

Curriculum Vitae

Last Updated: 09/01/2023

PERSONAL DATA

Name: Lisa Joss-Moore, Ph.D.
Birth Place: Sydney, Australia
Citizenship: United States

EDUCATION

<u>Years</u>	<u>Degree</u>	<u>Institution (Area of Study)</u>
2005 - 2007	Master's	University of Utah (Nutrition) Salt Lake City, UT
1997 - 2004	Postdoctoral Fellow	University of Utah (Biochemistry) Salt Lake City, UT
1994 - 1997	Ph.D.	University of Sydney (Biochemistry) Sydney, NSW, Australia
1990 - 1993	B.S.	University of Sydney (Biochemistry) Sydney, NSW, Australia

CURRENT LICENSES/CERTIFICATIONS

2014 - DEA Certificate (UT)
Present

UNIVERSITY OF UTAH ACADEMIC HISTORY

Pediatrics (Neonatology), 06/01/2007 - Present

07/01/2019 Research Professor
07/01/2013 - 06/30/2019 Research Associate Professor
06/01/2007 - 06/30/2013 Research Assistant Professor

Nutrition and Integrative Physiology, 07/01/2016 - Present

07/01/2016 Assistant Professor (Lecturer)

Nutrition, 07/01/2006 - 06/30/2016

07/01/2006 - 06/30/2016 Assistant Professor (Lecturer)

PROFESSIONAL EXPERIENCE

Full-Time Positions

2019 - Present Research Professor, University of Utah, Salt Lake City, UT
2012 - 2019 Research Associate Professor, University of Utah, Salt Lake City, Utah
2007 - 2012 Research Assistant Professor, University of Utah, Division of Neonatology, Salt Lake City, UT

Part-Time Positions

2006 - Adjunct Faculty, University of Utah, Division of Nutrition, Salt Lake City, UT
Present

Editorial Experience

2022 - Guest Editor: Special Edition Anatomical Record: Breathing at the Interface of Anatomy
Present and Physiology

2021 - Molecular and Cellular Endocrinology Journal
Present

Reviewer Experience

Reviewer for American Journal Physiology - Lung

Reviewer for Anatomical Record

Reviewer for International Journal of Developmental Neuroscience

Reviewer for JAMA Pediatrics

Reviewer for Journal Lipid Research

Reviewer for Journal of Developmental Origins of Health and Disease

Reviewer for Journal of Endocrinology

Reviewer for Journal of Molecular Medicine

Reviewer for Journal of Pediatrics

Reviewer for Obesity

Reviewer for Obstetrics & Gynecology

Reviewer for PPAR Research

Reviewer for Pediatric Research

Reviewer for Reproductive Sciences

SCHOLASTIC HONORS

2018 Department of Nutrition and Integrative Physiology Teacher of the Year

2017 Elected 2019 President - Perinatal Research Society

2016 Department of Pediatrics - Gary C. Schoenwolf Mentorship Award

2015 Faculty of the Year - Division of Nutrition

2009 American Federation for Medical Research Scholar

2009 Ikaria Early Career Investigator Speaker - Perinatal Research Society, 2009

2009 Teacher of the Year Award, Division Nutrition, University of Utah

2007 Carmel Scholar Award

2007 Society for Pediatrics Research Young Investigator Award

ADMINISTRATIVE EXPERIENCE

Administrative Duties

2018 - 2020 Western Society for Pediatric Research Council, Member

2015 - Program Director, Pre-Award Office, Pediatric Research Enterprise

Present

2014 - Chair - Perinatal Research Society Subcommittee for Trainee Education

Present

2014 - 2021 Member - Faculty Appointment, Review, and Advancement Committee
2014 - Present Poster Judge at Annual Medical Student Scholarly Activity Symposium
2013 - Present Neonatal-Perinatal Fellowship Committee
2013 - Present Co-Organizer, Department Pediatrics Research in Progress
2013 - 2015 Perinatal Research Society Council, Member
2010 - 2013 Associate Director for Research, Neonatal – Perinatal Fellowship

Professional Organization & Scientific Activities

2019 - 2022 Member, Society for Reproductive Investigation, Publications Committee
2018 - 2021 Council Member, Western Society for Pediatric Research,
2017 - 2020 President, Perinatal Research Society
2015 - Present Chair, Perinatal Research Society, Subcommittee on Trainee Education
2015 - 2017 Council Member, Perinatal Research Society

Grant Review Committee/Study Section

2021 - Present Ad Hoc Reviewer; NICHDZRG1 EMNR-S Special Emphasis Panel
2018 - Present Ad Hoc Reviewer; NHLBI Molecular Landscape of Lung Aging
2017 - Present Member, Proposal Reviewer, University of Utah Center for Clinical and Translational Science
2017 - Present Reviewer, Primary Children's Hospital Foundation Career Development Awards
2016 - Present Ad Hoc Reviewer: American Heart Association, LUNG 2 study Section.
2013 - Present Ad Hoc Reviewer: NHLBI Special Emphasis Panel
2011 - Present Primary Children's Hospital Foundation Grant Reviewer
2010 - Present Ad Hoc Reviewer, UK Medical Research Council

