

Claudio Esteban Pérez Leighton

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EDUCATION

2012 Ph.D. in Neuroscience

University of Minnesota, Minneapolis, MN, USA

Dissertation Title: "Role of the orexin peptides in individual sensitivity to diet-induced obesity"

Dissertation Supervisor: Catherine M. Kotz, Ph.D.

2005 B.S. in Biochemistry

Pontificia Universidad Católica de Chile, Santiago, Chile

Faculty of Biological Sciences

Thesis Title: "Role of transcription factor GATA3 in the regulation of urocortin gene"

Thesis Supervisor: Katia Gysling, Ph.D.

PROFESSIONAL APPOINTMENTS

2018 – 2019 Assistant Professor - Tenure Track

Pontificia Universidad Católica de Chile, Santiago, Chile.

Faculty of Biological Sciences

2013 – 2017 Assistant Professor - Tenure Track

Universidad Andres Bello, Santiago, Chile.

School of Medicine

2015 – 2017 Adjunct Assistant Professor

University of Minnesota, Saint Paul, MN, USA.

Department of Food Science and Nutrition

2012 – 2013 Postdoctoral Research Associate

University of Minnesota

Minnesota Obesity Center

Supervisor: Charles J. Billington

DISTINCTIONS AND AWARDS

2017 Article Selected for Obesity Journal Symposium at Obesity Week

2011 – 2012 University of Minnesota Doctoral Dissertation Fellowship

2006 – 2012 Fulbright Scholarship for Graduate Studies in USA

RESEARCH SUPPORT

GOVERNMENT

2020 – 2023 FONDECYT Regular 1200578. Role of orexin and opioid dynorphin peptides in food intake and obesity. (PI: Perez-Leighton).

- 2020 – 2023 FONDECYT Regular 1200499. High fat diet and autophagy: factors affecting insulin-dependent neuronal glucose uptake. (PI: Morselli. Co-PI: Perez-Leighton)
- 2017 – 2020 NIH-NINDS USA R21NS099468-01A1. Pre-clinical model for sleep deprivation-induced obesity and hedonic intake due to noise exposure (PI: Jennifer Teske, University of Arizona, Consultant: Perez-Leighton).
- 2015 – 2019 FONDECYT Regular 1150274. Role of orexin and non-opioid dynorphin peptides in energy balance and individual susceptibility to obesity. (PI: Perez-Leighton)
- 2016 – 2019 FONDECYT Regular 1160820. Saturated fatty acids activate the fatty acid receptor GPR40: implication in autophagy, inflammation and insulin sensitivity (PI: E. Morselli, Co-I: Perez-Leighton).
- 2013 – 2015 FONDECYT PAI 82310017. 82310017. Effects of neuropeptides orexin and dynorphin in food intake and physical activity in obesity. (PI: Perez-Leighton)
- 2012 – 2016 NIH-NIDDK USA 1R01DK100281-01A1. Role of variability in SPA in susceptibility to obesity. (PI: Catherine Kotz, University of Minnesota, Consultant: Perez-Leighton).

FOUNDATIONS

- 2020 – 2021 SOCHED Research Funds. Effects of obesity induced by cafeteria diet on the ability of exedin-4 to increase thermogenesis and beta oxidation fatty acids in skeletal muscle. (PI: P. Mattar, Co-I: Perez-Leighton)
- 2019 – 2020 SOCHINUT TetraPak Research Funds. Contribution of GLP1R to reduction of food intake in an obesogenic environment (PI: P. Mattar, Co-I: Perez-Leighton)

UNIVERSITY

- 2020 – 2021 Concurso Interdisciplina UC. La dificultad de elegir alimentos saludables y su impacto en obesidad (PI: Perez-Leighton)
- 2019 – 2020 Interdisciplinary Arts UC Research Funds. An interpretation of the Baroque doctrine of the affects from a modern neuroscience perspective (Co-I: E. Figueroa, Co-I: Perez-Leighton)
- 2015 – 2017 Universidad Andres Bello DI-523-14/R. Role of Glucagon Peptide 1 (GLP1) in food intake in obesity. (PI: Perez-Leighton)

