

**Ileana M. Pacheco-Colón**  
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## **EDUCATION**

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**Florida International University** August 2015-present  
Ph.D. in Clinical Science (projected May 2022)  
GPA: 3.98

**Brown University** 2008-2012  
Concentration: Psychology, Sc. B.  
GPA: 3.9 overall/4.0 concentration

## **HONORS & AWARDS**

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**Honors in Psychology** 2012  
*Brown University*

**Cohen Foundation Brown Annual Fund Scholarship** 2009-2012  
*Brown University*

## **FELLOWSHIP & GRANT FUNDING**

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**F31 DA047750-01A1 (Role: Principal Investigator)** 2019-2021  
*NRSA: Exercise, cognition, and cannabis use in adolescents*  
*NIH/National Institute on Drug Abuse, Total Funding: \$71,154*

**Center for Children and Families Seed Fund Grant** 2018-2019  
*Florida International University, Total Funding: \$5,000*

**McKnight Doctoral Fellowship** 2018-2019  
*Florida Education Fund, Total Funding: \$22,000 per year*

**Presidential Fellowship** 2015-2018  
*Florida International University, Total Funding: \$30,000 per year*

## **RESEARCH EXPERIENCE**

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**Substance Use and HIV Neuropsychology (SUHN) Lab**  
*Florida International University (August 2015-present)*  
*Graduate Student, Supervisor: Raul Gonzalez, Ph.D.*  
**Responsibilities:**

- Conducting assessments as part of two longitudinal studies led by Dr. Gonzalez:
  - *R01 DA031176*: Decision-making and episodic memory in trajectories to cannabis addiction (2015-2018)
  - *U01 DA041156*: Adolescent Brain and Cognitive Development (ABCD) Study: FIU (2015-present)
- Administering in-person clinical interviews (e.g. K-SADS, DISC, SCID, drug history questionnaires) to adolescents and school-age children.
- Administering and scoring neuropsychological tests, including as the CVLT-II, WMS-IV, and RAVLT with adolescents and school-age children.
- Conducting suicide risk assessment protocols with children and adolescents, and working with families to notify them of risks relating to suicidality.
- Training and supervising new research staff and junior graduate students.
- Participating in recruitment efforts for research studies by attending school events and conducting phone screens.
- Performing detailed quality assurance checks on collected study data.
- Conducting data analyses examining cross-sectional and longitudinal associations between variables including cannabis use, motivation, neurocognition, exercise, and mental health using SPSS and *Mplus*.
- Writing abstracts, chapters, and manuscripts, as well as preparing and presenting posters for scientific conferences.
- Translating ABCD study materials and newsletters from English to Spanish.

### **Center for Functional and Molecular Imaging (CFMI)**

*Georgetown University Medical Center (October 2012-June 2015)*

*Research Assistant, Supervisors: Andrea Gropman, M.D., John W. VanMeter, Ph.D.*

#### **Responsibilities:**

- Running and troubleshooting 3T Siemens Tim Trio MRI Scanner on a variety of clinical populations, including children with autism spectrum disorders and conduct disorder, stroke patients, Alzheimer's patients, among others.
- Coordinating for Dr. Gropman's study investigating the neural pathways underlying the deficits associated with rare inborn errors of metabolism known as urea cycle disorders, particularly ornithine transcarbamylase deficiency
- Recruiting, screening, and scheduling participants, making arrangements for their travel and stays.
- Administering and scoring neuropsychological tests and questionnaires, such as the WASI, CTMT, and BRIEF-2.
- Translating questionnaires into and conducting subject interviews in Spanish for Dr. VanMeter's longitudinal study on adolescent alcohol use.
- Analyzing images acquired through several different imaging modalities, including structural and functional MRI, diffusion tensor imaging (DTI), single-voxel spectroscopy (SVS). Additionally, performing voxel-based morphometry (VBM) and resting-state functional connectivity analyses.
- Working with Dr. Carlo Pierpaoli (NIH) on DTI analyses using TORTOISE.
- Using programs such as MATLAB, SPM, SPSS, FSL, LCMoDel, TORTOISE, MIPAV, MRICron, ArtRepair, MRIConvert to conduct data analysis

- Writing abstracts, chapters, and papers, preparing and presenting posters for scientific conferences

