

Curriculum Vitae

Carrie E. McCurdy, PhD

Work address

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ACADEMIC POSITIONS

9/2019- Present Associate Professor, w/ Tenure
Department of Human Physiology, University of Oregon, Eugene, OR

9/2014- Present Affiliate member; UO Food Studies Program
9/2014- Present Affiliate member; UO Global Health Program

9/2013- 8/2019 Assistant Professor, Tenure-Track
Department of Human Physiology, University of Oregon, Eugene OR

7/2008- 8/2013 Assistant Professor, Tenure-track
Department of Pediatrics, University of Colorado, Anschutz Medical Campus, Aurora, CO

EDUCATION

Postdoctoral Fellowship, Pediatrics/Neonatology 3/2005 - 6/2008
University of Colorado Anschutz Medical Campus, Aurora, CO

PhD in Nutritional Sciences 8/1998 - 12/2004
University of Wisconsin-Madison, Madison, WI

BS in Biochemistry 8/1994 – 05/1998
University of Notre Dame, South Bend, IN

AWARDS and HONORS

Sept 1998 Frost Scholar Award. Dept. of Nutritional Sciences, University of Wisconsin-Madison

May 2003 First Place in Student Poster Competition, University of Wisconsin-Madison.

May 2003 Villas Travel Grant. University of Wisconsin-Madison

May 2004 Goessling Travel Award. Dept. of Nutritional Sciences, University of Wisconsin-Madison

Fall 2004 FASEB Maximizing Access to Research Careers (MARC) Travel Award

Fall 2005 Outstanding New Investigator Award for Basic Sciences; 3rd International Congress on the Developmental Origins of Health and Disease (DOHaD). Toronto, Canada

May 2007 Best in Show. University of Colorado, Dept. of Medicine 5th Annual Research Day

Fall 2010 Perinatal Research Society NIH Young Investigator Travel Award

Fall 2011 Junior Faculty Travel Award. 7th International Congress on DOHAD, Portland, OR

Spring 2021 Invited Lectureship. Leaders in Bioenergetics Symposia, East Carolina University, Greenville, NC

Fall 2021 APS Nomination to National Academies of Sciences, Engineering, and Medicine (NASEM) committee

PROFESSIONAL MEMBERSHIP

American Diabetes Association Since 2002
International Society for DOHaD Since 2005
US Society for Developmental Origins of Health and Disease (DOHaD) Since 2017

The Endocrine Society	2012-2020
American Physiological Society	Since 2013
Invited Membership, Perinatal Research Society	2017-2019

I. SERVICE ACTIVITIES

A.1 National Level

National Institute of Health (NIH)

Ad hoc Reviewer

- Cellular Aspects of Diabetes and Obesity (CADO) Study Section 02/2017
- Diabetes, Endocrinology, and Metabolic Diseases B Sub-Committee (DDK-B) 10/2017
- Special Emphasis Panel, COBRE Phase I Centers (P20) 07/2018
- Molecular Cellular Endocrinology (MCE) Study Section 02/2020
- Cell Signaling and Molecular Endocrinology (CSME) Study Section 02/2021

Other, Ad Hoc Grant Reviewer

- MJ Murdock Charitable Trust 2011
- The Netherlands Organisation for Scientific Research (NWO) 2012
- Central Michigan University, Early Career Grant Program 2013

American Diabetes Association (ADA)

78th Scientific Sessions, ADA National Conference 2017-2018

- Abstract Reviewer
- Chair, Oral Session, “*G is for GLP, GIP, and Glucagon. A NOD to the Gut-Liver Axis*”

79th Scientific Sessions, ADA National Conference 2018-2019

- Programming Committee, Pregnancy and Reproductive Health Interest group
- Abstract Reviewer
- Moderator, Poster Discussion Group

80th Scientific Sessions, ADA National Conference 2019-2020

- Programming Committee, Pregnancy and Reproductive Health Interest group
- Chair, Oral Session, “*Fetal Sex*”

American Physiological Society

Translational Physiology Steering Group; Nominations Committee 2014-2016

A.2 University Level (*service that enhances DEI)

Ongoing Service Commitments

University Senate , CAS-Natural Sciences Representative	9/2022 – 6/2024
Chair , College of Arts and Sciences (CAS) Curriculum Review Committee	9/2020 – 6/2022
Associate Chair , Institutional Animal Care and Use (IACUC) Committee	9/2021 – 6/2022
Faculty Advisory Committee, Genetics and Cell Characterization Core Facility	9/2019 – 6/2022
Undergraduate Council, Ex officio member	9/2020 – 6/2022
Council for Undergraduate Research, Distinguished Scholarships and Scholarly Works*	1/2021 – 12/2023

Completed Service

Institutional Animal Care and Use (IACUC) Committee	9/2018 – 8/2021
CAS Curriculum Review Committee	9/2019 – 6/2020
Advisory Board, Center for Undergraduate Research and Engagement (CURE)*	9/2017 – 12/2020
Panel Speaker, Students of Color Research Opportunity Enrichment (SCORE)*	10/13/2020, 21
Chair , Faculty Advisory Committee; Histology and Genetic Modification (HGeM) Core	9/2016 – 6/2019
Faculty Advisory Committee; HGeM Core	9/2014 – 6/2016
Faculty Advisory Committee, Undergraduate Research Opportunity Program (UROP)*	9/2017 – 6/2019
Group Leader, Summer Academy to Inspire Learning (SAIL) with CURE*	15 July 2019

Review Committee, University Electronic Research Administration System	Fall 2018
Member, VPRI Research Core Facilities Taskforce	Spring 2018
Mentor, UO Faculty Success Program*	9/2017 – 6/2018
Undergraduate Student Research Symposia; Honors College PreMed Award Judge	Spring 2016
Organized the OHSU/UO Joint Developmental Health Research Seminar Series	Fall 2016
UO Center on Diversity and Community (CoDaC) Faculty Fellows Program Reviewer*	Fall 2015

A.3 Department Level

Ongoing Service Commitments

Chair , Faculty Search Committee (Health Promotion Initiative)	07/2021 – Present
Chair , Awards and Scholarship Committee	9/2019 – Present
Teaching Effectiveness, Peer Reviewer	9/2020 – 09/2023
Associate Dept Head (interim)	Spring, Fall 2021
Executive Committee (interim)	Fall 2021

Completed Service

Human Physiology, Research Committee	9/2019 – 2021
Human Physiology, Awards and Scholarship Committee	9/2018 – 2019
Human Physiology, Graduate Admissions & Programming Committee	9/2016 – 2019
Human Physiology, Undergraduate Curriculum Committee	9/2017- 6/2018
UO Obesity Prevention Cluster of Excellence, Faculty Search Committee	9/2015- 6/2017
Human Physiology, Faculty Search Committee	9/2015- 6/2016
Human Physiology, Faculty Search Committee	9/2014-6/2015

