

CURRICULUM VITAE (Updated July 2022)



Mousumi Bose, Assistant Professor
Montclair State University
Department of Nutrition and Food Studies
College of Education and Human Services
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EDUCATION

Degree	Institution	Date	Major
Ph.D	Rutgers University	October 2007	Nutritional Sciences
B.S.	University of Maryland	May 1999	Physiology/Neurobiology

PROFESSIONAL EXPERIENCE

2016-present	Assistant Professor, Department of Nutrition and Food Studies Montclair State University Montclair, NJ Research projects <ul style="list-style-type: none">Emotional experiences of caregivers of individuals with rare diseasePatient-focused drug development in rare diseaseCaregiver-reported outcomes in individuals with rare diseaseDietary assessment in individuals with peroxisomal disorders
2013-2016	Adjunct Professor, Department of Health and Nutrition Science Montclair State University Montclair, NJ
2007-2010	Postdoctoral Fellow, New York Obesity Nutrition Research Center St. Luke's Roosevelt Hospital Center Columbia University College of Physicians and Surgeons New York, NY Mentor: Blandine Laferrère, M.D. Project: Gastrointestinal hormone changes after weight loss
2003-2007	Graduate Fellow, Department of Nutritional Sciences Rutgers, The State University of New Jersey New Brunswick, NJ Mentor: C.S. Yang, Ph.D. Projects: <ul style="list-style-type: none">Effect of epigallocatechin-gallate on the development of obesity and diabetes in a rodent model

- Effect of epigallocatechin-gallate and omega-3 polyunsaturated fatty acids in colon cancer prevention in a transgenic rodent model

1999-2002

Laboratory Research Technician, Radiation Oncology
University of Maryland

Baltimore, MD

Supervisor: William F. Morgan, Ph.D.

Projects:

- Intensity-modulated radiation therapy vs. conventional radiotherapy in an *in vitro* model
- The protective effect of sphingosine 1-phosphate on genomic stability in offspring of irradiated mice
- The effects of low doses of ionizing radiation on genomic instability in the transgenic heterozygous Nbs1 mouse

1998-1999

Undergraduate Research Assistant, Diving Physiology

Naval Medical Research Institute

Bethesda, MD

Supervisor: Suzan Nadi, Ph.D.

Project: The role of Neuropeptide Y in epileptic and hypoxia-induced seizures

TEACHING

Montclair State University

MS Thesis committee member

Student Name: Ilana Dubrovsky-Razam

Title of Thesis: Calcium Intake Among Parents and Caregivers of Children with a Milk Allergy or Intolerance:
A Comparative Analysis

Expected defense date: May 2022

Student Name: Rory Coleman

Title of Thesis – Benefits of a Nutrition Education Program in Developmentally Disabled Adults

Date defended – 12.08.2017

Student Name: Kelsey Gatto

Title of Thesis – Weight Loss Apps: Behavioral and Psychological Factors Related to Usage and Success

Date defended – 4.27.2016

Courses

NUFD 153 – Dynamics of Food and Society

NUFD182 – Nutrition: A Socioecological Perspective

NUFD 285 – Nutrition and Chronic Disease Prevention

NUFD 390 – Planning and Evaluating Programs

NUFD 395 – Nutrition Assessment for Populations

NUFD 381 – Applied Nutrition in the Lifecycle

NUFD 382 – Advanced Nutrition

NUFD 501 – Principles of Nutrition

NUFD 506 – Research and Evaluation in Nutrition and Food Science

NUFD 580 – Current Applications in Nutrition

Rutgers University

Courses

BIOLOGY 101 – General Biology I (TA)

BIOLOGY 102 – General Biology II (TA)

Peer-reviewed journal publications

Bose M, Yergeau C, D'Souza Y, Cuthbertson DD, Lopez MJ, Smolen AK, Braverman NE. Characterization of severity in Zellweger spectrum disorder by clinical findings: a scoping review, meta-analysis and medical chart review. *Cells*. 2022 Jun 10;11(12):1891. doi: 10.3390/cells11121891. PMID: 35741019.