### **Dept. of Cognitive, Linguistic & Psychological Sciences**

*Brown University, (September 2011-May 2012)*

*Honors Thesis, Supervisor: Brian Hayden, Ph.D.*

#### **Responsibilities:**

- Adapting questionnaire to measure body-focused repetitive behaviors
- Collecting data on body-focused repetitive behaviors and anxiety in a cohort of healthy college students
- Conducting statistical analyses using SPSS

### **Kanwisher Lab**

*Massachusetts Institute of Technology (June 2011-August 2011)*

*Research Assistant, Supervisors: Kami Koldewyn, Ph.D., Nancy Kanwisher, Ph.D.*

#### **Responsibilities:**

- Receiving fMRI training, preparing fMRI stimuli and running fMRI experiments
- Administering and scoring neuropsychological tests such as the K-BIT, Embedded Figures Test, Social Responsiveness Scale, among others
- Assisting in conducting MRI scanning with children with autism spectrum disorders, typically developing children, and adults
- Collecting and managing study data
- Working on pilot study examining the perception of animacy in faces, i.e. what areas of the brain are responsible for our ability to distinguish alive faces (humans) from nonliving faces (dolls)

## **CLINICAL EXPERIENCE**

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### **Adult Neuropsychology Practicum**

*Department of Neurology, University of Miami (September 2019-May 2020)*

*Practicum Student, Supervisors: Gustavo Rey, Ph. D., Katalina Fernandez McInerney, Ph.D.*

- Conducting intake interviews with patients and their relatives alongside fellows and supervisors
- Conducting neuropsychological assessments with adults with a variety of disorders, including intractable epilepsy, dementia (including Alzheimer's, frontotemporal, and Lewy Body dementia), movement disorders (including Parkinson's disease), among others.
- Administering and scoring various neuropsychological tests to assess general cognition, as well as specific cognitive domains in order to address referral question.
- Administering structured clinical interviews with patients to assess their level of adaptive functioning, as well as their psychoemotional state both in preparation for and in response to surgical interventions.
- Working with fellows, and supervisors to integrate different test results with medical history for case conceptualization, and provision of personalized recommendations.

- Writing comprehensive neuropsychological reports discussing evaluation findings.

### **Pediatric Neuropsychology Practicum**

*Brain Institute, Nicklaus Children's Hospital (August 2018-May 2019)*

*Practicum Student, Supervisors: Reshma Naidoo, Ph. D., Brandon Korman, Psy.D., Ph.D., ABPP*

- Conducting intake assessments with parents in both the inpatient and outpatient settings to determine current concerns and obtain detailed background information.
- Conducting neuropsychological assessments with children with a variety of disorders, including intractable epilepsy, traumatic brain injury, autism, neurocardiac conditions, intellectual disability, among others.
- Administering and scoring a variety of neuropsychological tests to assess general cognitive functioning, as well as domain-specific tests to assess memory, language, executive functioning, motor skills, visual spatial skills, psychoemotional functioning, and academic functioning in both inpatient and outpatient settings.
- Administering structured clinical interviews with parents to assess adaptive functioning levels of children and rule out certain diagnoses.
- Working with fellows, interns, and supervisors to integrate different test results with medical history for case conceptualization, tailoring of recommendations to family needs, and treatment planning.
- Writing comprehensive neuropsychological reports discussing evaluation findings.
- Conducting feedback sessions with families to share results of neuropsychological evaluation and discuss recommendations and next steps.

### **Supporting Teens' Academic Needs Daily (STAND) Practicum**

*Florida International University (August 2017-June 2018)*

*Clinician, Supervisor: Margaret Sibley, Ph.D.*

#### **Responsibilities:**

- Providing weekly STAND treatment sessions for parent-teen dyads to support teens with motivation, executive functioning, and attention problems (often ADHD), with a heavy emphasis on the academic domain
- Conducting weekly parent sessions for STAND in group therapy format.
- Conceptualizing parent and teen problems to ensure fit between needs and STAND, and maximize therapeutic gains.
- Conducting intake assessments, which included administration of clinical interviews (e.g. DISC), and neuropsychological tests (e.g. D-KEFS, WASI, WIAT)