Symposium/Meeting Chair/Coordinator

2021 - Present PRS NIH-Mead-Johnson Nutrition Training Workshop Director, Perinatal Research Society, Tampa, FL
2021 - 2022 Scientific Advisory Committee Member: Aspen Perinatal Biology Symposium
2021 - Present Organizer Perinatal Biology Session- Western Society for Pediatric Research Meeting, Carmel, CA
2020 - Present PRS NIH-Mead-Johnson Nutrition Training Workshop Director, Perinatal Research Society, Meeting held on zoom
2020 - Present Organizer Perinatal Biology Session- Western Society for Pediatric Research Meeting, Carmel, CA

- 2019 - Present PRS NIH-Mead-Johnson Nutrition Training Workshop Director, Perinatal Research Society, Minneapolis, MN
- 2019 - Present Organizer Perinatal Biology Session- Western Society for Pediatric Research Meeting, Carmel, CA
- 2018 PRS NIH-Abbott Nutrition Training Workshop Co-Leader (with Kurt Albertine, PhD); Perinatal Research Society, Hilton Indian Lakes Resort, Bloomingdale, IL
- 2018 - Present Organizer Perinatal Biology Session- Western Society for Pediatric Research Meeting, Carmel, CA
- 2017 PRS NIH-Abbott Nutrition Training Workshop Co-Leader (with Kurt Albertine, PhD); Perinatal Research Society, Buckhead Resort, Atlanta, GA
- 2016 Workshop "Is Your Manuscript Ready for Peer-Review? Gain Interactive Guidance to Write a Successful Manuscript!", Pediatric Academic Societies, Baltimore, MD
- 2015 PRS NIH-Abbot Nutrition Training Workshop Co-Leader (with Kurt Albertine, PhD); Perinatal Research Society, Denver, CO
- 2015 Guide at American Physiological Society's Workshop for High School Life Science Teachers and Students at 2015 Experimental Biology meeting. Boston, MA.
- 2014 PRS NIH-Abbot Nutrition Training Workshop Co-Leader (with Kurt Albertine, PhD); Perinatal Research Society, Monterey, CA
- 2013 PRS NIH-Abbott Nutrition Training Workshop Co-Leader (with Kurt Albertine PhD), Perinatal Research Society, Hilton Indian Lakes Resort, Bloomingdale, IL L
- 2013 Co-Organizer, Workshop 3676 (with Kurt Albertine, PhD), "Writing a Scientific Manuscript", Pediatric Academic Societies Meeting, Washington, D.C.
- 2012 Workshop "Writing a Scientific Manuscript", Pediatric Academic Societies Meeting, Boston, MA
- 2012 Session Moderator, Neonatology Pulmonary II, Western Society for Pediatric Research, January 26th, 2012, Carmel, CA
- 2011 Workshop Co-Leader, "Writing a Scientific Paper", Pediatric Academic Societies, 2011 Meeting, Denver CO, 2012 Meeting Boston, MA
- 2011 Workshop Co-Leader, "Epigenetic Data and Technique Applied to In Vivo Research: What can you say without irritating your grant reviewers? Pediatric Academic Societies, 2011 Meeting, Denver, CO

UNIVERSITY COMMUNITY ACTIVITIES

University of Utah Health

- 2017 - Present Member, Center for Clinical and Translational Science, KL2 Steering Committee

Department Level

- 2014 - Present Member, Pediatrics, Appointments, Retention, Promotion, & Tenure Committee
- 2012 - Present Organizer & Co-Chair, Pediatrics, Department of Pediatrics Research in Progress Series

- 2011 - Reviewer, Pediatrics, Grant Review Committee, Primary Children's Hospital Foundation
Present (fall and spring yearly)
- 2011 - Workshop Faculty, Pediatrics, NEDARC Grant Writing Workshop, Chicago, IL
Present
- 2011 - Co-Organizer, Pediatrics, Grant Writing Workshop, Primary Children's Hospital
Present Foundation, University of Utah (Deer Valley, UT; fall and spring yearly)

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Physiological Society
Perinatal Research Society
Society for Pediatric Research
Society for Reproductive Investigation
Western Society for Pediatric Research

FUNDING

Active Grants

- 06/01/22 - Uteroplacental Insufficiency Disrupts Placental-Fetal Lipid Regulation and Dynamics
03/31/26
Principal Investigator(s): Lisa Joss-Moore
Burroughs Wellcome Fund
Role: Principal Investigator