B. OTHER PROFESSIONAL DUTIES

Editorial Advisory Board , Journal of Applied Physiology	07/2018-2021
<ul style="list-style-type: none"> Review 2-3 manuscripts/year 	
Review Editor , <u>Diabetes: Molecular Mechanisms</u> , section of Frontiers in Endocrinology	10/2019-2021
Review Editor , <u>Obesity</u> , specialty section for Frontiers in Endocrinology	10/2019-2021
<ul style="list-style-type: none"> Review 10-12 manuscript/year for Frontiers sections 	

Journal Reviewer, Ad Hoc (*Review 1-2 manuscripts/journal*)

2021	Diabetes, J DOHAD
2020	J DOHAD, Endocrinology, Diabetes, American Journal of Physiology
2019	Frontiers in Immunology, Molecular and Cellular Endocrinology
2018	Diabetes, Scientific Reports
2017	Diabetes, American Journal of Physiology, Scientific Reports, Molecular Cellular Endocrinology
2016	Diabetes, Journal of Clinical Endocrinology & Metabolism, Diabetes Care, Translation Research, JCI Insight
2015	American Journal of Physiology, GENE, Journal of Endocrinology (JOE), PLOS ONE, Diabetes
2014	American Journal of Physiology, Applied Physiology, Nutrition and Metabolism, Endocrinology
2013	Journal of Clinical Endocrinology & Metabolism (JCEM), Endocrinology, Diabetes, Applied Physiology, Nutrition and Metabolism, American Journal of Physiology
2012	PLOS ONE, Journal of Endocrinology, J DOHAD, Journal of Clinical Endocrinology & Metabolism, Applied Physiology, Nutrition and Metabolism, American Journal of Physiology
2011	PLOS ONE, American Journal of Physiology, Journal of Clinical Endocrinology & Metabolism, Journal of Developmental Origins of health and Disease (DOHAD), Journal of Neuroendocrinology

Book Reviewer.

2012	Bentham Science Publishers. Bentham eBooks. Frontiers in Hypertension- Hypertension and Diabetes
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II. RESEARCH & SCHOLARLY ACTIVITIES

A. RESEARCH SUPPORT

A.1 Active Support

1. **NIH R01DK128187-01A1** (Aagaard, Friedman, Kievit) Role: col
Safety and Efficacy of Metformin in GDM: Fetal Consequences and Long-term Outcomes in a NHP Model
 Effort: 10% effort, summer
 Period: 10/01/2021 – 9/30/2026
 Description: Metformin is currently in use world-wide as a therapeutic option for the management of GDM, PCOS, and obesity due to the low risk for maternal side effects. We will conduct an in-depth clinical study of Metformin use in pregnancy on fetal development and the long-term consequences on offspring using a nonhuman primate model.
2. **NIH R56DK131121-01** (Schenk, McCurdy) Role: mPI
Regulation of insulin-stimulated skeletal muscle glucose uptake by acetylation
 Effort: 15% effort, summer
 Period: 10/01/2021 – 09/30/2022
 Description: The goal of these studies is to investigate the molecular mechanism of insulin-stimulated glut4 translocation.
3. **Murdoch Pilot Award** (McCurdy) Role: PI
Regulation of insulin-stimulated skeletal muscle glucose uptake by acetylation
 Funding: Total Cost \$7000
 Period: 03/01/2021 – 02/28/2022
 Description: The goal of these studies is to develop methodology to study insulin stimulated GLUT4 trafficking and cytoskeleton remodeling using real-time super-resolution imaging.
4. **Incubating Interdisciplinary Initiatives** (McCurdy) Role: PI
Understanding the effects of maternal high fat diet on egg quality and offspring health using an outbred fish model
 Funding: Total Cost \$50,000
 Period: 05/01/2021 – 04/31/2023
 Description: The goal of these studies is to develop new collaborations focused on understanding the influences of maternal health and diet on mitochondrial biology in a model organism
5. **NIH R01** (Halliwill) Role: col
Molecular transducers of exercise
 Funding and Effort: 10% effort
 Period: 04/01/2021 – 03/31/2026
 Description: The goal of these studies is to identify the factors that mediate cardio-metabolic adaptations to exercise with focus on histamine signaling from skeletal muscle

A.2 In Review

6. **NIH R01** (Schenk, McCurdy) Role: mPI
Regulation of insulin-stimulated skeletal muscle glucose uptake by acetylation
 Effort: 25% effort, summer
 Description: The goal of these studies is to investigate the molecular mechanism of insulin-stimulated glut4 translocation in cell and animal models.
7. **NIH R01** (McCurdy, Sullivan, Lo) Role: mPI
Impact of Maternal-Fetal Inflammation on Metabolic Programming of Childhood Obesity
 Effort: 25%, summer
 Description: The goal of this proposal is to investigate the relationship between early life inflammation on offspring metabolism and risk of early onset obesity. We will identify maternal factors that mediate higher fetal inflammation, assess cellular metabolism using umbilical cord stem cells and relate these to measures of child growth to 4 years.
8. **NIH R01** (Wesolowski, McCurdy, Gannon) Role: mPI
Impact of Maternal-Fetal Inflammation on Metabolic Programming of Childhood Obesity
 Effort: 25%, academic year
 Description: The goal of this proposal is to investigate the relationship between early life inflammation on offspring metabolism and risk of early onset obesity. We will identify maternal factors that mediate higher fetal inflammation, assess cellular metabolism using umbilical cord stem cells and relate these to measures of child growth to 4 years