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Perez-Leighton CE**, Hamm JD, Shechter A, Tamura S, Laferrère B, Xavier Pi-Sunyer, Albu J, Greenberg D, Kissileff HR. Preoperative liking and wanting for sweet beverages as predictors of body weight loss after Roux-en-Y gastric bypass and sleeve gastrectomy. *Int J Obes (Lond)*. 2019 Oct 22. doi: 10.1038/s41366-019-0474-1. [Epub ahead of print]
2. Coborn JE, Lessie RE, Sinton CM, Rance NE, **Perez-Leighton CE**, Teske JA. Noise-induced sleep disruption increases weight gain and decreases energy metabolism in female rats. *International Journal of Obesity* 2019 43(9):1759-1768.
3. Malaeb S, **Perez-Leighton CE**, Noble EE, Billington C. A "NEAT" Approach to Obesity Prevention in the Modern Work Environment. *Workplace Health Saf*. 2019 67(3):102-110.
4. Vallejos A, Olivares P, Varela D, Echeverria C, Cabello-Verrugio C, **Perez-Leighton C**, Simon P. Preventive Leptin Administration Protects Against Sepsis Through Improving Hypotension, Tachycardia, Oxidative Stress Burst, Multiple Organ Dysfunction, and Increasing Survival. *Frontiers in Physiology* 2018. 9:1800.