Past Grants

- 08/01/14 - K2R2R Award
10/01/15
Principal Investigator(s): Lisa Joss-Moore
Direct Costs: \$50,000 Total Costs: \$50,000
Primary Children's Medical Center Foundation
Role: Principal Investigator
- 02/01/14 - R13: PRS Young Investigator Grants Workshop (HD079163)
01/31/19
Principal Investigator(s): Lisa Joss-Moore
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Role: Co-Principal Investigator
- 01/01/14 - Maternal Environmental Insult and Epigenetic Regulation of Placental Gene Expression
12/31/14
Principal Investigator(s): Lisa Joss-Moore; Gwen A. Latendresse
Direct Costs: \$35,000 Total Costs: \$35,000
University of Utah
Role: Co-Principal Investigator
- 07/01/13 - The Impact of Maternal Depression and SSRI Use on Placental Gene Expression
04/01/14
Principal Investigator(s): Lisa Joss-Moore
Direct Costs: \$10,000 Total Costs: \$10,000
Bioscience Undergraduate Research Program

- Role: Co-Principal Investigator
- 07/01/12 - R03: IUGR induced epigenetic modifications to the PPAR γ gene (DK095970)
06/30/14
- Principal Investigator(s): Lisa Joss-Moore
Direct Costs: \$50,000 Total Costs: \$149,250
National Institute of Diabetes and Digestive and Kidney Diseases
Role: Principal Investigator
- 07/01/12 - NOT-HD-11-022: Maternal-Fetal Medicine Units (MFMU) Network Administrative
06/30/15 Supplement
 Eunice Kennedy Shriver National Institute of Child Health and Human Development
- Role: Mentor
- 09/01/10 - NIH K01 Career Development Award: PPAR γ epigenetics in the Lung
08/31/13
- Principal Investigator(s): Lisa Joss-Moore
Direct Costs: \$293,948 Total Costs: \$317,464
National Institutes of Health
Role: Principal Investigator
- 01/01/09 - PCMC Innovative Research Grant
12/31/11
- Principal Investigator(s): Lisa Joss-Moore
Direct Costs: \$25,000 Total Costs: \$25,000
Primary Children's Medical Center Foundation
Role: Principal Investigator

INDEPENDENT RESEARCH

- 2007 - . Dr Joss-Moore's research focus is the Developmental Origins of Lung Disease.
Present Specifically, Dr Joss-Moore examines the molecular mechanisms driving alveolar formation and how these mechanisms are perturbed by perinatal insults. A major theme is the role of the transcription factor, PPAR γ , in maintaining the epigenetic integrity of the lung. Her studies involve molecular, morphometric and physiologic approaches. The effects of the omega-3 fatty acid, DHA, on PPAR γ in the lung are also being examined. Her studies involve molecular, morphometric and physiologic approaches. Dr Joss-Moore's research is supported by the NIH.

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

- 2019 - Neo Scholarship Series. Instructional program aimed at providing Junior Faculty and
Present Fellows with broad scholarship tools including; grant and manuscript writing, faculty advancement and promotion, and presentation.
- 2007 - 2012 Basic Science Interest Series - This course, designed for Neonatology Fellows, is structured to introduce (1) standard scientific techniques and (2) basic molecular processes. The content includes biochemical processes that every clinician should be familiar with in order to understand likely advances in clinical medicine.

2006 - Present Nutrition Biochemistry (NU6450) A 4 unit biochemistry course aimed at providing postgraduate students with a detailed overview of biochemistry and genetics with a nutrition and exercise physiology emphasis.

Courses Directed

2006 - Present Nutrition Biochemistry (NU6450) Division of Nutrition, University of Utah. Fall Semester Annually

2007 - 2012 Basic Science Interest Series-Division of Neonatology, University of Utah. Year Round.

Course Lectures

2024 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2023 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2023 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2023 PI, NUIP 6450: Nutrition Biochemistry, 15 students, University of Utah, College of Health

2023 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2023 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2023 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2023 PI, NUIP 6970: Thesis Research-Masters, 1 student, University of Utah, College of Health

2022 PI, NUIP 6970: Thesis Research-Masters, 1 student, University of Utah, College of Health

2022 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2022 PI, NUIP 6450: Nutrition Biochemistry, 23 students, University of Utah, College of Health

2022 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2022 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2022 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2022 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2021 PI, NUIP 6450: Nutrition Biochemistry, 42 students, University of Utah, College of Health

2021 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2021 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2021 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2021 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2021 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2021 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2020 PI, NUIP 6450: Nutrition Biochemistry, 34 students, University of Utah, College of Health

2020 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2020 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2020 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2020 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2020 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2020 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2019 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2019 PI, NUIP 6970: Thesis Research-Masters, 0 students, University of Utah, College of Health

2019 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2019 PI, NUIP 6450: Nutrition Biochemistry, 18 students, University of Utah, College of Health