A.3 Completed

1. **NIH R24 DK090964** (Friedman, Aagaard) Role: col
Interrupting the Vicious Cycle of Obesity and Metabolic Syndrome.
 Funding and Effort: Total Cost \$8,396,745; Subaward \$911,395; 17% effort
 Period: 8/01/2015 – 10/31/2021NCE
 Description: The major focus will be to explore the functional physiology and related genetic modifications in liver, pancreas, and skeletal muscle from juvenile offspring (1 and 3 years) that were exposed to maternal obesity or HFD.
2. **OHSU-UO Collaborative Seed Project** (McCurdy, Niggs) Role: MPI
Early environmental factors and cell mechanisms underlying metabolic risks for childhood obesity
 Funding and Effort: Total Cost \$50,000
 Period: 01/01/2020 – 12/31/2020; 06/30/2021NCE
 Description: The goal of these studies is to characterize 3rd trimester immune cell profile and stratify by maternal adiposity.
3. **NIH R01 DK095926** (McCurdy, CE) Role: PI
Regulation of Obesity-Induced Adipose Tissue Inflammation by PI 3-kinase
 Funding and Effort: Total Cost \$1,830,541, 25% Effort
 Period: 01/1/2014 - 12/31/2018, 12/31/2019 NCE
 Description: The goal of these studies is to investigate a novel role for PI3K regulatory subunits in the initiation of adipose tissue inflammation in diet-induced obesity.
4. **UO VPRI Research Instrumentation and Equipment Program (RIEP)** (Hostick, McCurdy)
Microinjection microscope stage and imaging to enhance productivity in transgenic core facility
 Funding: \$26,393
 Period: 2018-19
 Description: These funds will be used to update the staging for the micro-injection microscope. Adding an automated stage will ensure better reproducibility and quality in the generation of transgenic mice
5. **UO VPRI Research Instrumentation and Equipment Program** (Hostick, McCurdy)
Updated microinjection microscope to enhance productivity in transgenic core facility
 Funding: \$50,000
 Period: 2017-18
 Description: These funds will be used to defer the cost of a new micro-injection microscope. This is an essential piece of equipment needed in the generation of transgenic mice.
6. **P50 HD071836 (NCTRI) Pilot Award** (McCurdy) Role: PI
Mechanisms of Skeletal Muscle Insulin Resistance in Polycystic Ovary Syndrome
 Period: 8/2016-06/2018
 Total Cost: \$25,000
 Description: The goal of this project is to identify potential mechanisms that lead to skeletal muscle insulin resistance in adolescent female rhesus macaques with chronic hyperandrogenemia.
7. **University of Oregon VPRI Office, UROP Mini-grant** (McCurdy/Melendy) Role: PI
Development of flow cytometer-based method for high throughput screening of Insulin Stimulated Signaling in myocytes
 Funding: \$1000
 Dates: 9/2017-5/2018
 Description: The goal of these studies is to develop a single cell screening of key insulin signal nodes using flow cytometry in myocytes
8. **American Physiological Society STRIDE Fellowship** (Melendy/McCurdy) Role: PI
Pik3r1 as a key regulator of adipocyte insulin action
 Period: 6/2017-05/2018; Total Cost: \$20,000
 Description: This fellowship supports training and research exposure to underrepresented undergraduate students during the summer term. The goal of the project is to investigate the role of p55alpha over-expression on PI3K function insulin signaling in adipocyte cell line.
9. **American Heart Association Predoctoral Fellowship 16PRE27780085** (Ely) Role: col
Chronic Passive Heat Exposure as a Means to Improve Cardiometabolic Health in Obese Women
 Period: 1/2016- 12/2018

Total Cost: \$50,000

Description: This fellowship supports training and research to investigate the potential therapeutic benefits and underlying molecular mechanisms associated with heat treatment

- 10. University of Oregon VPRI Office, UROP Mini-grant** (McCurdy/Feuerborn) Role: PI
Effect of prenatal high fat diet on regulation of circadian rhythms
 Funding: \$1000
 Dates: 9/2015-5/2016
 Description: The goal of these studies is to analyzed circadian gene transcriptional profiles in liver from offspring from mothers consuming a high fat diet during pregnancy compared to control offspring
- 11. NIH R24 DK090964.** (Grove, Friedman, Thornburg) Role: col
Impact of Maternal Health and Diet on Development of Fetal Metabolic Systems
 Role: Co-Investigator
 Funding and Effort: Total Cost: \$5,156,410; Subaward \$766,085; 15% effort
 Dates: 7/01/2010 – 6/30/2015
 Description: The goal of these studies is to determine the impact of maternal high fat diet and/or obesity on fetal programming in key metabolic tissues (liver, pancreas and placenta) using a non-human primate model.
- 12. NIH K12 HD057022** (McCurdy) Role: PI
Fetal Programming of Skeletal Muscle Metabolism
 Funding and Effort: Total Direct Cost, \$329,820, 75% Effort
 Period: 7/2008- 6/2012
 Description: The goal of these studies is to determine the impact of maternal high fat diet and/or maternal obesity on fetal programming of skeletal muscle metabolism, insulin sensitivity and mitochondrial function in fetal and juvenile Japanese macaques.
- 13. University of Colorado (NORC) P30 DK048520 Pilot Award** (McCurdy) Role: PI
Regulation of Obesity-Induced Adipose Tissue Inflammation by p85a PI3-Kinase.
 Funding and Effort: Total Direct Cost, \$20,000; 25% Efforts
 Period: 8/2010 – 7/2012
 Description: The goal of this pilot study was to create a novel adipocyte –specific p85a knockout mouse model to directly investigate the contribution of p85alpha on adipose tissue inflammation
- 14. University of Colorado (DERC) P30 DK57516 Pilot Award** (McCurdy) Role: PI
Essential Role of p85alpha PI 3-Kinase in Obesity-Induced Inflammation
 Funding and Effort: Direct Costs, 47,600; 25% Effort
 Period: 4/2009 – 3/2010
 Description: This pilot study compared the effects of p85alpha knockout in peripheral tissues versus bone-marrow derived macrophage on prevention of obesity–induced insulin resistance.
- 15. NIH F32 DK075252 Ruth L. Kirschstein Individual NRSA** (McCurdy) Role: PI
Regulation of Insulin Sensitivity by p85alpha PI3K
 Funding and Effort: Total Cost, \$153,834; 75% Effort
 Period: 4/2006 - 6/2008.
 Description: The goal of these studies is to investigate nutrient regulation of p85, the PI3K regulatory subunit, and its role in maintaining insulin sensitivity in skeletal muscle

B. RESEARCH PUBLICATIONS

B.1 Peer-Reviewed Articles (Listed in reverse chronological order; *co-first/last author)

38. Nash MJ, Dobrinskikh E, Newsom SA, Messaoudi I, Janssen RC, Aagaard KM, **McCurdy CE**, Gannon M, Kievit P, Friedman JE, Wesolowski SR. (2021) Maternal Western diet exposure increases periportal fibrosis beginning in utero in nonhuman primate offspring. *JCI Insight*, Dec22; 6(24): e154093. PMID: 34935645
37. VF Martins, S LaBarge, A Stanley, K Svensson, C Hung, O Keinan, TP Ciaraldi, D Banoian, B Hetrick, GA Meyers, A Philp, LL David, RR Henry, JE Aslan, AR Saltiel, **CE McCurdy*** and S Schenk*. (2021) p300 or CBP is required for insulin-stimulated glucose uptake in skeletal muscle and adipocytes. *JCI Insight*, Nov 23; e141344. PMID: 34813504
36. El Change, B Hetrick, SR Wesolowski, **CE McCurdy**, PJ Rozance and LD Brown (2021) A two-week insulin infusion in intrauterine growth restricted fetal sheep at 70% gestation increases skeletal myoblast replication but did not restore muscle mass or increase fiber number. *Frontiers Endocrinol.* Nov 30;12: 785242. PMID: 34917036