5. Uribe-Cerda S, Morselli E, **Perez-Leighton CE**. Updates on the neurobiology of food reward and their relation to the obesogenic environment. *Curr Opin Endocrinol Diabetes Obes*. 2018 25:292-297.
6. Alvarez B, Barrientos T, Gac L, Teske JA, **Perez-Leighton CE**. Effects on Hedonic Feeding, Energy Expenditure and Balance of the Non-opioid Peptide DYN-A₂₋₁₇. *Neuroscience* 2018 371:337-345.
7. Coborn JE, Houser MM, **Perez-Leighton CE**, Teske JA. Role of Sex and the Environment in Moderating Weight Gain Due to Inadequate Sleep. *Curr Obes Rep*. 2017 6(4):397-404
8. Kotz CM, **Perez-Leighton CE**, Teske JA, Billington CJ. Spontaneous Physical Activity Defends Against Obesity. *Curr Obes Rep*. 2017 6(4):362-370
9. Mella R, Schmidt CB, Romagnoli PP, Teske JA, **Perez-Leighton C**. The Food Environment, Preference, and Experience Modulate the Effects of Exendin-4 on Food Intake and Reward. *Obesity (Silver Spring)*. 2017 25(11):1844-1851
10. **Perez-Leighton CE**, Little MR, Grace M, Billington C, Kotz CM. 2017. Orexin signaling in rostral lateral hypothalamus and nucleus accumbens shell in the control of spontaneous physical activity in high- and low-activity rats. *Am J Physiol Regul Integr Comp Physiol*. 312(3):R338-R346.
11. Verdugo G, Arias V, **Perez-Leighton CE**. Costo de una dieta saludable en la Region Metropolitana de Chile. *Archivos Latinoamericanos de Nutrición* 2016 66 (4):272-278.
12. Teske J, **Perez-Leighton CE**, Noble E, Wang CF, Billington C, Kotz C. Effect of Housing Types on Growth, Feeding, Physical Activity and Anxiety-like Behavior in Male Sprague-Dawley Rats. *Frontiers in Nutrition* 2016 3:4.
13. Gac L, Butterick TA, Duffy CM, Teske JA, **Perez-Leighton CE**. Role of the non-opioid dynorphin peptide des-Tyr-dynorphin (DYN-A₂₋₁₇) in food intake and physical activity, and its interaction with orexin-A. *Peptides* 2016 76:14-8
14. Gac L, Kanaly V, Ramirez V, Teske JA, Pinto MP, **Perez-Leighton CE**. Behavioral characterization of a model of differential susceptibility to obesity induced by standard and personalized cafeteria diet feeding. *Physiology & Behavior* 2015 152(Pt A):315-322.
15. Mavanji V, **Perez-Leighton CE**, Kotz CM, Billington CJ, Parthasarathy S, Sinton CM, Teske JA. Promotion of Wakefulness and Energy Expenditure by Orexin A in the Ventrolateral Preoptic Area. *Sleep* 2015 38(9):1361-70.
16. Zink AN, **Perez-Leighton CE**, Kotz CM. The orexin neuropeptide system: physical activity and hypothalamic function throughout the aging process. *Front Syst Neurosci*. 2014 Nov 4;8:211.
17. **Perez-Leighton CE**, Grace M, Billington CJ, Kotz CM. Role of spontaneous physical activity in prediction of susceptibility to activity based anorexia in male and female rats *Physiology & Behavior*. 2014 135:104-11
18. Teske JA, **Perez-Leighton CE**, Billington CJ, Kotz CM. Methodological considerations for measuring spontaneous physical activity in rodents. *Am J Physiol Regul Integr Comp Physiol*. 2014 306(10):R714-21
19. Teske JA, **Perez-Leighton CE**, Billington CJ, Kotz CM. Role of the locus coeruleus in enhanced orexin A-induced spontaneous physical activity in obesity resistant rats. *Am J Physiol Regul Integr Comp Physiol*. 2013 305(11):R1337-45
20. **Perez-Leighton CE**, Billington CJ, Kotz CM. Orexin modulation of Adipose Tissue. *Biochim Biophys Acta*. 2014 1842(3):440-5
21. **Perez-Leighton CE**, Boland K, Billington C, Kotz CM. High and low activity rats: Elevated intrinsic physical activity drives resistance to diet induced obesity in non-bred rats. *Obesity (Silver Spring)*. 2013 21(2):353-60.
22. **Perez-Leighton CE**, Butterick-Peterson TA, Billington CJ, Kotz CM. Role of orexin receptors in obesity: from cellular to behavioral evidence. *Int J Obes (Lond)*. 2013 37(2):167-74.
23. **Perez-Leighton CE**, Boland K, Teske JA, Billington C, Kotz CM. Behavioral responses to orexin, orexin receptor gene expression, and spontaneous physical activity contribute to

- individual sensitivity to obesity. *Am J Physiol Endocrinol Metab.* 2012 303(7):E865-74.
24. Kotz C, Nixon J, Butterick T, **Perez-Leighton C**, Teske J, Billington C. Brain orexin promotes obesity resistance. *Ann N Y Acad Sci.* 2012 1264(1):72-86.
 25. **Perez-Leighton CE**, Schmidt TM, Abramowitz J, Birnbaumer L, Kofuji P. Intrinsic phototransduction persists in melanopsin-expressing ganglion cells lacking diacylglycerol-sensitive TRPC subunits. *Eur J Neurosci.* 2011 33(5):856-67.
 26. Tang X, Schmidt TM, **Perez-Leighton CE**, Kofuji P. Inwardly rectifying potassium channel Kir4.1 is responsible for the native inward potassium conductance of satellite glial cells in sensory ganglia. *Neuroscience.* 2010 166(2):397-407.
 27. Blanco E, Rojas R, Haeger P, Cuevas R, **Perez C**, Munita R, Quiroz G, Andrés ME, Forray MI, Gysling K. Intron retention as an alternative splice variant of the rat urocortin 1 gene. *Neuroscience.* 2006 140(4):1245-52.