### **Center for Children and Families Practicum**

*Florida International University (September 2016-May 2017)*

*Clinician, Supervisor: Katie Hart, Ph.D.*

#### **Responsibilities:**

- Conducting assessment of adolescent client's presenting problems through semi-structured clinical interviews and self-report questionnaires
- Conceptualizing client's presenting problem and devising a treatment plan
- Providing weekly sessions of Coping Cat with heavy focus on gradual exposures to treat adolescent's selective mutism

- Terminating treatment upon goal achievement and referring to appropriate services

## TEACHING EXPERIENCE

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### Dept. of Cognitive, Linguistic & Psychological Sciences

Brown University, (September 2011-December 2011)

Teaching Assistant, Supervisor: Brian Hayden, Ph.D.

#### Responsibilities:

- Assisting Dr. Hayden during Abnormal Psychology class
- Leading weekly discussion sections and review sessions before exams
- Discussing material with students, answering questions and concerns
- Proctoring and grading exams

## PUBLICATIONS

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### Book Chapters

1. Ross, J.M., Duperrouzel, J.C., **Pacheco-Colón, I.**, & Gonzalez, R. (*in press*). Psychosocial Substance Use: Street Drugs. In Paul, Salminen, Heaps, Baker (Eds.), *The Wiley Health Psychology Handbook. Volume I: Biological Bases of Health Behavior*. Oxford: John Wiley & Sons.
2. **Pacheco-Colón** & Gonzalez, R. (2019). Chapter 10: Cognitive sequelae of cannabis use. In A. Verdejo-Garcia (Ed.), *Cognition and Addiction: A Researcher's Guide from Mechanisms Towards Intervention* (143-154).
3. **Pacheco-Colón, I.**, Duperrouzel, J. C., & Gonzalez, R. (2018). Studies in Cannabis Use: Year in Review. In B. A. Markopulos, S. Koffler, D. Johnson-Greene, E. M. Mahone (Eds.). *Neuropsychology: Science And Practice, V.3.*, (1-21). New York: Oxford University Press.
4. **Pacheco-Colón, I.**, Fricke, S. & Gropman, A. L. (2014). Chapter 9: Role of brain imaging for demonstrating ammonia-induced changes In J. Haberle (Ed.), *Hyperammonemia*.

### Peer-Reviewed Publications

5. **Pacheco-Colón, I.**, Ramirez, A. R., & Gonzalez, R. (2019). Effects of Adolescent Cannabis Use on Motivation and Depression: A Systematic Review. *Current Addiction Reports*, 1-15.
6. **Pacheco-Colón, I.**, Hawes, S. W., Duperrouzel, J. C., Lopez-Quintero, C., & Gonzalez, R. (2019). Decision-Making as a Latent Construct and its Measurement Invariance in a Large Sample of Adolescent Cannabis Users. *Journal of the International Neuropsychological Society*.