35. Elsagr JM, Zhao SK, Ricciardi V, Dean TA, Takahashi DL, Sullivan E, Wesolowski SR, **McCurdy CE**, Kievit P, Friedman JE, Aagaard KM, Edwards DRV, Gannon M (2021) Western-style diet consumption impairs maternal insulin sensitivity and glucose metabolism during pregnancy in a Japanese macaque model. *Sci Reports*. 11:12977. PMID: PMC8217225
34. W Campodonico-Burnett, B Hetrick, SR Wesolowski, S Schenk, DL Takahashi, TA Dean, M Gannon, EL Sullivan, P Kievit, KJ Aagaard, JE Friedman, and **CE McCurdy (2020)** Maternal Obesity Reduces Skeletal Muscle Insulin Sensitivity in Fetal and Juvenile Japanese Macaque. *Diabetes*. 69(7):1389-1400 PMID: PMC7306120
33. K Svensson, SA LaBarge, A Sathe, VF Martins, S Tahvilian, JM Cunliffe, R Sasik, SK Mahata, GA Meyer, A Philp, LL David, SR Ward, **CE McCurdy**, JE Aslan JE, S Schenk (2020). p300 and cAMP response element-binding protein-binding protein in skeletal muscle homeostasis, contractile function, and survival. *J Cachexia Sarcopenia Muscle*. 11(2):464-477. PMID: PMC7113519
32. K Svensson, S Tahvilian, VF Martins, JR Dent, A Lemaneck, N Barooni, K Greyslak, **CE McCurdy**, and S Schenk (2020). Combined overexpression of SIRT1 and knockout of GCN5 in adult skeletal muscle does not affect glucose homeostasis or exercise performance in mice. *Am J of Phys Endocrinol Metab*. 318(2): E145-E151. PMID: PMC7052578
31. JR Dent, B Hetrick, S Tahvilian, Abha Sathe, K Greyslak, S LaBarge, K Svensson, **CE McCurdy**, and S Schenk. (2019) Skeletal muscle mitochondrial function and exercise capacity is not impaired in mice with knockout of STAT3. *J Appl Physiology* 127 (4), 1117-1127. PMID: PMC6850983
30. VF Martins, M Begur, S Lakkaraju, K Svensson, J Park, B Hetrick, **CE McCurdy**, and S Schenk. (2019) Acute inhibition of protein deacetylases does not impact skeletal muscle insulin action. *Am J of Phys Cell Physiology* 317 (5), C964-C968. PMID: PMC6879879
29. BR Ely, ZS Clayton, **CE McCurdy**, J Pfeiffer, K Needham, L Comrada, and CT Minson. (2019) Heat therapy improves glucose tolerance and adipose tissue remodeling in obese women with polycystic ovary syndrome. *Am J of Phys Endocrin & Metab* 317(1): E172-E182. PMID: 31136202
28. J Elsagr, J Dunn, K Tennant, K Zhao, K Kroeten, R Pasek, D Takahashi, T Dean, D Velez Edwards, **CE McCurdy**, K Aagaard, A Powers, J Friedman, P Kievit, and M Gannon (2019) Maternal Western-style diet affects offspring islet composition and function in a non-human primate model of maternal over-nutrition. *Mol Metab* 25:73-82 PMID: PMC6599455
27. VF Martins, J Dent, K Svensson, S Tahvilian, M Begur, S Lakkaraju, E Buckner, S LaBarge, B Hetrick, **CE McCurdy**, and S Schenk. (2019) Germline or inducible knockout of p300 or CBP in skeletal muscle does not alter insulin sensitivity. *Am J of Phys Endocrinol Metab* 316(6): E1024-E1035. PMID: PMC6620570 (available on 2020-06-01)
26. SR Wesolowski, CM Mulligan, BC Bergman, KN Maclean, H Jiang, RC Janssen, A D'Alessandro, T Nemkov, T Dean, D Takahashi, P Kievit, **CE McCurdy**, KL Grove, KM Aagaard, and JE Friedman. Switching Obese Mothers to a Healthy Diet Improves Hypoxia and Partially Restores Fetal Liver and Serum Metabolome in Non-Human Primates (2018) *Mol Metab* 18:25-41 PMID: 30337225
25. VF Martins, S Tahvilian, JH Kang, K Svensson, B Hetrick, WS Chick, S Schenk and **CE McCurdy (2018)** Calorie restriction-induced increase in skeletal muscle insulin sensitivity is not prevented by overexpression of the p55 α subunit of phosphoinositide 3-kinase. *Frontiers in Physiology* 9. PMID: PMC6030672
24. ZS Clayton and **CE McCurdy (2018)** Short-term thermoneutral housing alters glucose metabolism and markers of adipose tissue browning in response to a high fat diet in lean mice. *Am J Phys Regul Integr Comp Physiol*. 315(4): R627-37 PMID: PMC6230889
23. JD Bagdade, B Jilma, L Hudgins, P Alaupovic, and **CE McCurdy (2018)** LpA-II:B:C:D:E: A New Immunochemically-defined Acute Phase Protein in Humans. *Lipids in Health and Disease* 17:127. PMID: PMC5972402
22. B Stocks, JR Dent, **CE McCurdy** and A Philp (2017) Skeletal Muscle Fibre-specific Knockout of p53 Does Not Reduce Mitochondrial Content or Enzyme Activity. *Frontiers in Physiology* 8:941. PMID: PMC5723034
21. SM Soto, AC Blake, SR Wesolowski, PJ Rozance, KB Barthels, B Gao, B Hetrick, **CE McCurdy**, NG Garza, WW Hay, Jr, LA Leinwand, JE Friedman and LD Brown. (2017) Myoblast replication is reduced in the IUGR fetus despite maintained proliferative capacity in vitro. *J Endocrinology* 232(3):475-491 PMID: PMC5440081
20. RA Harris, C Alcott, EL Sullivan, D Takahashi, **CE McCurdy**, S Comstock, K Baquero, P Blundell, AE Frias, M Kahr, M Suter, S Wesolowski, JE Friedman, KL Grove, and KM Aagaard. (2016) Identification of Novel Genomic Variants Associated with Resistance to Maternal Obesity Following Chronic High Fat Diet Feeding in a Primate Model. *Scientific Reports* 6:36123. PMID: PMC5095882