Bose M, Rouillet JB, Gibson KM, Rizzo WB, Mansur HM, McConnell A, Hoffman CA, DiBacco ML, Pearl PL. Development of a quality-of-life survey for patients with succinic semialdehyde dehydrogenase deficiency, a rare disorder of GABA metabolism. *J Child Neurol*. 2021 Nov;36(13-14):1223-1230. doi: 10.1177/08830738211028388. PMID: 34463169.

Bose M, Cuthbertson DD, Fraser MA, Rouillet JB, Gibson KM, Schules DR, Gawron KM, Gamble MB, Sacra KM, Lopez MJ, Rizzo WB. Zellweger spectrum disorder: A cross-sectional study of symptom prevalence using input from family caregivers. *Mol Genet Metab Rep*. 2020 Dec 10;25:100694. doi: 10.1016/j.ymgmr.2020.100694. PMID: 33335840

Bose M, Mahadevan M, Schules DR, Coleman RK, Gawron KM, Gamble MB, Rouillet JB, Gibson KM, Rizzo WB. Emotional experience in parents of children with Zellweger spectrum disorders: A qualitative study. *Mol Genet Metab Rep*. 2019; 19:100459. doi: 10.1016/j.ymgmr.2019.100459. PMID: 30815361.

Dinour LM, Szaro J, Blumberg R, **Bose M**. A Convergent Mixed-Methods Exploration of the Effects of Community-Engaged Coursework on Graduate Student Learning. *J Nutr Educ Behav*. 2018; 50(6):598-609; doi: 10.1016/j.jneb.2018.01.019. PMID: 29523486

Wangler MF, Hubert L, Donti TR, Ventura MJ, Miller MJ, Braverman N, Gawron K, **Bose M**, Moser AB, Jones RO, Rizzo WB, Sutton VR, Sun Q, Kennedy AD, Elsea SH. A metabolomic map of Zellweger spectrum disorders reveals novel disease biomarkers. *Genet Med*. 2018 Oct;20(10):1274-1283. doi: 10.1038/gim.2017.262. PMID: 29419819.

Braverman NE, Raymond GV, Rizzo WB, Moser AB, Wilkinson ME, Stone EM, Steinberg SJ, Wangler MF, Hacia JG, **Bose M**. Peroxisome biogenesis disorders in the Zellweger spectrum: an overview of current diagnosis, clinical manifestations, and treatment guidelines. *Mol Genet Metab*. 2016;117(3):313-21. doi: 10.1016/j.ymgme.2015.12.009. PMID: 26750748

Laferrère B, Reilly D, Arias S, Swerdlow N, Gorroochurn P, Bawa B, **Bose M**, Teixeira J, Stevens RD, Wenner BR, Bain JR, Muehlbauer MJ, Haqq A, Lien L, Shah SH, Svetkey LP, Newgard CB. Differential metabolic impact of gastric bypass surgery versus dietary intervention in obese diabetic subjects despite identical weight loss. *Sci Transl Med* 2011; 3(80): 80re2. doi: 10.1126/scitranslmed.3002043. PMID: 20057364.

Alam ML, Van der Schueren BJ, Ahren B, Wang GC, Swerdlow NJ, Arias S, **Bose M**, Gorroochurn P, Teixeira J, McGinty J, Laferrère B. Gastric bypass surgery, but not caloric restriction, decreases dipeptidyl peptidase-4 activity in obese patients with type 2 diabetes. *Diabetes Obes Metab* 2011; 13(4): 378-81. doi: 10.1111/j.1463-1326.2011.01358.x. PMID: 21210936.