BOOK CHAPTERS

1. **Perez-Leighton CE**, Teske JA, Kotz CM. Orexin drives energy expenditure. In: *The Orexins/Hypocretins Systems: Functional Roles and Therapeutic Potential.* Elsevier Inc. Edited by Fadel and Burk. First Edition. 2019.
2. **Perez-Leighton CE**, Lockridge AD, Teske JA, Alejandro EU, Kotz CM. Rat models of obesity, metabolic syndrome and diabetes. In: *The Laboratory Rat.* Elsevier Inc. Edited by Suckow, Hankenson, Wilson and Foley. Third Edition. 2019

CONFERENCES/SHCOLARLY PRESENTATIONS

INVITED TALKS

- | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Sep 2018 | Appetitive Seminar Series, University of Columbia, USA |
| Sep 2018 | Department of Neuroscience, University of Arizona, USA |
| Jan 2018 | Institute of Physiology, School of Sciences, Pontificia Universidad Católica de Chile de Valparaiso, Chile |
| Dec 2016 | Department of Cellular Biology, Faculty of Biological Sciences, Universidad de Concepción, Chile. |
| Dec 2015 | Centro de Estudios Científicos del Sur, Chile |
| Oct 2015 | Department of Food Science and Nutrition, University of Minnesota, USA. |
| Mar 2015 | Physiology Department, School of Biological Sciences, Pontificia Universidad Católica de Chile (March 27, 2015; invited by Alejandro Godoy). |
| Nov 2014 | Department of Nutritional Sciences, University of Arizona, USA. |
| Oct 2014 | School of Medicine, Universidad Católica del Norte, La Serena, Chile |

CONFERENCES

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| Aug 2018 | XXXIII Annual Meeting Chilean Society of Physiology, Huilo-Huilo, Chile |
| Oct 2017 | Obesity Journal Symposium, Obesity Week 2017, Washington DC, USA |
| Oct 2017 | XIII Annual Meeting Sociedad Chilena Neurociencia, Castro, Chile (speaker and organizer). |
| Sept 2016 | XXXI Annual Meeting Chilean Society of Physiology, Huilo-Huilo, Chile |
| Oct 2016 | Young Investigator Symposium, 2nd FALAN Meeting, Buenos Aires, Argentina |
| Oct 2014 | Young Investigator Symposium, X Congreso Sociedad Chilena De Neurociencia. Valdivia, Chile |