19. **CE McCurdy**, S Schenk, BP Hetrick, JA Houck, BG Drew, S Kaye, MA Lashbrook, BC Bergman, DL Takahashi, TA Dean, T Nemkov, I Gertsman, KC Hansen, A Philp, AL Heavner, AJ Chicco, KM Aagaard, KL Grove, and JE Friedman (2016) Maternal obesity reduces oxidative capacity in fetal skeletal muscle of Japanese Macaques. *JCI Insight* 1 (16): e86612. PMC5053156
18. SA LaBarge, CW Migdal, EH Buckner, H Okuno, I Gertsman, B Stocks, BA Barshop, SR Nalbandian, A Philp, **CE McCurdy**, S Schenk (2016). p300 is not required for metabolic adaptation to endurance exercise training in mice. *FASEB J* 30:1623-33. PMC4799503
17. AT White, SA LaBarge, **CE McCurdy** and S Schenk (2015) Knockout of STAT3 in skeletal muscle does not prevent high-fat diet induced insulin resistance. *Mol Metab.*4: 569-75. PMC4529495
16. AT White, A Philp, HN Fridolfsson, JM Schilling, AN Murphy, DL Hamilton, **CE McCurdy**, HH Patel, S Schenk. (2014) High-fat diet-induced impairment of skeletal muscle insulin sensitivity is not prevented by SIRT1 overexpression. *Am J Physiol Endocrinol Metab* 307: E764-72. PMC4216952
15. AT White, **CE McCurdy**, A Philp, DL Hamilton, CD Johnson, S Schenk. (2013) Skeletal muscle-specific over-expression of SIRT1 does not enhance whole-body energy expenditure or insulin sensitivity in young mice. *Diabetologia* 56:1629-37. PMC3703320.
14. L Perreault, **CE McCurdy**, AA Kerege, J Houck, K Faerch, BC Bergman. (2013) Bisphenol A impairs hepatic glucose sensing in C57BL/6 male mice. *PLOS One* 8: e69991. PMC3726717
13. **CE McCurdy**, S Schenk, MJ Holliday, A Philp, J Houck, D Patsouris, PS Maclean, SM Majka, DJ Klemm, JE Friedman (2012) Attenuated pik3r1 expression prevents insulin resistance and adipose tissue macrophage accumulation in diet-induced obese mice. *Diabetes*. 61:2495-505. PMC3447911
12. S Schenk, **CE McCurdy**, A Philp, MZ Chen, MJ Holliday, GK Bandyopadhyay, O Osbourn, K Baar, JM Olefsky. (2011) SIRT1 mediates enhanced skeletal muscle insulin sensitivity in calorie-restricted mice. *J Clin Invest* 121:4281. PMC3204844.
11. A Philips, A Chen, D Lan, G Meyer, IM Olfert, **CE McCurdy**, GR Marcotte, MC Hogan, K Baar, S Schenk. (2011) Sirtuin 1 deacetylase activity is not required for mitochondrial biogenesis or peroxisome proliferator activated receptor gamma coactivator-1 alpha (PGC-1alpha) deacetylation following endurance exercise. *J Biol Chem* 286: 30561-70. PMC3162416
10. **CE McCurdy***, LA Barbour*, TL Hernandez and JE Friedman. (2011) Chronically Increased S6K1 is Associated with Impaired IRS1 Signaling in Skeletal Muscle of GDM Women with Impaired Glucose Tolerance Postpartum. *J Clin Endocrinol Metab* 96: 1413. PMC3085211
9. AA Kendrick, M Choudhury, SM Rahman, **CE McCurdy**, M Friederich, JLK Vanhove, PA Watson, N Birdsey, J Bao, D Gius, MN Sacks, E Jing, CR Kahn, JE Friedman and KR Jonscher. (2011) Fatty liver is associated with reduced SIRT3 activity and mitochondrial protein hyperacetylation. *Biochemical J* 433: 505-15. PMC3398511
8. M Moriarty, **CE McCurdy**, JW Leitner, JE Friedman, and B Draznin. (2009) Partial Knockdown of p85 α In Vivo with antisense oligonucleotides improves insulin sensitivity in Insulin Resistant mice. *Hormone & Metabolic Research* 41(10):757-61.
7. **CE McCurdy***, J Bishop*, SM Williams, JE. Friedman and KL Grove. (2009) Maternal high fat diet triggers lipotoxicity in the fetal livers of nonhuman primates. *J Clin Invest.* 119:323-35. PMC2631287
6. H Wang, LA Knaub, DR Jensen, D Young Jung, EG Hong, HJ Ko, AM Coates, IJ Goldberg, BA de la Houssaye, RC Janssen, **CE McCurdy**, SM Rahman, C Soo Choi, GI Shulman, JK Kim, JE Friedman, RH Eckel. (2009) Skeletal Muscle-specific deletion of lipoprotein lipase enhances insulin signaling in skeletal muscle but causes insulin resistance in liver and other tissues. *Diabetes*. 58:116-24. PMC2606858
5. J del Rincon, K Iida, BD Gaylinn, JJ Kopchick, **CE McCurdy**, JW Leitner, LA Barbour, JE Friedman, B Draznin, and MO Thorner. (2007) Growth Hormone Regulation of p85 α Expression and Phosphoinositide 3-Kinase Activity in Adipose Tissue: Mechanism for GH Mediated Insulin Resistance. *Diabetes*. 56: 1638-46.
4. LA Barbour, SM Rahman, I Gurevich, J Leitner, SJ Fisher, M Roper, T Knotts, **CE McCurdy**, S Yakar, D LeRoith, CR Kahn, LC Cantley, JE Friedman, B Draznin. (2005) Increased P85 α is a potent negative regulator of skeletal muscle insulin signaling and induces in vivo insulin resistance associated with growth hormone excess. *J Biol Chem* 280: 37489.
3. **CE McCurdy**, GD Cartee. (2005) Akt2 is Essential for the Full Effect of Calorie Restriction on Insulin-Stimulated Glucose Uptake in Skeletal Muscle. *Diabetes* 54:1349-56. PMID: 15855319.
2. **CE McCurdy**, RT Davidson, GD Cartee. (2005) Calorie Restriction Increases the Ratio of Phosphatidylinositol 3-Kinase Catalytic to Regulatory Subunits in Rat Skeletal Muscle. *Am J Physiol Endo Metab.* 288: E996-E1001. PMID: 15613677

1. **CE McCurdy**, RT Davidson, GD Cartee. (2003) Brief calorie restriction increases Akt2 phosphorylation in insulin-stimulated rat skeletal muscle. *Am J Physiol Endo Metab.* 285: E693-E700. PMC2748752

B.1.2 In Review/ Pre-Prints

- K Greyslak, B Hetrick, W Campodonico-Burnett, S Schenk, TA Dean, BC Bergman, DL Takahashi, SW Wesolowski, P Kievit, EL Sullivan, KM Aagaard, AJ Chicco, JE Friedman, and **CE McCurdy**. Maternal western-style diet suppresses skeletal muscle mitodynamics and oxidative metabolism in adolescent Japanese macaque offspring. (2022) *Molecular Metabolism*.

B.1.3 In Revision

- B Hetrick*, ZS Clayton*, H Blaylock, S Schenk and **CE McCurdy**. Adipocyte-specific overexpression of p55alpha subunit of PI3K improves systemic glucose metabolism in lean mice.
- B Hetrick, ZS Clayton, T Lang, S Schenk and **CE McCurdy**. Inducible heterozygous knockout of *Pik3r1* in adipocytes reverses glucose intolerance and enhances adipocyte insulin signaling in obese mice.
- J Bagdade and **CE McCurdy**. Effect of hypothyroidism and treatment on lipoprotein levels and subparticle size measured by nuclear magnetic resonance.