Laferrère B, Swerdlow N, Bawa B, Arias S, **Bose M**, Oliván B, Teixeira J, McGinty J, Rother KI. Rise of Oxyntomodulin in Response to Oral Glucose after Gastric Bypass Surgery in Patients with Type 2 Diabetes. *J Clin Endocrinol Metab* 2010; 95(8):4072-6. doi: 10.1210/jc.2009-2767. PMID: 20501690.

Bose M, Machineni S, Oliván B, Teixeira J, McGinty JJ, Bawa B, Koshy N, Colarusso A, Laferrère B. Superior Appetite Hormone Profile After Equivalent Weight Loss by Gastric Bypass Compared to Gastric Banding. *Obesity* 2010; 18(6):1085-91. doi: 10.1038/oby.2009.473. PMID: 20057364.

Bose M, Teixeira J, Oliván B, Scherer, PE, Pi-Sunyer, FX, Bawa B, Laferrère B. Weight loss and incretin responsiveness improve glucose control independently after gastric bypass surgery. *Journal of Diabetes* 2010; 2(1): 47-55. doi: 10.1111/j.1753-0407.2009.00064.x. PMID: 20676394.

Bose M, Oliván B, Laferrère B. Stress and obesity: The role of the hypothalamic-pituitary-adrenal (HPA) axis in metabolic disease. *Curr Opin Endocrinol Diab.* 2009; 16(5):340-6. doi: 10.1097/MED.ob013e32832fa137PMID: 19584720

Oliván B, Teixeira J, **Bose M**, Bawa B, Chang T, Summe H, Lee H, Laferrère B. Effect of weight loss by diet or gastric bypass surgery on peptide YY3-36 levels. *Ann Surg.* 2009; 249(6): 948-53. doi: 10.1097/SLA.ob013e3181a6cdbo. PMID: 19474685

Bose M, Oliván B, Teixeira J, Pi-Sunyer FX, Laferrère B. Do incretins play a role in the remission of type 2 diabetes after gastric bypass surgery: what are the evidence? *Obes Surg* 2009; 19(2):217-29. doi: 10.1007/s11695-008-9696-3. PMID: 18820978

Ju J, Nolan B, Cheh M, **Bose M**, Lin Y, Wagner GC, Yang CS. Voluntary exercise inhibits intestinal tumorigenesis in *Apc^{Min/+}* mice and azoxymethane/dextran sulfate sodium-treated mice. *BMC Cancer*, 2008; 8(1):316. doi: 10.1186/1471-2407-8-316. PMID: 18976499.

Bose M, Lambert JD, Ju J, Reuhl KR, Shapses SA, Yang CS. The major green tea polyphenol, (-)-epigallocatechin-3-gallate, inhibits obesity, metabolic syndrome, and fatty liver disease in high-fat fed mice. *J Nutr*, 2008; 138(9):1677-83. PMID: 18716169

Lambert JD, Kwon SJ, Ju J, **Bose M**, Lee MJ, Hong J, Hao X, Yang CS. Effect of genistein on the bioavailability and intestinal cancer chemopreventive activity of (-)-epigallocatechin-3-gallate. *Carcinogenesis.* 2008; 29(10):2019-24. PMID: 18684728

Bose M, Hao X, Ju J, Husain A, Park S, Lambert JD, Yang CS. Inhibition of tumorigenesis in *Apc^{Min/+}* mice by a combination of (-)-epigallocatechin-3-gallate and fish oil. *J Agri Food Chem*, 2007; 55 (19): 7695–7700. PMID: 17696481

Hao X*, **Bose M***, Lambert JD, Ju J, Lee M-J, Park S, Husain A, Wang S, Sun Y, Yang CS. Inhibition of Tumorigenesis in *Apc^{Min/+}* Mice by Green Tea Polyphenols (Polyphenon E) and Individual Catechins. *Nutr Cancer*, 2008; 59(1): 62-69. PMID: 17927503