7. Duperrouzel, J. C., Granja, K., **Pacheco-Colón, I.**, & Gonzalez, R. (2019). Adverse Effects of Cannabis Use on Neurocognitive Functioning: A Systematic Review of Meta-Analytic Studies. *Journal of dual diagnosis*, 1-15.
8. Duperrouzel, J., Hawes, S. W., Lopez-Quintero, C., **Pacheco-Colón, I.**, Coxe, S., Hayes, T. & Gonzalez, R. (2019). Adolescent Cannabis Use and its Associations with Decision-Making and Episodic Memory: Preliminary Results from a Longitudinal Study. *Neuropsychology*.
9. Ross, J. M., Granja, K., Duperrouzel, J. C., **Pacheco-Colón, I.**, Lopez-Quintero, C., & Gonzalez, R. (2018). Risky Sexual Behavior among Adolescents: The Role of Decision-Making, Cannabis Use, and Externalizing Disorder Symptoms. *Journal of Clinical and Experimental Neuropsychology*, 41(3), 300-311.
10. **Pacheco-Colón, I.**, Limia, J. M. & Gonzalez, R. (2018). Nonacute effects of cannabis use on motivation and reward sensitivity in humans: A systematic review. *Psychology of Addictive Behaviors*, 32(5): 497-507.
11. Lopez-Quintero, C., Granja, K., Hawes, S. W., Duperrouzel, J. C., **Pacheco-Colón, I.**, Gonzalez, R. (2018). Transition to drug co-use among adolescent cannabis users: the role of decision-making and mental health. *Addictive Behaviors*, 85: 43-50.
12. Hawes, S. W., **Pacheco-Colón, I.**, Ross, M.J., Gonzalez, R. (2018). Adolescent Cannabis Use and Conduct Problems: The Mediating Influence of Callous-Unemotional Traits. *International Journal of Mental Health and Addiction*, 1-15.
13. **Pacheco-Colón, I.**, Coxe, S., Musser, E. D., Duperrouzel, J. C., Ross, J. M., & Gonzalez, R. (2017). Is Cannabis Use Associated with Various Indices of Motivation among Adolescents? *Substance Use & Misuse* 3(7), 1158-1169.
14. Gonzalez, R., **Pacheco-Colón, I.**, Duperrouzel, J. C., & Hawes, S. W. (2017). Does Cannabis Use Cause Declines in Neuropsychological Functioning? A Review of Longitudinal Studies. *Journal of the International Neuropsychological Society*, 23(9-10), 893-902.
15. Duperrouzel, J., Hawes, S. W., Lopez-Quintero, C., **Pacheco-Colón, I.**, Comer, J., & Gonzalez, R. (2017). The association between adolescent cannabis use and anxiety: A parallel process analysis. *Addictive Behaviors* 78, 107-113.
16. Ross, J. M., Graziano, P., **Pacheco-Colón, I.**, Coxe, S., & Gonzalez, R. (2016). Decision-Making Does not Moderate the Association between Cannabis Use and Body Mass Index among Adolescent Cannabis Users. *Journal of the International Neuropsychological Society: JINS*, 1-6.

17. **Pacheco-Colón, I.**, Washington, S. D., Sprouse, C., Helman, G., Gropman, A.L. & VanMeter, J. W. (2015). Reduced functional connectivity of default mode and set-maintenance networks in ornithine transcarbamylase deficiency. *PLoS One* 10(6).
18. **Pacheco-Colón, I.**, Gropman, A. L., Fricke, S. T., VanMeter, J.W. (2014) Advances in Urea cycle Neuroimaging: Proceedings from the 4th International symposium on Urea cycle disorders, held in Barcelona in September 2013. *Mol. Genet. Metab.* 113(1-2): 118-26.
19. Sprouse C, King J, Helman G, **Pacheco-Colón, I.**, Shattuck, K., Breeden, A., Seltzer, R., VanMeter, J. W., Gropman, A. L. (2014). Investigating neurological deficits in carriers and affected patients with ornithine transcarbamylase deficiency. *Mol. Genet. Metab.* 113(1-2): 136-41.
20. Helman, G., **Pacheco-Colón, I.**, & Gropman, A. L. (2014). The urea cycle disorders. *Semin Neurol* 34(3): 341-9.

### **Manuscripts Under Review**

21. Pacheco-Colón, I., Hawes, S. W., Duperrouzel, J. C., & Gonzalez, R. (under review). Evidence Lacking for Cannabis Users Slacking: A Longitudinal Analysis of Adolescent Cannabis Use and Motivation. *Journal of Clinical Child & Adolescent Psychology*.
22. Ross, J. M., Pacheco-Colón, I., Hawes, S. W., & Gonzalez, R. (under review). Bidirectional Longitudinal Associations between Cannabis Use and Body Mass Index among Adolescents. *Journal of Adolescent Health*.
23. Duperrouzel, J. C., Hawes, S. W., Pacheco-Colón, I., & Gonzalez R. (under review). Preliminary Evidence of Material-Specific Sex Differences in Episodic Memory among Adolescent Cannabis Users. *Journal of the International Neuropsychological Society*.

### **Abstracts & Presentations**

24. **Pacheco-Colón, I.**, Hawes, S. W., Salamanca, M. J., & Gonzalez, R. (2020, February). Disentangling Longitudinal Associations between Adolescent Cannabis Use, Decision Making, and Episodic Memory. Poster to be presented at the 48<sup>th</sup> Annual Meeting of the International Neuropsychological Society. Denver, CO.
25. Duperrouzel, J. C., **Pacheco-Colón, I.**, Hawes, S. W., Gonzalez, R. (2020, February). Associations among Adolescent Cannabis Use Trajectories, Anxiety, and Risky Decision-Making. Poster to be presented at the 48<sup>th</sup> Annual Meeting of the International Neuropsychological Society. Denver, CO.
26. **Pacheco-Colón, I.**, Coxe, S., Hawes, S. W., & Gonzalez, R. (2019, June). Longitudinal Associations between Cannabis Use and Self-Reported Motivation among Adolescents. Poster presented at the 81<sup>st</sup> Annual Meeting of the College on Problems of Drug Dependence. San Antonio, TX.