B.2 Book Chapters and Invited Review Articles

1. **CE McCurdy** and JE Friedman (2006) Early foetal programming of hepatic gluconeogenesis: glucocorticoids strike back. *Diabetologia* 49:1138-1141.
2. LA Barbour, **CE McCurdy**, TL Hernandez, JP Kirwin, P Catalano and JE Friedman (2007) Cellular Mechanisms for Insulin Resistance in Normal Pregnancy and Gestational Diabetes. *Diabetes Care* 30: S1112-S119.
3. **CE McCurdy** and JE Friedman (2010) Mechanisms Underlying Insulin Resistance in Human Pregnancy and Gestational Diabetes Mellitus. IN: Kim, Catherine and Ferrara, Assiamira, editors. *Gestational Diabetes During and After Pregnancy*. 1st ed London: Springer.
4. **CE McCurdy** and DJ Klemm (2013) Adipose Tissue Insulin Sensitivity and Macrophage Recruitment: Does PI₃K pick the Pathway? *Adipocyte* 2: 135-42. PMC3756101
5. BR Ely, ZS Clayton, **CE McCurdy**, J Pfeiffer and CT Minson (2017) Meta-inflammation and Cardiometabolic Diseases in Obesity: can heat therapy help? *Temperature* 5 (1): 9-21. PMC5902218

C. INVITED PRESENTATIONS

C.1 Invited Seminars

1. Metabolic Programming in the Fetus: A matter of Fat. Division of Neonatology, University of Colorado–Denver. **02/2007**
2. Regulation of Skeletal Muscle Insulin Sensitivity by PI3K p85a Expression. Department of Nutrition and Endocrine Research Seminar, University of Colorado Denver. **10/2008**
3. p85alpha: the Crossroads of Insulin Sensitivity and Inflammation. Division of Neonatology, University of Colorado Denver. **2/2009**
4. Dissecting the Cellular Mechanism for Muscle Insulin Resistance in Obese GDM Pregnancy and the Immediate Postpartum-Period. Division of Neonatology. University of Colorado–Denver. **11/2009**
5. Novel Role for p85a PI3K as a Regulator of Obesity-Induced Inflammation, Program in Reproductive Sciences, University of Colorado Denver. **02/2010**
6. p85a PI3K: A New Intersection between Insulin Sensitivity and Obesity-Induced Inflammation. *Department of Kinesiology*, Colorado State University, Fort Collins, CO, **03/2010**.
7. p85a PI3K: A New Intersection between Insulin Sensitivity and Inflammation. Barbara Davis Center, University of Colorado Denver. **05/2010**
8. Influence of Maternal Obesity on Fetal Skeletal Muscle Development. Division of Neonatology, University of Colorado–Denver. **01/2011**
9. p85a PI3K: A New Intersection between Insulin Sensitivity and Inflammation. Department of Chemistry and Biochemistry, University of Arizona, Tucson, AZ, 01/2010
10. Novel Regulation of Adipose Tissue Insulin Sensitivity and Inflammation by PI3K regulatory Subunits. Dept. of Biochemistry and Molecular Biology, East Carolina University. **02/2011**
11. Influence of Maternal Obesity on Lifelong Skeletal Muscle Health in the Offspring. Department of Orthopedic Surgery. University of California, San Diego. **03/2011**

12. Impact of Maternal Obesity of Development of Fetal Skeletal Muscle Metabolic Systems. Department of Reproductive Sciences, Oregon Health and Sciences University. **06/2011**
13. Investigating the Intersection of Insulin Sensitivity and Inflammation: The Role of PI3K in Obesity. Department of Human Physiology, University of Oregon. **02/2013**
14. Impact of Maternal Obesity of Development of Fetal Skeletal Muscle Metabolic Systems. Prevention Science Institute, University of Oregon. Eugene, OR **02/2014**
15. Impact of Maternal Diet in Pregnancy on Lifelong Health Outcomes for the Offspring. Western Regional Health Conference. Eugene, OR. **04/2015**
16. Impact of Chronic Testosterone Exposure through Puberty in Females on Skeletal Muscle Metabolism. Oregon National Primate Research Center, OHSU, Beaverton, OR. **09/2015**
17. Chronic Testosterone Exposure through Puberty reduces Skeletal Muscle Insulin Signaling in Adolescent Females. Oregon National Primate Research Center, Beaverton, OR. **04/2016**
18. Research in the Obesity & Metabolism Research Laboratory. Students of Color: Opportunities for Research Enrichment (SCORE), University of Oregon, Eugene, OR. **05/27/2016**
19. Metabolic Response to Maternal Obesity in Fetal Muscle. Adaptation or Reprogramming? Developmental Health Seminar Series, Oregon Health Sciences University. **02/2017**
20. Metabolic programming in response to maternal diet and adiposity during development. Diabetes Seminar Series, Vanderbilt University. **11/2019**
21. Influence of Maternal Adiposity And Diet on Programming of Skeletal Muscle Metabolism in Offspring. Leaders in Bioenergetics and Exercise Science Virtual Seminar Series, East Carolina University. **4/01/2021**

C.2 National and International Symposia

1. Maternal high fat diet leads to Fetal Hepatic Steatosis and Inflammation in the Non-human Primate. Keystone Symposia: Adipogenesis, Obesity and Inflammation. Vancouver, B.C. Diabetes Keystone Symposia, **01/2006**
2. Metabolic Programming of the Fetus: Is it Simply a Matter of Fat. Diabetes and Pregnancy Study Group- West. San Diego, CA. **5/2007**
3. Intrauterine Influence on offspring of Diabetic mothers. Sweet Success Diabetes and Pregnancy Education. Farmington, NM. **6/2009**
4. Impact of Maternal Obesity and Diabetes on Pregnancy and Childhood Outcomes. Indianapolis Healthy Babies Symposia. Marion County Public Health Department. Indianapolis, IN. **11/2010**
5. Heterozygous loss of *Pik3r1* reduces obesity-induced macrophage infiltration and inflammation in adipose tissue. American Diabetes Association 70th Scientific Sessions. Orlando, FL. **06/2010**
6. Consequences of Maternal High Fat Diet on skeletal muscle development in the non-human primate. Diabetes and Pregnancy Study Group-West. Denver, CO. **05/2011**
7. Maternal Obesity Impairs Offspring Skeletal Muscle Mitochondrial Biogenesis and Metabolism in a non-human primate model. 7th International DOHaD Congress. Portland, OR. **09/2011**
8. Fetal Programming of Skeletal Muscle Mitochondrial Function and Insulin Sensitivity: Perspectives from non-human primates and mouse models. ADSA-AMPA-ASAS-CSAS-WSASAS Joint Annual Meeting. Phoenix, AZ. **07/2012**
9. Symposia Session: When a Fat Cell goes bad. "Which turns first – The Fat or the Macrophage?" Endocrine Society's 99th Annual Meeting. San Diego, CA. **03/2015**
10. Chronic Hyperandrogenemia Impairs Oxidative Metabolism in Skeletal Muscle from Adolescent Female Rhesus Macaques. Endocrine Society's 100th Annual Meeting. Boston, MA. **04/2016**
11. Fetal Skeletal Muscle Mitochondria Overload and Insulin Signaling in Non-Human Primates. Pediatric Academic Societies (PAS) Meeting. San Francisco, CA. **05/2017**
12. Developmental Programming of Metabolism: Insight from Non-Human Primate Studies. Physiological Society Meeting. London, UK. **09/2017**
13. The Impact of Maternal Diet on Offspring Muscle Metabolism in Non-Human Primates. Symposia; Nutrient Sensing and Signaling in the Regulation of Metabolic Homeostasis. American Diabetes Association 78th Scientific Sessions. Orlando, FL. **6/2018**
14. Programming of muscle metabolism: Impact of maternal diet and phenotype. Aspen-Snowmass Perinatal Biology Symposium. **8/2019**

