

## ILSE PAMELA ALONSO-VAZQUEZ

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### Education and Training

1/2023 – Present Postdoctoral Fellow, LSU, Nicholas Gilpin Lab, Department of Physiology, New Orleans, LA  
5/2021 – 1/2023 Visiting Postdoctoral Fellow, NIAAA-NIH, David Lovinger Lab, Rockville, MD, USA  
7/2015 – 4/2021 Ph.D. Neuroscience, Drexel University, Rodrigo España Lab, Philadelphia, PA, USA  
9/2011 – 5/2014 M.S. Neuroscience, Universidad Austral de Chile, Hans Richter and Claudia Torres Lab, Valdivia, Chile  
8/2006 – 12/2010 B.S. Pharmaceutical Sciences - Universidad La Salle, Mexico City

### Research Internships

10/2014 – 4/2015 Allan I. Pack, M.B.Ch.B., PhD. Center for Sleep and Circadian Neurobiology. University of Pennsylvania, Philadelphia, PA, USA.  
6/2009 – 12/2009 Carmen Aláez Ph. D. Departamento de Inmunología e Inmunogenética. Instituto de Diagnóstico y Referencia Epidemiológica, Mexico City.

### Pharmaceutical Industry

4/2010 – 1/2011 Erika García Dávila, B.S. Regulatory Affairs Department. NOVARTIS, Mexico City

### Publications

1. **Alonso, IP**, O'Connor, BM, Bryant, KG, Mandalaywala, RK, España, RA. (2022). Incubation of cocaine craving coincides with changes in dopamine terminal neurotransmission. *Addict Neurosci*. doi: 10.1016/j.addicn.2022.10002
2. **Alonso, IP** and España, RA. (2021). Neurochemistry of Sleep. *Encyclopedia of Sleep and Circadian Rhythms*, 2nd Edition. Elsevier.
3. Shaw, JK, **Alonso IP**, Lewandowski, SI, Scott, MO, Aggarwal S, De Biasi, M, Mortensen, OV, España, RA (2021). Individual differences in dopamine uptake predict future motivation for cocaine. *Neuropsychopharmacology*. doi.org/10.1038/s41386-021-01009-2
4. **Alonso, IP**, Pino, JA, Kortagere, S, Torres, GE, & España, RA. (2020). Dopamine transporter function fluctuates across sleep/wake state: potential impact for addiction. *Neuropsychopharmacology*. doi: 10.1038/s41386-020-00879-2
5. Brodnik, ZD, **Alonso, IP**, Xu, W, Zhang, Y, Kortagere, S, & España, RA. (2020). Hypocretin receptor 1 involvement in cocaine-associated behavior: Therapeutic potential and novel mechanistic insights. *Brain Res*. doi:10.1016/j.brainres.2018.07.027
6. **Alonso IP**. Review of *Inferior. How science got women wrong-and the new research that's rewriting the story*, by Angela Saini. *De este lado: revista feminista de divulgación científica*, no. 4, January – June 2019, pp 133-136.

7. Salazar, ER, Richter, HG, Spichiger, C, Mendez, N, Halabi, D, Vergara, K, **Alonso, I. P.**, Corvalan, FA, Azpeleta, C, Seron-Ferre, M, & Torres-Farfan, C. (2018), Gestational chronodisruption leads to persistent changes in the rat fetal and adult adrenal clock and function. *J Physiol.* doi:10.1113/JP276083
8. Spichiger C, Torres-Farfan C, Galdames HA, Mendez N, **Alonso-Vazquez P**, & Richter HG. (2015). Gestation under chronic constant light leads to extensive gene expression changes in the fetal rat liver. *Physiol Genomics.* 47(12):621-33.
9. Galdames HA, Torres-Farfan C, Spichiger C, Mendez N, Abarzua-Catalan L, **Alonso- Vazquez P**, & Richter HG. (2013). Impact of gestational chronodisruption on fetal cardiac genomics. *Journal of Molecular and Cellular Cardiology.* 4(66C): 1-11

### Awards

1. **2019 Goldberger/Murray/Boyne/Levine Award** for Graduate Student Excellence from the Department of Neurobiology and Anatomy of Drexel University College of Medicine.
2. **2019 Trainee Professional Development Award** from the Society for Neuroscience to attend Society for Neuroscience Annual Meeting, Chicago, IL, November 19-23, 2019.
3. **2019 Robert E. Davies Student Travel Award** from the Philadelphia Chapter of the Association for Women in Science to attend Catecholamines Gordon Research Conference, Newry, ME, August 11-16, 2019.
4. **Best poster in the Meeting presented by a Trainee.** 40th Annual Meeting of the Fetal and Neonatal Physiological Society (FNPS). Puerto Varas, Chile. September 2013

### Funding

1. **2019-2020 Dean's Fellowship** for Excellence in Collaborative or Themed Research, Drexel University College of Medicine. This award covered 1 year of stipend and \$3K of travel and research incidentals
2. **2020 Association for Women in Science Outreach Grant.** \$450 were granted to organize the online outreach event Soapbox Science Philadelphia which aims to bring science to the community and increase visibility of women in science.