2019 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2019 PI, NUIP 6970: Thesis Research-Masters, 1 student, University of Utah, College of Health

2019 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2018 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2018 PI, NUIP 7970: Dissertation-Doctoral, 0 students, University of Utah, College of Health

2018 PI, NUIP 6450: Nutrition Biochemistry, 17 students, University of Utah, College of Health

2018 PI, NUIP 6970: Thesis Research-Masters, 1 student, University of Utah, College of Health

2018 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2018 PI, NUIP 6970: Thesis Research-Masters, 2 students, University of Utah, College of Health

2017 PI, NUIP 6450: Nutrition Biochemistry, 22 students, University of Utah, College of Health

2017 PI, NUIP 6970: Thesis Research-Masters, 2 students, University of Utah, College of Health

2017 PI, NUIP 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2017 PI, NUIP 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2017 PI, NUIP 6970: Thesis Research-Masters, 3 students, University of Utah, College of Health

2016 PI, NUIP 6450: Nutrition Biochemistry, 16 students, University of Utah, College of Health

2016 PI, NUTR 6980: Faculty Consultation, 0 students, University of Utah, College of Health

2016 PI, NUTR 6970: Thesis Research-Masters, 3 students, University of Utah, College of Health

2016 PI, NUTR 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2016 PI, NUTR 6450, 3 students, University of Utah, College of Health

2016 PI, NUTR 6970, 1 student, University of Utah, College of Health

2015 PI, NUTR 6450: Nutr. Biochemistry, 21 students, University of Utah, College of Health

2015 PI, NUTR 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2015 PI, NUTR 6450: Nutr. Biochemistry, 4 students, University of Utah, College of Health

2014 PI, NUTR 6450: Nutr. Biochemistry, 14 students, University of Utah, College of Health

2014 PI, NUTR 6900: Directed Nutr Research, 0 students, University of Utah, College of Health

2014 PI, NUTR 6450: Nutr. Biochemistry, 0 students, University of Utah, College of Health

2013 PI, NUTR 6450: Nutr. Biochemistry, 19 students, University of Utah, College of Health

2012 PI, NUTR 6450: Nutr. Biochemistry, 20 students, University of Utah, College of Health

Mentoring/Advising

Faculty

2014 - 2017 Advisor/Mentor, Thomas Miller, University of Utah

2013 - 2015 Advisor/Mentor, Jeanette Chin, University of Utah,

Fellow

2020 - Present Advisor/Mentor, Adrienne Cohen, University of Utah

2018 - 2019 Advisor/Mentor, Jenna Whitham, University of Utah

2014 - 2017 Supervisor, Claudia Weinheimer, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2012 - 2014 Supervisor, Isis Trevenzoli, University of Utah, Postdoctoral Fellow
Trainee's Current Career Activities: Faculty at University of Rio de Janeiro, Brazil

2011 - 2012 Advisor/Mentor, Jennifer Zalla, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2010 - 2012 Supervisor, Ben Numpang, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology, Guam

2009 - 2013 Supervisor, Brook Lang, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2008 - 2011 Advisor/Mentor, Alexandra Zabrocki, University of Utah, Neonatology, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2008 - 2010 Supervisor, Nicole Mitchell, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2008 - 2011 Advisor/Mentor, Bridget Burshears, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Group practice in Neonatology

2008 - 2012 Advisor/Mentor, Erin Zinkhan, University of Utah, Neonatology Fellow
Trainee's Current Career Activities: Clinical and Research Neonatologist at University of Utah

Resident

2010 - 2013 Supervisor, Justin Stiers, University of Utah,
Trainee's Current Career Activities: Group practice in Neonatology

2010 - 2011 Supervisor, Melissa Kunkel, University of Utah,

2008 - 2009 Supervisor, Megan Harrison, University of Utah,
Trainee's Current Career Activities: Neonatology Fellowship, MN

2008 - 2010 Supervisor, Brook Lang, University of Utah,
Trainee's Current Career Activities: Group practice in Neonatology

2008 - 2010 Supervisor, Erin Zinkhan, University of Utah,
Trainee's Current Career Activities: Faculty, University of Utah, Division of Neonatology

2006 - 2007 Supervisor, Sandra Lawrynowicz, University of Utah,
Trainee's Current Career Activities: Faculty, Stanford University, Division of Neonatology

Masters

2021 - Present Advisor/Mentor, Sophie Hochhauser, University of Utah

2018 - 2020 Supervisor, Emily Barrett, University of Utah, Nutrition and Integrative Physiology

2017 - 2018 Supervisor, Amy Loverin, University of Utah, Nutrition and Integrative Physiology

2017 - 2018 Supervisor, Claire Sorensen, University of Utah, Nutrition and Integrative Physiology