*Both authors contributed equally to this manuscript

Sang S, Ju J, Lambert JD, Lin Y, Hong J, **Bose M**, Wang S, Bai N, He K, Reddy BS, Ho CT, Li F, Yang CS. Wheat Bran Oil and Its Fractions Inhibit Human Colon Cancer Cell Growth and Intestinal Tumorigenesis in *Apc(min/+)* Mice. *J Agric Food Chem.* 2006;54(26):9792-9797. PMID: 17177503

Lambert JD, Lee MJ, Diamond L, Ju J, Hong J, **Bose M**, Newmark HL, Yang CS. Dose-dependent Levels of Epigallocatechin-3-gallate in Human Colon Cancer Cells and Mouse Plasma and Tissues. *Drug Metabol. Disp.* 2006; 34(1):8-11. PMID: 16204466

Ju J, Hong J, Zhou, J-N, Pan Z, **Bose M**, Liao J, Yang G-Y, Liu Y-Y, Hou Z, Lin Y, Ma J, Shih WJ, Carothers AM, Yang CS. Inhibition of intestinal tumorigenesis in *Apc*^{Min/+} mice by (-)-epigallocatechin-3-gallate, the major catechin in green tea. *Cancer Res.* 2005; 65(22): 10623-31. PMID: 16288056

Hong J, **Bose M**, Ju J, Ryu JH, Chen X, Sang S, Lee MJ, Yang CS. Modulation of arachidonic acid metabolism by curcumin and related beta-diketone derivatives: effects on cytosolic phospholipase A(2), cyclooxygenases and 5-lipoxygenase. *Carcinogenesis.* 2004 Sep;25(9):1671-9. PMID: 15073046

Paris F, Perez GI, Fuks Z, Haimovitz-Friedman A, Nguyen H, **Bose M**, Ilagan A, Hunt PA, Morgan WF, Tilly JL, Kolesnick R. Sphingosine 1-phosphate preserves fertility in irradiated female mice without propagating genomic damage in offspring. *Nat Med* 2002 Nov;8(11):1329. PMID: 12205432

Selected Peer-Reviewed Abstracts/Scholarly Conferences

Bose M, Roulet JB, Gibson KM, Rizzo WB, Mansur HI, McConnell A, Hoffman CA, DiBacco ML, Pearl PL. Development of a quality-of-life survey for patients with succinic semialdehyde dehydrogenase deficiency, a rare disorder of GABA metabolism. *Oral presentation at the 2020 Virtual SSADHD Conference*

Bose M, Cuthbertson D, Gawron KM, Schules DR, Gamble MB, Sacra KM, Roulet JB, Gibson KM, Rizzo WB. STAIR Update: ZSD Symptom Inventory. *Oral presentation at the 2019 Global Foundation for Peroxisomal Disorders Annual Scientific Conference.*

Bose M, Mahadevan M, Coleman RK, Gawron KM, Gamble MB, Roulet J-B, Gibson KM, Rizzo WB. Emotional experience in parents of children with Zellweger spectrum disorders: A qualitative study. *Poster presentation at the 2019 Global Foundation for Peroxisomal Disorders Annual Scientific Conference.*

Bose M, Mahadevan M, Coleman RK, Gawron KM, Gamble MB, Roulet J-B, Gibson KM, Rizzo WB. Emotional experience in parents of children with Zellweger spectrum disorders: A qualitative study. *Poster presentation at the 2018 Conference for Clinical Research in Rare Diseases.*

Donti TR, Wangler MF, Miller MJ, Braverman NE, Moser AB, **Bose M**, Rizzo WB, Kennedy AD, Sutton VR, Sun Q, Elsea SH. Untargeted small molecule metabolomic profiling in mild cases of Zellweger spectrum disorders reveals new diagnostic biomarkers. *Presented at Society for Inherited Metabolic Disorders 2016 Annual Meeting.*