### Poster Presentations

1. **Alonso, IP**, Mateo, Y, Lovinger, DM (2022). Changes in dopamine dynamics after abstinence from chronic ethanol exposure in mouse dorsal and ventral striatum. *Monitoring Molecules in Neuroscience.* Lyon, France.
2. **Alonso, IP**, Mateo, Y, Lovinger, DM (2022). Effects of chronic alcohol exposure on sleep and dopamine neurotransmission. *Gordon Research Conference and Gordon Research Seminar. Neurobiology of Alcohol Use Disorder and CNS Comorbidities.* Oxnard, CA.
3. **Alonso, IP**, Zihal, EA, España, RA (2020). Impact of sleep on incubation of cocaine craving and dopamine terminal adaptations following abstinence. *Virtual Annual Meeting of Chilean Society for Neuroscience.*
4. **Alonso, IP**, O'Connor, BM, Bryant, KG, Mandalaywala, RK, España, RA (2020). Incubation of cocaine craving coincides with changes in dopamine terminal neurotransmission. *Virtual Dopamine Conference (VIDA).*
5. **Alonso IP**, Pino JA, Wei X, Torres GE, España RA (2019). Dopamine terminal neurotransmission varies across sleep/wake state. *Catecholamines Gordon Research Conference, Newry, ME.*

6. **Alonso IP**, Bryant KG, España RA (2019). Changes in dopamine terminal neurotransmission are associated with incubation of cocaine craving. Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA.
7. **Alonso IP**, Pino JA, Torres GE, España RA (2018). Dopamine terminal neurotransmission varies across sleep/wake state. Society for Neuroscience annual meeting, San Diego, CA.
8. **Alonso IP**, Bernstein DL, España RA (2018). Impact of sleep-wake activity on dopamine terminal neurotransmission. Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA.
9. **Alonso I**, Bernstein DL, España RA (2017). Impact of sleep-wake activity on dopamine terminal neurotransmission. Society for Neuroscience annual meeting, Washington, D. C.
10. **Alonso-Vazquez P**, Galdames HA, Torres-Farfan C, Spichiger C, Mendez N, Vera H, Richter HG (2013). Persistent down-regulation of KChIP2 may contribute to the adult cardiac hypertrophy enforced by gestational chronodisruption. 40th Annual Meeting of the Fetal and Neonatal Physiological Society, Puerto Varas, Chile.
11. **Alonso P**, Abarzua-Catalan L, Mendez N, Vera H, Spichiger C, Galdames HA, Richter HG, Torres-Farfan C (2012). La cronodisrupción materna programa el metabolismo de glucosa en la rata. XXVII Reunión Anual Sociedad Chilena de Ciencias Fisiológicas, Puerto Varas, Chile.

### Oral Presentations

1. Dopamine kinetics fluctuate across sleep/wake activity. **Pontificia Universidad Católica de Chile**. Laboratory of Molecular and Cellular Biology of Addiction. Santiago, Chile. January 2018.
2. Incubation of cocaine craving coincides with changes in dopamine terminal neurotransmission. Nanosymposium called "Effects of cocaine use" at 2019 **Society for Neuroscience annual meeting**, Chicago, IL.

### Membership in Professional Societies

2018 – present     Outreach Coordinator, Association for Women in Science Philadelphia  
 2017 – present     Society for Neuroscience  
 2016 – present     Nexos Chile-USA. Association of Chilean Scientist in the USA.

### Community Outreach

August 2019 – Present     Organizing committee of Soapbox Science Philadelphia, outreach event.  
 December 2018 – 2019     Volunteer at Prevention Point which is a center that aims to reduce the harm associated with drug use. Philadelphia, PA  
 May 2019     Science Festival representing the Association for Women in Science, Philadelphia, PA  
 2018 and 2019     Brain Awareness Week at the Franklin Institute, Philadelphia, PA