III. TEACHING AND MENTORING ACTIVITIES

A. CURRENT TEACHING RESPONSIBILITIES (Year/Term [F, Fall; W, Winter; S, Spring])

Responsible for * course development, lecture content/instruction & examination, or # lecture only

A.1 Undergraduate courses	(year; term)
HPHY 422/522 Physiology of Obesity (4cr)*	2014S,15F, 16S, 17S, 18F,19S, 19F, 21S, 21F, 22S
A.2 Graduate courses	
HPHY 622 Systems Physiology II (4cr)*	2015S; 2017-22 (Winter term)
HPHY 610 Signal Transduction (4cr)*	Offered every other year; 2017, 19W, 21W
A.3 Guest Lectures, ad hoc	
CHC Seminar on Medical Research#	2019W
A.4. UG Elective credits	
Global health internships, mentor	2021W, 2021S, 2022W

B. PRIOR TEACHING RESPONSIBILITIES

B. 1 Graduate courses

University of Colorado Anschutz Medical, Graduate Program in Reproductive Sciences.
RPSC 7801 Hormonal Regulation of Metabolism# 2012, 2013

University of Colorado Anschutz Medical, Graduate Program in Cell, Stem Cell and Developmental Biology
CSDV 7650 Stem Cells and Development: An Integrated Approach# 2009, 10, 11

B.2 Undergraduate courses

*Summer Fellows Endocrine Lecture Series; Glucose Homeostasis# 2010, 2013

B.3 Medical School & Fellowship Program

IDPT 6002 Digestive, Endocrine and Metabolic Systems Block# 2008
Pediatric Endocrine Fellowship Lecture Series# 2012

C. STUDENT ADVISEMENT & MENTORING

C.1 Undergraduate Students (primary research/thesis advisor for 21 undergraduates)

C.1.a Laboratory Research Experience

Student	Date	Student Dept, Role	Post-Graduate Position
M. Corrine Wilcox	2013-14	HPhy, Clark Honors College Thesis Advisor	Research Technician, Oregon Health & Science University (OHSU)
Alice Rear	2014	Biochem, Independent Project Advisor	Med Student, OHSU School of Medicine (SOM) (2014-18)
Sarah Macrorie	2014	HPhy, APS Summer Fellowship Advisor	Health care assistant
Lucas Pfeifer	2014-15	HPhy, Research Assistant	Pacific NW University of Health Sciences, Osteopathic Medical School (2016-20); Medical Fellowship @ Santa Barbara Cottage Hospital (2020-)
Mai'ana Feurborn	2013-16	HPhy, Physiology Honors Thesis Advisor	Med Student, Medical College of Wisconsin (2018-22)
Adrian Huffard	2014-16	Bio, Biology Honors Thesis Advisor	Med Student, Indiana University SOM (2017-21)
Will Campodonico-Burnett	2015-17	Biochem, Research Assistant	Grad Student, University of Colorado Boulder, Biochemistry (2017- present)
Jai McQuilla	2015 Su	SPUR ^b Summer Fellowship Advisor	Med Student, University of South Carolina SOM (2016-20)
Adetokunbo Martins	2016 Su	SPUR Summer Fellowship Advisor	Chemistry teacher, John Dewey High School, NY
Sam Bell	2016-17	Gen Science, Research Assistant	Med Student, University of Hawaii SOM (2018-22)
Jade Young	2015-17	HPhy, Clark Honors College Thesis Advisor	Med Student, OHSU SOM (2019-23)
Julia Fischer	2016-17	HPhy, Clark Honors College Thesis Advisor	

Shawn Melendy	2016-19	Biochem, Research Asst.	
Maurisa Rapp	2018-21	HPhy, Clark Honors College Thesis Advisor	
Tysen Lang	2019-21	HPhy, Research Asst.	
Hunter Baylock	2019-21	HPhy, Honors Thesis Advisor OURS Summer Fellowship	Research scientist, OHSU
Matthew Medved	2019-21	HPhy, Research Asst.	

^aSPUR (summer program in undergraduate research); a competitive research fellowship open to underrepresented students in STEM funded by NIH R25;

C.1.b Other Undergraduate Mentoring Roles

Student	Date	Student Dept, Role	Additional Info
Wyatt Boreman	2020-21	HPhy, Clark Honors College; Thesis Committee/2 nd reader	Thesis: Consequences of Genetic Diversity for Host Cell Adherence by the Bacterium <i>Helicobacter Pylori</i>
Casey McGuire	2020-21	HPhy, Clark Honors College, Thesis Advisor	Thesis: Relationship the gut microbiome and depressive symptoms in bariatric surgery patients.
Anna Mare	2021 W	HPhy, Global Health Studies, Internship Advisor	Field Experience; CoVID MAPS lab
Ruby Boyer	2021 Su	HPhy, Global Health Studies, Internship Advisor	Field Experience; CoVID MAPS lab
Rene HSU	2022 W	HPhy, Global Health Studies, Internship Advisor	Thesis: Asian Perceptions of Body Size and Body Image
Adriana Wisnewski	2022 W	HPhy, Honors; Thesis Committee, 2 nd reader	Thesis:

C.1.1 Undergraduate Student Awards, Mentored Fellowships & Research Grants

*research activities that contribute to **DEI**

- Sarah Macrorie (2014) Summer Research Fellowship, American Physiology Society*
- Jai McQuilla (2015) Annual Biomedical Research Conference for Minority Students Travel Award*
- Mai'ana Feurborn (2015) Undergraduate Research Opportunity Program (UROP) Mini-Grant, University of Oregon*
- Shawn Melendy (2017) Short-Term Research Education Program to Increase Diversity in Health-Related Research (STRIDE) Fellowship, American Physiology Society*
- Shawn Melendy (2018) UROP Mini-Grant, Office of the Vice President of Research, University of Oregon*
- Shawn Melendy (2018-19) **McNair Scholar Award**, University of Oregon*
- Shawn Melendy (2019) ABRCAMS Travel Award, National Center for Undergraduate Research*
- Hunter Baylock (2019) Oregon Undergraduate Researchers in SPUR Fellowship, NIH R25, University of Oregon*
- Maurisa Rapp (2020) UROP Mini-Grant, University of Oregon
- Maurisa Rapp (2020) Undergrad Thesis Research Grant, Clarks Honors College, University of Oregon
- Hunter Blaylock (2021) UROP Mini-Grant, University of Oregon

C.1.2 Undergraduate Honors Theses (Primary Advisor)

Margaret Corrine Wilcox (2014) Programming of Skeletal Muscle: The Effects of Maternal Obesity on Postnatal Mitochondrial Metabolism. Robert D. Clark Honors College; **Passed with Honors**

Adrian L. Huffard (2016) The effect of acute high fat diet on immune cell populations within visceral adipose tissue. Honors Biology.