2016 - 2017 Supervisor, Ashley Pyne, University of Utah, Nutrition and Integrative Physiology
Trainee's Current Career Activities: PhD Student - Nutrition and Integrative Physiology

2016 - 2017 Supervisor, Cheri Bantalin, University of Utah, Nutrition and Integrative Physiology

2015 - 2017 Supervisor, Alyssa Cox, University of Utah, Nutrition and Integrative Physiology

2014 - 2016 Supervisor, Rebecca Moore, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: Current: Sports Dietetic Intern

2013 - 2015 Supervisor, Synneva Hagen-Lillevik, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: PhD Student

2013 - 2014 Supervisor, Emily Riddle, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: PhD Candidate - Cornell University

2012 - 2014 Supervisor, Courtney Hurdman, University of Utah, Nutrition and Integrative Physiology

2012 - 2013 Supervisor, Sara Shupe, University of Utah, Nutrition and Integrative Physiology

2012 - 2013 Supervisor, Stephanie Ashmore, University of Utah, Nutrition and Integrative Physiology

2011 - 2012 Supervisor, Andrea Heglas, University of Utah, Nutrition and Integrative Physiology

2011 - 2012 Supervisor, Allison Reiderer, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: Faculty, Nutrition and Integrative Physiology

2010 - 2012 Supervisor, Ornela Baley, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: Clinical Dietitian

2008 - 2009 Supervisor, Erin Brown, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: Private Industry

2007 - 2009 Supervisor, Michael Campbell, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: Postdoctoral Fellow Cold Spring Harbour

2006 - 2010 Supervisor, Heidi Bagley, University of Utah, Nutrition and Integrative Physiology

Trainee's Current Career Activities: NICU dietitian, Primary Children's Medical Center, Utah

Medical Student

2020 - Present Advisor/Mentor, Taylie Sargent, University of Utah, Supported by University of Utah Medical Student Research Program

2020 - 2021 Advisor/Mentor, Mariah Richins, University of Utah, Supported by University of Utah Medical Student Research Program

2019 - 2022 Advisor/Mentor, Nicolette Jessen, University of Utah, Received support from the University of Utah Medical Student Research Program

2018 - 2020 Supervisor, Brooke Zhao, University of Utah

2015 - 2016 Supervisor, Kasi Goodwin, University of Utah,
Trainee's Current Career Activities: Currently: Resident

2013 - 2015 Supervisor, Massiell German, University of Utah,
Trainee's Current Career Activities: Completing medical degree

2013 Supervisor, Livia Miskulin Prearo, University of Utah, Exchange Student "Science Without Borders" program. Sponsored by Brazilian government.
Trainee's Current Career Activities: Neonatology Fellow at University of São Paulo, Brazil

Undergraduate

2021 - 2022 Advisor/Mentor, Trey Benally, University of Arizona, Trainee supported by the University of Utah Native American Research Internship

2021 - 2022 Advisor/Mentor, Ryan Gage, University of Southern Utah, Trainee supported by Rural & Underserved Utah Training Experience (RUUTE) program

2019 - 2022 Advisor/Mentor, Shalini Kasera, University of Utah, Supported by University of Utah Summer Program for Undergraduate Research and the Undergraduate Research Opportunities Program

2018 - 2021 Advisor/Mentor, Ria Kaddu, University of Utah, Supported by the University of Utah Undergraduate Research Program for 2 semesters.
Trainee's Current Career Activities: Medical Student, University of Utah

2018 - 2019 Advisor/Mentor, Craig Ballard, University of Wisconsin
Trainee's Current Career Activities: Medical Student - Tulane University School of Medicine

2018 Advisor/Mentor, Benjamin Ringham, University of Wisconsin, Native American Research Intern (Dept of Peds)
Trainee's Current Career Activities: Undergraduate - University of Wisconsin

2017 Supervisor, Aimee Jones, University of Utah, Native American Research Intern (Dept of Peds)

- Trainee's Current Career Activities: Nursing School*
- 2016 - 2018 Supervisor, Christian Wiscombe, University of Utah
- 2015 - 2017 Supervisor, Brent Locklear, University of Utah, Native American Research Intern (Dept of Peds)
- Trainee's Current Career Activities: Medical School Applicant*
- 2015 - 2016 Supervisor, Richard Knecht, University of Utah,
- Trainee's Current Career Activities: Medical School University of Utah*
- 2014 - Present Supervisor, James Zhao, University of Utah,
- 2013 - 2015 Supervisor, Danielle Holliday, University of Utah, Native American Research Intern (Dept of Peds)
- Trainee's Current Career Activities: Graduate school*
- 2013 Supervisor, Chantel Harrison, University of Utah, Native American Research Intern (Dept of Peds)
- Trainee's Current Career Activities: Graduate School: Social Work*
- 2012 - 2013 Supervisor, Cynthia Wilson, University of Utah, Native American Research Intern (Dept of Peds)
- 2010 - 2015 Supervisor, Anthony Sainz, University of Utah,
- Trainee's Current Career Activities: Medical School, University of Kentucky*
- 2009 - 2010 Supervisor, Julia Wiedmeier, University of Utah,
- Trainee's Current Career Activities: Faculty, Oregon Health Science Center*