Mahadevan M, **Bose M**. Factors Influencing the Chronic Disease Management Behaviors of Bangladeshi Muslim Women in an Inner-City Minority Neighborhood. *Presented at the American Public Health Association 2014 Annual Meeting*

Bose M, Oliván B, Teixeira JA, McGinty JJ, Bawa B, Laferrère B. Better appetite-related hormone profile after equivalent weight loss by gastric bypass surgery or gastric banding. *Oral abstract presentation at The Obesity Society 2009 Annual Meeting.*

Bose M, Oliván B, Teixeira JA, McGinty JJ, Colarusso A, Kovacs BL, Bawa B, Chang T, Summe HS, Laferrère B. Changes in ghrelin levels after equivalent weight loss by gastric bypass, gastric banding or diet. *Oral abstract presentation at The Obesity Society 2008 Annual Meeting.*

Bose M, Oliván B, Teixeira JA, McGinty JJ, Colarusso A, Kovacs BL, Bawa B, Summe HS, Chang T, Laferrère B. Gastric bypass surgery improves post-prandial glucose and increases incretin levels more than diet-induced weight loss in patients with type 2 diabetes. *Presented at the 2008 American Diabetes Association Annual Scientific Meeting.*

Bose M, Hao X, Ju J, Husain A, Park S, Yang CS. Inhibition of intestinal tumorigenesis in *Apc*^{Min/+} mice by a combination of (-)-epigallocatechin-3-gallate (EGCG) with fish oil or calcium. *Presented at the 2006 American Association for Cancer Research Annual Meeting*.

Bose M, Ju J, Husain A, Park S, Hou Z, Lambert JD, Newmark HL, Yang CS. Inhibition of tumor multiplicity in *Apc*^{Min/+} mice by supplementation of 10 vitamins and minerals. *Presented at the 2005 Cancer Institute of New Jersey Annual Retreat*.

Peer-reviewed public scholarship

Bose M, Tokarewich L, Bratches RWR, Barr PJ. Caregiving in a Diverse America: Beginning to Understand the Systemic Challenges Facing Family Caregivers. Washington, D.C.: National Alliance for Caregiving. November 2021 <https://www.caregiving.org/caregiving-in-a-diverse-america-beginning-to-understand-the-systemic-challenges-facing-family-caregivers/>

Bose M, Haugstad K, Smith T. The Circle of Care Guidebook for Caregivers of Children with Rare and/or Serious Illnesses. Published by the National Alliance for Caregiving and Global Genes. August 2021. <https://www.caregiving.org/guidebook-for-caregivers-of-children-with-rare-serious-illnesses/>

McCleary KK, Whiting CG, Kremer I, **Bose M**, Kennedy A, Lappin D, Wong S. Paving the path for family-centered design: a national report on family caregiver roles in medical product development. Published by the National Alliance for Caregiving. May 2019. https://www.caregiving.org/wp-content/uploads/2019/05/NAC_LEAD-Coalition_Paving-the-Path_Report_May-2019.pdf

Other scholarly contributions

Bose M. Zellweger spectrum disorders – Video. Content expert. Rare Disease Video Library. National Organization for Rare Disorders Rare Disease Data Database. 2021. <https://rarediseases.org/videos/zellweger-spectrum-disorders/>

Bose M, Steinberg SJ. Zellweger spectrum disorders. Entry included in National Organization for Rare Disorders Rare Disease Data Database, 2015, updated 2020. <https://rarediseases.org/rare-diseases/zellweger-spectrum-disorders/>

Bose M. Lipoprotein lipase. In: Keller K, ed. The Encyclopedia of Obesity. New York, NY: Golson Books, 2008:428-429.

Scholarship in progress

Bose M. Anglade TC, Donlon CI, Mansur HM, Smith TM, Ritchie SA. Concept elicitation for quality of life in rhizomelic chondrodysplasia punctata: an analysis of input from family caregivers. *Manuscript in preparation*.

