding Supplemental Instructor (SI) Leader Award
2019 TAF Honors Thesis Scholarship
2018 LSU Discover Travel Grant Recipient
2018 LSU Barry Goldwater Scholarship Nominee
2018 Barbara A. Horwitz and John M. Horowitz Undergraduate Abstract Award
LSU President's Honor Roll (Spring 2016, Spring 2017)
Taylor Opportunity Program Honors Award (2015-2019)