High School

- 2017 - 2019 Advisor/Mentor, Bovey Rao, University of Utah
- Trainee's Current Career Activities: Neuroscience PhD - Columbia University*
- 2015 - 2020 Advisor/Mentor, Bovey Rao, University of Utah, Lab Aide
- Trainee's Current Career Activities: PhD in Neurobiology and Behavior - Columbia University*

Graduate Student Committees

- 2021 - 2023 Chair, Sophie Hochhauser, University of Utah
- 2018 - 2019 Chair, Emily Barrett, University of Utah
- 2017 - 2018 Chair, Amy Loverin, University of Utah
- 2017 - 2018 Chair, Claire Bagley, University of Utah
- 2017 - 2019 Chair, Emily Barrett, University of Utah, Nutrition and Integrative Physiology
- 2017 - 2019 Chair, Allison DePaolo, University of Utah, Nutrition and Integrative Physiology
- 2017 - 2019 Chair, Claire Sorensen, University of Utah, Nutrition and Integrative Physiology
- 2017 - 2019 Chair, Amy Loverin, University of Utah, Nutrition and Integrative Physiology
- 2016 - 2017 Chair, Alyssa Cox, University of Utah
- 2016 - 2017 Chair, Cheri Bantilan, University of Utah
- 2016 - 2017 Chair, Alyssa Cox, University of Utah, Nutrition and Integrative Physiology

2016 - 2017 Chair, Ashley Pyne, University of Utah, Nutrition and Integrative Physiology
 2016 - 2017 Chair, Cheri Bantalin, University of Utah, Nutrition and Integrative Physiology
 2015 - 2016 Chair, Rebecca Moore, University of Utah
 2015 - 2016 Chair, Rebecca Moore, University of Utah
 2014 Chair, Emily Riddle, University of Utah
 2013 - 2014 Chair, Courtney Hurdman, University of Utah
 2013 - 2014 Chair, Emily Riddle, University of Utah
 2012 - 2014 Chair, Courtney Hurdman, University of Utah
 2012 - 2014 Chair, Sara Shupe, University of Utah, Nutrition
 2012 - 2014 Chair, Stephanie Ashmore, University of Utah, Nutrition
 2011 - 2013 Chair, Allison Riederer, University of Utah, Nutrition
 2011 - 2013 Chair, Andrea Heglas, University of Utah, Nutrition
 2011 - 2013 Chair, Lauren Challis, University of Utah, Nutrition
 2011 - 2012 Chair, Allison Riederer, University of Utah
 2011 - 2012 Chair, Andrea Heglas, University of Utah
 2011 - 2012 Chair, Lauren Challis, University of Utah
 2010 - 2011 Member, Ornela Baley, University of Utah, Nutrition
 2009 - 2010 Member, Heidi Bagley, University of Utah, Nutrition
 2008 - 2009 Member, Erin Brown, University of Utah, Nutrition
 2008 - 2009 Member, Michael Campbell, University of Utah, Nutrition
 2006 - 2011 Member, Arwen Fuller, University of Utah, Exercise Science,

PEER-REVIEWED JOURNAL ARTICLES

1. Carpenter JR, Jablonski KA, Koncinsky J, Varner MW, Gyamfi-Bannerman C, **Joss-Moore LA**, Eunice Kennedy Shriver National Institute of Child Health, Human Development Maternal-Fetal Medicine Units Network. (2022). Antenatal Steroids and Cord Blood T-cell Glucocorticoid Receptor DNA Methylation and Exon 1 Splicing. *Reprod Sci*, 29, 1513-1523.
2. **Joss-Moore LA**, Lane RH, Rozance PJ, Bird I, Albertine KH (2022). Perinatal Research Society's Young Investigator Workshop Prepares the Next Generation of Investigators. *Reprod Sci*, 29, 1271-1277.
3. Barrett E, Loverin A, Wang H, Carlson M, Larsen TD, Almeida MM, Whitman J, Baack ML, **Joss-Moore LA** (2021). Uteroplacental Insufficiency with Hypoxia Upregulates Placental PPAR γ -KMT5A Axis in the Rat. *Reprod Sci*, 28(5), 1476-1488.
4. de Almeida MM, Dias-Rocha CP, Reis-Gomes CF, Wang H, Cordeiro A, Pazos-Moura CC, **Joss-Moore L**, Trevenzoli IH (2021). Maternal high-fat diet up-regulates type-1 cannabinoid receptor with estrogen signaling changes in a sex- and depot- specific manner in white adipose tissue of adult rat offspring. *Eur J Nutr*, 60(3), 1313-1326.
5. Weinheimer C, Wang H, Comstock JM, Singh P, Wang Z, Locklear BA, Goodwin KL, Maschek JA, Cox JE, Baack ML, **Joss-Moore LA** (2020). Maternal Tobacco Smoke Exposure Causes Sex-Divergent Changes in Placental Lipid Metabolism in the Rat. *Reprod Sci*, 27(2), 631-643.