POSTER PRESENTATIONS

1. Uribe-Cerda S, **Perez-Leighton CE**. Análisis de preferencia por alimentos palatables: Efecto de los neuropéptidos de dinorfina y desarrollo de equipamiento open-source para análisis de conductas alimentarias en roedores. Annual Meeting Chilean Society of Physiology, Huilo-Huilo, Chile, 2018.
2. Pezoa C, Uribe-Cerda S, **Perez-Leighton CE**. Role of orexin-A and DYN-A₁₋₁₃ in the paraventricular hypothalamic nucleus (PVN) on food choice. Society for the Study of the Ingestive Behavior (SSIB) Annual Meeting, Bonita Springs, FL, USA, 2018.
3. Baeza N, Barrientos T, Alvarez B, **Perez-Leighton CE**. Interaction of neuropeptides DYN-A₁₋₁₃ and orexin-A in the selection and intake of palatable foods. XIII Reunión Anual de Sociedad Chilena de Neurociencia, Castro, Chile, 2017.
4. Barrientos T, Alvarez B, **Perez-Leighton CE**. Role and mechanisms of action of DYN-A₂₋₁₇ on food intake in PVN. XIII Reunión Anual de Sociedad Chilena de Neurociencia, Castro, Chile, 2017.
5. Mella R, **Perez-Leighton CE**. Role of Glucagon-like Peptide 1 (GLP1) in hedonic food intake is modulated by individual preference. 2nd FALAN Meeting. Buenos Aires, Argentina, 2016.
6. **Perez-Leighton CE**, Alvarez B, Gac L., Hernandez MP, Morselli E, Teske J. Role of a non-opioid DYN peptide (des-Tyr DYN) in physical activity and hedonic food intake in the paraventricular hypothalamic nucleus. 10th FENS Forum of Neuroscience 2016, Copenhagen, Denmark, 2016.
7. Arias-Figueroa V, Giacometto M, **Perez-Leighton CE**. Nivel de actividad física y conducta frente al consumo de alimentos en la población chilena. XXI Congreso Sociedad Chilena de Nutrición, Concepción, Chile, 2015.
8. **Perez-Leighton CE**, Gac L, Alvarez B. Individual susceptibility to obesity and the role of the orexin and dynorphin peptides. Society For Neuroscience Annual Meeting, Chicago, USA, 2015.
9. Parker K, **Perez-Leighton CE**, Billington C, Kotz C. Spontaneous physical activity (SPA) following optogenetic manipulation of lateral hypothalamic orexin neurons is dependent on the circadian cycle. Society For Neuroscience Annual Meeting, Washington DC, USA, 2014.
10. **Perez-Leighton CE**, Sarmiento M, Velasquez L. Interaction between orexin and opioid/non-opioid dynorphin in PVN in the regulation of food intake and physical activity. Society For Neuroscience Annual Meeting, Washington DC, USA, 2014.
11. **Perez-Leighton CE**, Sarmiento M. Interaction between orexin and opioid/non-opioid dynorphin in PVN in the regulation of food intake and physical activity. X Congreso Sociedad Chilena De Neurociencia. Valdivia, Chile, 2014.
12. **Perez-Leighton CE**, Billington C, Kotz CM. The orexins, variability in physical activity and resistance to obesity. Latin American Research Network in Drug Abuse, First Joint Meeting Alcohol and other Drugs of Abuse: from molecules to human disorders, Concepcion, 2013.
13. **Perez-Leighton CE**, Billington C, Kotz CM. Optogenetic Activation of the Orexin Neurons Stimulates Spontaneous Physical Activity. Society for the Study of the Ingestive Behavior (SSIB) Annual Meeting, New Orleans, USA, 2013.
14. **Perez-Leighton CE**, Billington C, Kotz CM. Role of the orexins in individual susceptibility to obesity. Congreso Nexos Chile-USA, New York, NY, USA, 2012.
15. **Perez-Leighton CE**, Billington C, Kotz CM. Feeding Responses to Orexin A in High and Low Activity Rats. Society For Neuroscience Annual Meeting, New Orleans, USA, 2012.
16. **Perez-Leighton CE**, Billington C, Kotz CM. Orexin response profile in High Activity (HA) and Low Activity (LA) rats and sensitivity to high-fat diet induced obesity. Society For Neuroscience Annual Meeting, Washington DC, USA, 2011.
17. Nixon JP, Butterick TA, **Perez-Leighton CE**, Kotz CM. Effect of orexin A on neuropeptide Y expression in a novel immortalized hypothalamic cell line Society For Neuroscience Annual

Meeting, Washington DC, USA, 2011.

18. Butterick TA, Nixon JP, **Perez-Leighton CE**, Kotz CM. Orexin A influences lipid peroxidation and neuronal metabolic status in a novel immortalized hypothalamic cell line. Society For Neuroscience Annual Meeting, Washington DC, USA, 2011.
19. **Perez-Leighton CE**, Butterick-Peterson TA, Billington C, Kotz CM. Sequence Independent Phylogenetic Footprinting Analysis Identifies Novel Transcription Regulation for Orexin Receptor. Experimental Biology Meeting, Washington, USA, 2011.
20. **Perez-Leighton CE**, Billington C, Kotz CM. Effect of High-Fat Consumption on Activity of the Orexin Peptides and Receptors. Society For Neuroscience Annual Meeting, San Diego, USA, 2010.