Bose M. Yergeau C, D'Souza Y, Lopez MJ, Braverman NE. Determination of severity in Zellweger spectrum disorders by clinical symptoms: a scoping review. *Manuscript in preparation*.

GRANTS AND RESEARCH SUPPORT

Award - \$25,078.00

Source – Global Foundation for Peroxisomal Disorders

Date – January 2022 – August 2022

Role – PI for proposal entitled “Dietary assessment in Zellweger spectrum disorder – Phase 2”

Funding status – FUNDED

Award - \$24,659.00

Source – Speragen, Inc.

Date – January 2022 – August 2022

Role – Consultant for Patient-Focused Drug Development in Succinic Semialdehyde Dehydrogenase Deficiency

Funding status – FUNDED

Award - Summer salary support 2021

Source – National Alliance for Caregiving

Date – July 2021– August 2021

Role – Consultant for National Policy Report: Caregiving in a Diverse America

Funding status - FUNDED

Award - \$5,250.00

Source – National Alliance for Caregiving

Date – September 2020 – February 2021

Role – Consultant for Circle of Care Guidebook for Caregivers of Children with Rare/Serious Illnesses

Funding status - FUNDED

Award - \$40,216.00

Source – Global Foundation for Peroxisomal Disorders

Date – January 2020 – August 2021

Role – PI for proposal entitled “Dietary assessment in Zellweger spectrum disorder”

Funding status – FUNDED

Award - \$275,000

Source – National Institute of Deafness and Communication Disorders (NIH)

Date – July 2020 – June 2022

Role – PI for proposal entitled “Evaluation of Needs for a Family-Centered Medical Curriculum on Rare Communication Disorders for Improved Patient Outcomes”

Funding status – NOT FUNDED

Award - \$6,000.00

Source – American Association for University Women

Date – July 2019 – August 2019

Role – PI for Short-term Research Publication Grant

Funding status - FUNDED

Award – 5% salary support for 5 years

Source – National Institute of Child Health and Human Development (NIH)

Date – September 2019 – August 2024

Role – Consultant for Sterol and Isoprenoid Research Consortium

Funding status – NOT FUNDED

Award – 5% salary support for 5 years

Source – National Center for Advancing Translational Sciences (NIH)

Date – September 2019 – August 2024

Role – Consultant for Peroxisome Disorders Consortium

Funding status – NOT FUNDED

Award – Summer salary and project support

Source – Medlife Discoveries, LLC

Date – June 2018 – December 2021

Role – Consultant for Rhizomelic Chondrodysplasia Punctata Quality of Life Survey Development

Funding Status - FUNDED

Award – \$15,000.00

Source – Global Genes

Date – January 2017 – December 2018

Role – PI for Zellweger Spectrum Disorder Focus Group Project

Funding status –FUNDED

Award – 37% salary support for 2 years (\$125,356.00)

Source – University of Nebraska Medical Center (subaward through NIH)

Date – September 2016 – August 2018

Role – Trainee, Sterol and Isoprenoid Research Consortium

Funding status –FUNDED

SCHOLARLY PRESENTATIONS

Keynote Conference Presentations

November 2018 “The Family Caregiver's Role in Patient-Focused Medical Product Development: A Family Caregiver Perspective”
Opening Keynote Address
2018 National Summit on the Family Caregiver's Role in Patient-Focused Medical Product Development.
National Alliance for Caregiving
Washington, DC

Invited Conference Presentations

July 2020 “Development of a quality-of-life survey for patients with succinic semialdehyde dehydrogenase deficiency, a rare disorder of GABA metabolism.”
Invited Presentation
2020 Virtual SSADHD Conference
Boston Children’s Hospital/ SSADH Association

November 2019 “Understanding Caregivers as Members of the Care Team: Caregivers of Children with Rare Diseases”
Invited Presentation
2019 Bridging Policy Research Gaps in Caregiving Services and Supports Meeting
National Alliance for Caregiving/ University of Texas Austin