6. Almeida MM, Dias-Rocha CP, Reis-Gomes CF, Wang H, Atella GC, Cordeiro A, Pazos-Moura CC, **Joss-Moore L**, Trevenzoli IH (2019). Maternal high-fat diet impairs leptin signaling and up-regulates type-1 cannabinoid receptor with sex-specific epigenetic changes in the hypothalamus of newborn rats. *Psychoneuroendocrinology*, *103*, 306-315.
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REVIEW ARTICLES

1. **Joss-Moore LA**, Albertine KH, Lane RH (2011). Epigenetics and the developmental origins of lung disease. [Review]. *Mol Genet Metab*, 104, (1-2), 61-6.
2. **Joss-Moore LA** and Lane RH (2011). Perinatal Nutrition, Epigenetics and Disease. [Review]. *Neoreviews*, 12, (9), e498 -e505.

3. Wiedmeier JE, **Joss-Moore LA**, Lane RH, Neu J (2011). Early postnatal nutrition and programming of the preterm neonate. [Review]. *Nutr Rev*, 69, (2), 76-82.

BOOK CHAPTERS

1. Nicolette Jessen and Lisa Joss-Moore (2022). **Epigenetics and Environmental Programming of Lung Disease**. In Rebecca Fry, PhD (Eds.), *Environmental Epigenetics in Toxicology and Public Health* (2nd). Academic Press.
2. Lisa A. Joss-Moore, Cheri Bantilan, Kjersti Aagaard-Tillery, Nicole Mitchell, Clotilde desRoberts and Robert H. Lane (2017). Adult Consequences of Neonatal and Fetal Nutrition: Mechanisms. In Josef Neu (Ed.), *Neonatology Questions and Controversies: Gastroenterology and Nutrition* (3rd). Elsevier Press.
3. Claudia Weinheimer, Leslie Ruybal and Lisa Joss-Moore (2016). Environmental Exposures and Developmental Programming of the Lung. In Charlene McQueen and Christopher Reilley (Eds.), *Comprehensive Toxicology; Respiratory Toxicology* (3). Oxford: Elsevier.
4. Lisa A. Joss-Moore, Robert H. Lane and Kurt H. Albertine (04/07/2014). Epigenetics and the Developmental Origins of Lung Disease. In Harding and Pickerton (Eds.), *The Lung: Development, Aging and the Environment* (2nd). Waltham: Elsevier.
5. Robert H. Lane , Lisa Joss-Moore , Ryann Bierer , Laurie J . Moyer-Mileur (2013). Intrauterine Nutrition and Children's Health. In Landrigan PJ, Etzel RA. (Eds.), *Textbook of Children's Environmental Health* (1, pp. 35-42). New York: Oxford University Press.
6. Shannon L Haley, Laurie J Moyer-Mileur, Robert H Lane and Lisa Joss-Moore (2011). Maternal nutrition and developmental outcomes. In Mihai D. Niculescu, Paul Haggarty (Eds.), *Nutrition and Epigenetics*. Wiley.

ADDITIONAL PUBLICATIONS

Commentary

1. McKnight RA, **Joss-Moore LA**, Lane RH (2010). Stem cell DNA methylation: a consequence of intrauterine growth restriction. *Epigenomics*, 2(3), 359-60.
2. McKnight RA, **Joss-Moore LA**, Lane RH (2010). Intrauterine growth restriction, neural microRNA expression and hypertension in the mouse. *Epigenomics*, 2(3), 360-1.
3. McKnight RA, **Joss-Moore LA**, Lane RH (2010). Placental variability in methylation reflects maternal and fetal pathogenesis. *Epigenomics*, 2(3), 362-3.
4. McKnight RA, **Joss-Moore LA**, Lane RH (2010). Intrauterine growth restriction disturbs mediators of placental protein turnover. *Epigenomics*, 2(3), 363-4.

Editorials

1. Boeldt DS, **Joss-Moore L** (2023). The wide reach of fatty acids and their metabolites. *Mol Cell Endocrinol*, 560, 111823.
2. **Joss-Moore LA**, Keenan HT, Bale JF Jr, Dean JM, Albertine KH (2018). A Pediatric Department's Innovative Grant Writing Workshops. *J Pediatr*, 197, 5-7.e1.
3. LA Joss-Moore and RH Lane (2012). Epigenetics and the developmental origins of disease: the key to unlocking the door of personalized medicine. *Epigenomics*, 4(5), 471-473.
4. **Joss-Moore LA**, Lane RH (2012). Epigenetics and the developmental origins of disease: the key to unlocking the door of personalized medicine. *Epigenomics*, 4(5), 471-3.

