

*Curriculum Vitae*

**Laura Monteagudo-Romero**

Department of Physiology  
1901 Perdido St.  
New Orleans, LA 70112  
504-390-8043  
[lmont6@lsuhsc.edu](mailto:lmont6@lsuhsc.edu)

**Education and Training**

- August 2018- Present**      **LSU Health Sciences Center**  
Interdisciplinary Graduate Program  
Department of Physiology  
Alcohol and Drug Abuse Center of Excellence  
PhD expected August 2024
- September 2014- September 2015**      **Complutense University of Madrid (Spain)**  
Master in Neuroscience
- September 2011- July 2012**      **University of Cagliari (Italy)**  
Erasmus Program
- September 2009 - July 2014**      **University of Murcia**  
Bachelor of Science Degree in Biochemistry

**Research Experience**

- August 2018-**      **Graduate Research Assistant**  
LSUHSC-New Orleans, Department of Physiology  
Laboratory of Dr. Scott Edwards
- Project: *“Role of glucocorticoid signaling in alcohol dependence”*  
Neurobiological intersection of pain and alcohol dependence.  
Techniques utilized include Western blot, flow cytometry, animal models of pain, opioid dependence, alcohol dependence.
- April 2017- Sept 2017**      **Graduate Research Assistant**  
LSUHSC-New Orleans, Department of Physiology  
Laboratory of Dr. Patricia Molina
- Project: *“Role of NLRP3 in Traumatic Brain Injury (TBI) and alcohol consumption”*

Experience in protein assay, aseptic techniques, neurobehavioral assessments following TBI, rodent surgeries, tissue collection and dissection

**February 2016-  
March 2017**

**Graduate Research Assistant**

Gregorio Maranon Hospital, Madrid (Spain), Psychiatry Department  
Laboratory of Dr Mara Parellada and Dr Celso Arango  
Research in Schizophrenia, Bipolar Disease, Major Depression  
Disease and Autism Spectrum Disorder.

**October 2014-  
September 2015**

**Graduate Research Assistant**

Complutense University of Madrid, Department of Pharmacology  
Laboratory of Dr Borja Garcia-Bueno

Project: *“Genetical and pharmacological CB2 modulation in stress mice model”*

Techniques: western-blot, immunohistochemistry, different stress rat models, ELISA, RT-PCR and stereotaxic surgery in rats

**Sept 2013-  
April 2014**

**Undergraduate Researcher**

University of Murcia, Department of Pharmacology  
Laboratory of Dr. Cristina Nuñez

Project: *“Role of CRF1R in morphine-dependent mice”*.

**March 2013 –  
Jun 2013**

**Undergraduate Researcher**

Inbionova Biotech S.L.  
Biochemistry Department of University of Murcia

Analyze cells and tissues cultures at the metabolomic level, extraction of their metabolites and quantification by HPLC-MS to determine the metabolisms in the samples.

**Membership in Professional Organizations**

2019- Society for Neuroscience  
2019- Research Society on Alcoholism  
2019- American Association for the Advancement of Science  
2019- American Society of Regional Anesthesia and Pain Medicine  
2019- American Physiological Society  
2019- Association for Women in Science-South Louisiana Chapter

**Research and Scholarship**

**Funding:**

Laura Monteagudo-Romero  
LSUHSC New Orleans, PI Dr Patricia Molina  
Funding Period: 04/01/2017 – 08/30/2018  
Becas ARGO by Ministerio de Educacion, Cultura y Deporte of Spain  
*“Role of NLRP3 in Traumatic Brain Injury (TBI) and alcohol consumption”*

Laura Monteagudo-Romero  
Psychiatric Department Gregorio Maranon Hospital, PI Dr Mara Parellada  
Funding Period: 02/01/16-03/31/17  
European Union  
Youth Employment Initiative (YEI) grant 2015 Madrid  
Research Assistant in mental health

### **Abstracts:**

**Monteagudo-Romero L**, McGinn MA, Edwards K, Edwards S. Glucocorticoid Receptor-Dependent gene and protein expression profiles in the Central Amygdala of alcohol-dependent versus non-dependent rats. Research Society on Alcoholism 2020.

**Monteagudo-Romero L**, McGinn MA, Edwards K, Edwards S. Examination of Frontocortical Oxidative Stress Markers in Chronic Inflammatory Pain. Graduate Research Day 2020, LSU Health Science Center, New Orleans, LA.

Fucich EA, Mayeux JP, McGinn MA, Stoulig PJ, **Monteagudo-Romero L**, Edwards S, Middleton JW, Molina PE. Inhibition of endocannabinoid degradation improves behavioral effects of traumatic brain injury that are associated with amygdala hyperexcitability in rats. Experimental Biology Meeting 2018. FASEB J 2018 32:877.5

Stoulig PJ, Stielper ZF, Fucich EA, **Monteagudo-Romero L**, Edwards S, Gilpin NW, Molina PE. Alcohol self-administration post traumatic brain injury induces astrocyte activation in the basolateral amygdala and central extended amygdala. Research Society on Alcoholism Annual Meeting, San Diego, CA, Alcoholism: Clinical & Experimental Research 42:6, June 2018 online supplement, abstract number 345.

Francis M, Fucich EA, Stielper ZF, Stoulig PJ, **Monteagudo-Romero L**, Gilpin NW, Edwards S, Molina PE. Effect of traumatic brain injury and alcohol on neuroinflammation and oxidative stress in the hippocampus. Summer Research Poster Day 2017, New Orleans, LA, High School Student Poster Award, Second Place.

Fucich EA, Stielper ZF, Stoulig PJ, **Monteagudo-Romero L**, Francis M, Middleton JW, Gilpin NW, Molina PE. Dimorphic effects of traumatic brain injury on anxiety-like behavior are exacerbated by pre-exposure to traumatic stress. Greater New Orleans Society for Neuroscience Annual Retreat 2017, New Orleans, LA.

Fucich EA, Stielper ZF, Stoulig PJ, **Monteagudo-Romero L**, Francis M, Middleton JW, Gilpin NW, Molina PE. Dimorphic effects of traumatic brain injury on anxiety-like behavior are exacerbated by pre-exposure to traumatic stress 2017. Graduate Research Day, New Orleans, LA.

## **Teaching Experience**

**2017-2018** Spanish as foreign language  
Casa de España (New Orleans)

## **Leadership**

**2018-2020** LSUHSC International Student Association (ISA)  
Internal Liaison