September 2019 “STAIR Update: ZSD Symptom Inventory”
Invited Presentation
2019 Zellweger UK Scientific and Family Conference
Okehampton, United Kingdom

August 2019 “STAIR Update: ZSD Symptom Inventory”
Invited Presentation
2019 Global Foundation for Peroxisomal Disorders Family and Scientific Conference
Washington DC

- August 2019 “Research Update: ZSD Focus Group Study”
Invited Presentation
2019 Global Foundation for Peroxisomal Disorders Family and Scientific Conference
- October 2018 “Understanding the Emotional Health of Rare Disease Families”
Invited Presentation
2018 Global Genes Annual Summit
Irvine, CA
- May 2017 “Start With the End in Mind: Designing and Funding Natural History Studies”
Invited presentation
2017 Global Genes Rare Patient Symposium
Philadelphia, PA
- September 2016 “Natural History Studies in Rare Disease: The Role of the Patient Advocate”
Invited presentation
2016 Global Genes Patient Advocacy Summit
Huntington Beach, CA

Invited Hospital Grand Round Lectures

- November 2020 “Community-Based Approaches to Understanding the Impact of Rare Pediatric Diseases”
Invited Presentation
St. Barnabas Medical Center Pediatrics Grand Round Lecture Series
Livingston, NJ
- December 2019 “Community-Based Approaches to Understanding the Impact of Rare Pediatric Diseases”
Invited Presentation
Newark Beth Israel Medical Center Pediatrics Grand Round Lecture Series
Newark, NJ
- November 2019 “Community-Based Approaches to Understanding the Impact of Rare Pediatric Diseases”
Invited Presentation
University of Texas Southwestern Medical Center Pediatrics Grand Round Lecture Series
Dallas, TX

Other invited presentations

- December 2021 Family Caregiving in Diverse Communities: Addressing the Needs of Diverse Family
Caregivers for Older Adults
Invited Speaker for Congressional Briefing
<https://youtu.be/EVvyMKA1FAM>
- March 2021 “Caregiver-Reported Outcomes in Rare Pediatric Diseases”
Invited Presentation
24 Hours of Rare: A Global Celebration of Rare Disease Day
My City Med Events
- April 2019 “RARE Webinar: Poster Presentation Workshop”
Global Genes
- February 2019 “Understanding Rare Disease: Learning Through Listening”

Invited Presentation
2019 McGill Medical School Rare Disease Day
McGill Medical School Rare Disease Interest Group
<https://www.youtube.com/watch?v=xpmTNjO3JyM>

- February 2018 “The caregiver experience in Zellweger spectrum disorders (ZSD): A qualitative study”
Invited presentation
Rare Diseases Clinical Research Network Training Committee Meeting
- September 2017 “The Rare Disease Organization as a Researcher: Understanding IRB approval for Natural History Studies”
Invited Presentation
2017 Global Genes Patient Advocacy Summit
- September 2016 “Zellweger Spectrum Disorders: A Parent’s Perspective”
Invited lecture
University of Southern California
Keck School of Medicine Genetics Interest Group