PENDING PUBLICATIONS

Journal Articles

1. Lang BY, Wang Y, Bierer R, Zinkhan EK, Jiang C, Yu X, Yoder, BA, Albertine, KH, Lane RH, **Joss-Moore LA** (In preparation). Maternal DHA Supplementation Normalizes IUGR-Induced Hepatic Steatosis and Hepatic PPAR γ 2 Expression in Weanling Male Rats. *J Nutr.*
2. Zhao J, Ballard C, Sorensen C, Baintalin C, Zuspan K, Rebentisch A, Wang H, **Joss-Moore LA** (In Preparation). Postnatal Growth Restriction Alters Lung Function and Structure In Juvenile Rats. *Pediatr Res.*
3. Moore RS, Weinheimer C, Wang H, Holliday D, Wang ZM, Stiers J, **Joss-Moore LA** (In Preparation). Intrauterine growth restriction sex-specifically alters sex-steroid signaling in rat lung. *Am J Physiol Lung Cell Mol Physiol.*

Abstracts

1. S. Kasera, R. Kaddu, H. wang, L. Joss-Moore (In Press). IUGR and Supplemental DHA Alter Hepatic DHA-Phospholipids and PEMT Expression in the Weanling Rat. Pediatric Academic Societies Meeting, Philadelphia, PA. May 1-5, 2020. Due to COVID-19 related conference cancellation, [Abstract]. *E-PAS2020:1437.645.*

RECENTLY PUBLISHED ABSTRACTS (LAST 3 YEARS)

1. Adrienne Cohen, Haimei Wang, James Cox, Alan Maschek, Lisa Joss-Moore (2021). Postnatal DHA Supplementation Decreases Non-DHA Essential Fatty Acids in IUGR Rat Lung. [Abstract]. *E-PAS2021:1777.*

ORAL PRESENTATIONS

Keynote/Plenary Lectures

National

- 2018 "Lung, Liver, and Placenta: The Trifecta in Developmental Programming" Sanford Research, Sioux Falls, South Dakota
- 2018 "Perinatal Lipids and the Programming of Lung Disease". US DOHaD Society, 3rd Annual Meeting, 2018, North Carolina
- 2017 Invited Keynote Speaker: 2017 Endocrinology & Reproductive Physiology Symposium. University of Wisconsin, Madison, WI
"Placental Lipid Programming – How Important Is Sex?"

Meeting Presentations

Local/Regional

- 2019 - University of Utah Native American Research Internship, Salt Lake City Utah
Present

Invited/Visiting Professor Presentations

International

- 2014 Ohio State/Nationwide Children's Hospital Lecture: "Postnatal Nutrition Predicts Lung Outcomes in Preterm Lambs" . Annual Perinatal Research Society Meeting, Monterey, CA
- 2014 "Fetal Programming of Lung Disease, Epigenetics and Lipids". Federation of Societies of Experimental Biology, Caxambu, Brazil
- 2012 AUGUST JUNG LECTURER: "Epigenetics and the IUGR Lung". Perinatal Research Society Meeting. Park City, Utah

National

- 2021 - Present Greenwald Symposium, University of Kansas
- 2010 "Fetal Origins of Lung Disease; PPARgamma and epigenetics", FASEB, Anaheim, CA
- 2009 "Maternal DHA Supplementation and the IUGR Rat Lung" Perinatal Research Society Meeting, New York

Local/Regional

- 2014 "Fetal Growth and Disease: Epigenetic Mechanisms": University of Utah Medical Student Research Group, Salt Lake City, Utah
- 2012 Perinatal Insults, Epigenetics and Lung Disease
- 2012 Maternal, Fetal Nutrition. Intermountain Health Women and Newborn Conference, Salt Lake City, Utah
- 2011 "Epigenetics and the Developmental Origins of Disease". Brigham Young University, Provo, Utah
- 2011 "Team Science: Why now, what works and what do we need" Women and Child Institute Research Support Workshop, Salt Lake City, Utah
- 2010 "Fetal Origins and Epigenetics"; Caring for Babies... Its in our blood Conference; University of Utah
- 2010 "Programming of Adult Disease" Neonatal Clinical Conference, University of Utah
- 2010 RIP-Biochemistry
- 2009 "Two well known genes and Epigenetics: IGF-1 and PPAR" Biological Basis of Disease. Meeting, Salt Lake City, Utah
- 2009 "Maternal Diet and DHA Supplementation" Biological Basis of Human Disease Meeting, Salt Lake City, Utah
- 2009 Human Genetics Interest Group