Mai'ana Feurborn (2016) In Utero exposure to high fat diet disrupts hepatic circadian rhythms in mice. Honors Physiology.

Jade Nicole Young (2017) The effect of maternal obesity on offspring skeletal muscle circadian rhythms in mice. Robert D. Clark Honors College. **Passed with Distinction**

Julia Fisher (2017) Protecting the Pee-Pee: A comparison of robotic assisted laparoscopic prostatectomy and external beam radiation therapy for urinary and sexual function in men treated for prostate cancer. Robert D. Clark Honors College. **Passed with Distinction**

Hunter Blaylock (2021) Role of p55 PI3K subunit in Obesity-induced inflammation. Honors Physiology

Maurisa Rapp (2021) Impact of maternal obesity on mitochondrial function and oxidative damage in offspring skeletal muscle. Robert D. Clark Honors College.

Casey McGuire (2021) Relationship the gut microbiome and depressive symptoms in bariatric surgery patients. Robert D. Clark Honors College.

C.2 Graduate Students

Primary Advisor

Student	Degree, Dates	Department	Postgraduate Position
Zachary Clayton, MS	PhD, 2013 -2018	Human Physiology	Postdoctoral Fellowship, Univ. of Colorado, Boulder (Doug Seals, PhD)
Katherine Carey	MS, 2019 - 2021	Human Physiology	Graduate Program, Lyons France
Doug Foote	<i>PhD In Progress</i> , 2017-	Human Physiology	
Keenan Greyslak	MS, 2016-18 <i>PhD In Progress</i> , 2018-	Human Physiology	
Neeke Bayat-Barooni	<i>PhD In Progress</i> , 2019-	Human Physiology	
Matthew Butcher	<i>PhD In Progress</i> , 2020-	Human Physiology	

C.2.1 Graduate Student Awards & Fellowships

- Blair Conner (2015) Mead Johnson Research Award, APS Endocrinology & Metabolism Section
- Zachary Clayton, MS (2015) Finalist, Campbell Poster Award, APS Endocrinology & Metabolism Section
- Zachary Clayton, MS (2016) Food Studies Research Award, University of Oregon; \$250 award
- Zachary Clayton, MS (2016-17) Evonuk Memorial Graduate Student Fellowship; \$5000 research funds
- Nelson Ugobor (2016-17) UO CAS First Year Fellow*, University of Oregon; \$7500 summer stipend
- Neeke Bayat-Barooni (2019) Promising Scholars Award*, University of Oregon; \$5000 award
- Keenan Greyslak (2020) Shapiro Scholarship, Department of Human Physiology; \$250 award
- Matthew Butcher (2020-21) UO CAS First Year Fellow*, University of Oregon; \$7500 summer stipend
- Keenan Greyslak, MS (2021-22) Evonuk Memorial Graduate Student Fellowship; \$10,000 research funds

C.2.2 Master Thesis

Keenan Greyslak (Fall 2018): Persistent effect of a maternal western-style diet on skeletal muscle oxidative metabolism in lean juvenile offspring of nonhuman primates.

Katherine Carey (Spring 2021): The impact of maternal western-style diet and obesity on skeletal muscle offspring autophagy pathways.

C.2.3 Doctoral Dissertation

Zachary Clayton (Spring 2018): Role of adipocyte Pik3r1 expression on regulation of systemic insulin sensitivity.

C.2.4 Graduate Students; Exam and Advisory Committees

Student	Department/Institute	Committee (Term)
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Christopher Banek	Human Physiology	PhD Dissertation Defense (S2014)
Haley Gillham	Human Physiology	MS Thesis (S2014)
Brett R. Ely	Human Physiology	PhD Comprehensive Exam (F2014), Dissertation Proposal (W2015), Dissertation Defense Exam (S2018)
Alex De Verteuil	IE2 ^a	PhD Dissertation Advisory Committee (S2015- 2019), Dissertation Defense (S2020)
Austin Hocker, MS	Human Physiology	PhD Comprehensive Exam (W2017), Dissertation Proposal (F2018), Dissertation Defense (Su2019)
Michael Francisco	Human Physiology	PhD Comprehensive Exam (F2017)
Janelle Stevenson	IMB ^b	PhD Dissertation Advisory Committee (F2017- present)
Krystal Oon	IMB	PhD Dissertation Advisory Committee (F2017- 2020) Dissertation Defense (S2020)
Kate Christian	Human Physiology	MS Proposal (S2018), Thesis defense (Su2018)
Sarah Beyeler	ION ^c	PhD Dissertation Advisory Committee (F2018- present)
Doug Foote	Human Physiology	PhD Comprehensive Exam (S2019)
Geoff Dunn	Human Physiology	PhD Comprehensive Exam (F2019), Dissertation Proposal Exam (S2019), Advisory Committee (S2019-present)
Rachel Richardson	Bioinformatics Program	MS (2018-19), Project Advisor
Mitchell Rezzonico	Bioinformatics Program	MS (2018-19), Project Advisor
Alex Ostrovsky	Bioinformatics Program	MS (2018-19), Project Advisor
Elizabeth Vargas	IMB	PhD Dissertation Advisory Committee (F2019- present)
Aaron Betts	Human Physiology	PhD Dissertation Advisory Committee (F2019- present)
Emily Reeve	Human Physiology	PhD Comprehensive Exam (F2021),
Mackenzie Kehemeier	Human Physiology	

^aIE2, Institute of Evolution & Ecology; ^bIMB, Institute of Molecular Biology; ^cION, Institute of Neuroscience

C.3 Postdoctoral & Medical Fellowship

C.3.1 Primary Advisor

Quassin B. Joo, PhD. (8/2017-8/2018) Project: *Pik3r1 and Adipocyte Inflammatory Signaling*. Current Position: Faculty; Dept. of Molecular Biology, University of New Mexico (2018-present)

C.3.2 Advisory Committee

Fellows	Date	Institution	Role
Susan Soto, MD	2009-11	University of Colorado Anschutz Medical Campus	Peds/Neonatology Fellowship Advisory Committee
Jason Wright, MD	2011-13	University of Colorado Anschutz Medical Campus	Peds/Neonatology Fellowship Advisory Committee
David Wolf, MD	2011-13	University of Colorado Anschutz Medical Campus	Peds/Neonatology Fellowship Advisory Committee
Ann Downey, MD	2011-13	University of Colorado Anschutz Medical Campus	Peds/Neonatology Fellowship Advisory Committee
Emily Beck, PhD	2019-20	University of Oregon, Biology	NIH K99 Fellowship Mentorship Committee
Jane Stremming, MD	2021-	University of Colorado Anschutz Medical Campus	NIH K12 Fellowship Mentorship Committee