AWARDS AND RECOGNITION

- 2018 **Gillian Maclean Young Investigator Award**, Global Foundation for Peroxisomal Disorders
- 2016-2017 **Rare Disease Clinical Research Network Scholars Program**
- 2008-2010 **National Institutes of Health Loan Repayment Program** for proposal entitled *Mechanisms of Diabetes Control After Bariatric Surgery*
- 2007-2010 **National Institutes of Health Ruth L. Kirschstein National Research Service Award** for postdoctoral training under Blandine Laferrère, MD (3-year salary support)
- 2008 **Travel Grant** for participation in The Obesity Society 2009 Annual Meeting (\$500)
- 2008 **Travel Grant** for participation in The Obesity Society 2008 Annual Meeting (\$500)
- 2007 **Travel Award** for participation in the scientific poster session at Fourth International Scientific Symposium on Tea & Human Health (\$500)
- 2007 **Scientific Poster Session 3rd Place Award** for poster entitled *The major green tea polyphenol, (-)-epigallocatechin-3-gallate, inhibits obesity, metabolic syndrome, and fatty liver disease in high-fat fed mice*. Presented at the Fourth International Scientific Symposium on Tea & Human Health
- 2005-2007 **New Jersey Commission for Cancer Research Predoctoral Fellowship Award** for proposal entitled *EGCG and omega-3 PUFA in Colon Cancer Prevention* (2-year stipend)
- 2007 **Science Communication Award—Graduate Division** for research poster entitled *Inhibition of obesity and related pathologies by (-)-epigallocatechin-3-gallate (EGCG) in high-fat fed mice*. Presented at the 14th Annual Rutgers’ Cook College and New Jersey Agricultural Experiment Station Awards Dinner

- 2006 **New Jersey Cancer Research Award for Scientific Excellence** for abstract entitled *Inhibition of intestinal tumorigenesis in Apc^{Min/+} mice by a combination of (-)-epigallocatechin-3-gallate (EGCG) with fish oil or calcium*. Awarded by New Jersey Commission for Cancer Research at the 2006 Cancer Institute of New Jersey Annual Retreat
- 2006 **Science Communication Award—Graduate Division** for research poster entitled *Inhibition of intestinal tumorigenesis in Apc^{Min/+} mice by a combination of (-)-epigallocatechin-3-gallate (EGCG) with fish oil or calcium*. Presented at the 13th Annual Rutgers’ Cook College and New Jersey Agricultural Experiment Station Awards Dinner
- 2005 **New Jersey Cancer Research Award for Scientific Excellence** for abstract entitled *Inhibition of tumor multiplicity in Apc^{Min/+} mice by supplementation of 10 vitamins and minerals*. Awarded by New Jersey Commission for Cancer Research at the 2005 Cancer Institute of New Jersey Annual Retreat

PROFESSIONAL, PUBLIC, AND UNIVERSITY SERVICE

University Service

University-based Service

2019-present Academic Assessment Committee

College-based Service

2017 – 2019 College of Education and Human Services Convocation Committee

2016 – 2017 ADP Center for Learning Technologies Advisory Board

Department-based Service

2017 – present Graduate Program Committee

2016 – present Nutrition and Food Studies Student Awards Committee

2016 – 2018 Accelerated Bachelor’s/Master’s Curriculum Committee

External Service

2021 – present Medical and Scientific Committee Member, SSADH Association

2021 Manuscript Reviewer, *American Journal of Medical Genetics Part A*

2020-Present Diversity Committee, Global Foundation for Peroxisomal Disorders

2020 Manuscript Reviewer, *Journal of Nutritional Biochemistry*

2019 Manuscript Reviewer, *JIMD Reports*

2019 Manuscript reviewer, *BMJ Open*

2019 – present Medical Scientific Advisory Board Member, Global DARE Foundation

2018 – present Scientific Advisory Board Member, Global Foundation for Peroxisomal Disorders

2018 – 2019 Chair, Scientific Advisory Board Global Foundation for Peroxisomal Disorders

2018 Manuscript reviewer, *Journal of Inherited Metabolic Disorders*

2017-2018 Summit Planning Committee Member, Global Genes

2017 Committee Advisor for Rare Disease Caregiver Survey, National Alliance for Caregiving

2017 Manuscript reviewer, *Clinical Genetics*

2016 Consultant, Retrophin, Inc., Zellweger Spectrum Disorder Patient Advisory Board

2016 Manuscript reviewer, *Ecology of Food and Nutrition*

2012-2017 Board of Directors, Medical and Scientific Research Liaison
The Global Foundation for Peroxisomal Disorders