TEACHING

GRADUATE TEACHING

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE

- 2018 - Invited Lecturer, Signaling in Development (BIO4029), PhD Program in Physiology, Department of Physiology, Faculty of Biological Sciences
- 2018 - Invited Lecturer, Cellular Communication (BIO4141), PhD Program in Physiology, Department of Physiology, Faculty of Biological Sciences
- 2018 - Invited Lecturer, Physiological Regulation (BIO4204), PhD Program in Physiology, Department of Physiology, Faculty of Biological Sciences
- 2018 - Invited Lecturer, Nutritional Physiology (MNU3008), Masters Program in Nutrition, Faculty of Medicine

UNIVERSITY OF MINNESOTA

- 2014 – 2016 Invited Lecturer. Obesity prevention, from the molecule to the bedside, Department of Food Science and Nutrition, University of Minnesota, USA
- 2013 Invited Lecturer. Neuropsychopharmacology, Department of Neuroscience, University of Minnesota, USA 2013
- 2013 Invited Lecturer. Nutritional Physiology, University of Minnesota, USA

UNDERGRADUATE TEACHING

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE

- 2019 - Coordinator. Physiology (BIO299E), Undergraduate Programs in Biology, Biochemistry, and Marine Biology, Faculty of Biological Sciences (*4 lectures / week, review sessions, short essays*).
- 2019 - Coordinator. Seminar in Physiology (BIO310). Undergraduate Program in Elementary Teaching, Faculty of Education (*weekly meetings with students for supervision of literature review*)

UNIVERSIDAD ANDRES BELLO

- 2014 - 2018 Guest Lecturer. Molecular Physiopathology, School of Biochemistry, Faculty of Biological Sciences
- 2015 – 2017 Coordinator. Physiopathology, School of Nutrition, Faculty of Medicine
- 2014 – 2017 Coordinator. Physiology Seminars, School of Nutrition, Faculty of Medicine
- 2013 – 2014 Invited Lecturer. Physiology, School of Nutrition, Faculty of Medicine
- 2015 – 2017 Invited Lecturer. Introduction to Medicine I, School of Nutrition, Faculty of Medicine
- 2014 – 2017 Invited Lecturer. Nanomedicine, School of Biotechnology, Faculty of Biological Sciences

MENTORING

POSTDOCTORAL TRAINEES

2019 - Mattar P. Contribution of peripheral glucagon-like 1 receptor (GLP1R) to weight loss effects of exendin-4 (EX4) in obesity induced by cafeteria diet. Project funded by FONDECYT Postdoctorado 3190416

DOCTORAL GRADUATE STUDENTS

2019 - Sandoval C. Compulsive behaviors are mediated by DYN peptides in the paraventricular hypothalamic nucleus. PhD Program in Physiology, Department of Physiology, Faculty of Biological Sciences, Pontificia Universidad Católica de Chile.

MASTER GRADUATE STUDENTS

2015 – 2018 Barrientos T. Neuronal mechanisms of action DYN-A₂₋₁₇ in the paraventricular hypothalamic nucleus. Masters Program in Biotechnology, Faculty of Biological Sciences, Universidad Andres Bello*

2015 – 2016 Mella R. The anorexigenic activity of GLP1 is modulated by individual preference in an animal model of obesity. Masters Program in Biotechnology, Faculty of Biological Sciences, Universidad Andres Bello*

UNDERGRADUATE STUDENTS

2019 – 2020 Guarneri T. Validation of an open source approach for analysis of appetitive behaviors in mice. Undergraduate Thesis, Biochemistry Major, Faculty of Biological Sciences, Pontificia Universidad Católica de Chile.

2016 Bello P, Fernández N, Medina F. Analysis of orexin expression in a hypothalamic cell line. Undergraduate Thesis, Medical Technology Major, Faculty of Medicine, Universidad Andres Bello

2016 Cordero G. Standardization of a protocol for immunofluorescence for CRF and Fos in PVN. Undergraduate Thesis, Medical Technology Major, Faculty of Medicine, Universidad Andres Bello

2015 Verdugo A*. Analysis of price of healthy and unhealthy diets in Santiago, Chile. Undergraduate Research Program, Undergraduate Program in Nutrition, Faculty of Medicine, Universidad Andres Bello

2015 Casanueva D, Pardo D. Standardization of a conditioned place preference test for chocolate. Undergraduate Thesis, Medical Technology Major, Faculty of Medicine, Universidad Andres Bello.

2015 Kalany V*, Ramirez V*. Analysis of obesogenic potential of a personalized cafeteria diet in mice. Undergraduate Thesis, Medical Technology Major, Faculty of Medicine, Universidad Andres Bello.

2014 Gac L*, Salinas T. Analysis of the biological variability determining individual susceptibility to obesity. Undergraduate Thesis, Medical Technology Major, Faculty of Medicine, Universidad Andres Bello

* co-authors in published scientific papers.

PROFESIONAL SERVICE

2012 – 2019 REVIEWER FOR SCIENTIFIC JOURNALS. *Appetite, American Journal of Physiology – Regulatory Integrative and Comparative Physiology, Biological Research, Brain Research, European Neuropsychopharmacology, Frontiers in Physiology, Frontiers in Nutrition - Nutrition Methodology, Frontiers in Endocrinology, Hormone and Metabolic Research, International Journal of Obesity, International Journal of Peptide Research and Therapeutics, Neuropharmacology, Nutritional Neuroscience, Obesity, Scientific Reports, The Journal of Steroid Biochemistry and Molecular Biology.*

2014 – AD-HOC REVIEWER

Swiss National Science Foundation
FONDECYT Iniciacion (Young Investigator Awards), Consejo Nacional Ciencia y Tecnología (CONICYT), Gobierno de Chile
Graduate Scholarships for Doctoral Programs, CONICYT, Gobierno de Chile, Chile
Travel Awards, CONICYT, Gobierno de Chile
Graduate Scholarships for Master Programs, CONICYT, Gobierno de Chile, Chile
National Fellowships Committee for Sigma Delta Epsilon, Graduate Women in Science.
Portuguese Foundation for Science and Technology.
Pilot Feasibility Grant for the Diabetes Center at the University of Michigan.

2014 – Panel Member for Graduate Scholarships for Doctoral Programs, CONICYT, Gobierno de Chile, Chile

ACADEMIC SERVICE

COMMITTEE SERVICE

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE

2019 - Admission Committee, Interdisciplinary Program in Neuroscience
2018 - Admission Committee, PhD Program in Physiology
2018 - 2020 Seminar Coordinator, Department of Physiology, Faculty of Biological Sciences.
2018 - 2019 Committee of Animal Facilities, Faculty of Biological Sciences.

UNIVERSIDAD ANDRES BELLO

2015 – 2016 Workgroup Master Program in Research, Medicine Department.
2014 – 2017 Coordinator of Undergraduate Research Programs for Medical and Clinical Nutrition Students

SERVICE ON OTHER GRADUATE THESIS AND DISSERTATION COMMITTEES

2018 - Alexandra García, Interdisciplinary PhD Program In Neuroscience, Pontificia Universidad de Chile
2018 - 2020 Flavia Cifuentes, PhD program in Physiology, Faculty of Biological Sciences, Pontificia Universidad Catolica de Chile
2018 - 2020 Jasson Espinoza, PhD program in Physiology, Faculty of Biological Sciences, Pontificia Universidad Catolica de Chile

- 2016 – 2019 Johanna Abrigo, PhD Program in Biomolecular Sciences, Universidad Andres Bello
2016 – 2019 Daniela Verdugo, Master Program in Biochemistry, Universidad Andres Bello
2017 – 2018 Nathaly Barriobueno, Master in Biotechnology and Life Sciences, Universidad Andres Bello

PROFESSIONAL SOCIETY MEMBERSHIPS

- 2014 - Sociedad Chilena de Neurociencia
2012 - Society for the Study of Ingestive Behavior (SSIB)
2014 - Sociedad Chilena de Ciencias Fisiológicas (SchCF)
2009 - 2018 Society for Neuroscience