27. **Pacheco-Colón, I.**, Salamanca, M. J., & Gonzalez, R. (2019, May). Self-Reported Physical Activity and Memory Performance among Adolescent Cannabis Users. Poster presented at the 66<sup>th</sup> Annual Meeting of the American College of Sports Medicine. Orlando, FL.
28. **Pacheco-Colón, I.**, Hawes, S. W., Duperrouzel, J. C., Lopez-Quintero, C. & Gonzalez, R. (2019, February). Assessing Measurement Invariance of a Latent Decision-Making Construct in a Sample of Adolescent Cannabis Users. Poster presented at the 47<sup>th</sup> Annual Meeting of the International Neuropsychological Society. New York, NY.
29. Duperrouzel, J. C., Hawes, S. W., **Pacheco-Colón, I.**, Granja, K. & Gonzalez, R. (2019, February). No Evidence for Additive Adverse Effects of Alcohol and Cannabis Use on Memory Performance during Adolescence. Poster presented at the 47<sup>th</sup> Annual Meeting of the International Neuropsychological Society. New York, NY.
30. Gonzalez, R., Hawes, S. W., & **Pacheco-Colón, I.** (2018, December). Decision-Making Predicts Escalating Cannabis Use in Girls and Boys during Adolescence. Poster presented at the 57<sup>th</sup> Annual Meeting of the American College of Neuropsychopharmacology.
31. **Pacheco-Colón, I.** & Gonzalez, R. (2018, June). Is heavy cannabis use associated with reduced motivation among adolescents? Poster presented at the 80<sup>th</sup> Annual meeting of the College on Problems of Drug Dependence. San Diego, CA.
32. Duperrouzel, J. C., Lopez-Quintero, C., Granja, K., **Pacheco-Colón, I.**, Hawes, S. W., & Gonzalez, R. (2018, June). Does Anxiety Moderate the Effects of Cannabis Use on Decision Making? Poster presented at the 16<sup>th</sup> annual meeting of the American Academy of Clinical Neuropsychology. San Diego, CA.
33. **Pacheco-Colón, I.**, Hawes, S. W., & Gonzalez, R. (2018, February). Adolescent cannabis use trajectories and motivation: A longitudinal analysis. Poster presented at the 46<sup>th</sup> annual meeting of the International Neuropsychological Society. Washington, DC.
34. Gonzalez, R., **Pacheco-Colón, I.**, Lopez-Quintero, C. (2018, February). Reward sensitivity and motivation among adolescent cannabis users. Poster presented at the 46<sup>th</sup> annual meeting of the International Neuropsychological Society. Washington, DC.
35. **Pacheco-Colón, I.**, Hawes, S. W., Duperrouzel, J. C., & Gonzalez, R. (2017, June). Does physical activity influence the association between cannabis use and memory? Poster presented at the 79<sup>th</sup> Annual meeting of the College on Problems of Drug Dependence. Montreal, QC, Canada.
36. Duperrouzel, J. C., **Pacheco-Colón, I.**, Lopez-Quintero, C., Hawes, S. W., & Gonzalez, R. (2017, June). Material-specific sex differences in relationships between cannabis use and episodic memory among adolescents. Poster presented at the 79<sup>th</sup> Annual meeting of the College on Problems of Drug Dependence. Montreal, QC, Canada.

37. **Pacheco-Colón, I.**, Coxe, S., Duperrouzel, J. C., Ross, J. M., & Gonzalez, R. (2017, February). The association between cannabis use and motivation among adolescents. Poster presented at the 45<sup>th</sup> annual meeting of the International Neuropsychological Society. New Orleans, Louisiana.
38. **Pacheco-Colón, I.**, Gropman, A. L., Washington, S. D., Sprouse, C., Helman, G. & VanMeter, J. W. (2014, November). Reduced neural activity in patients with ornithine transcarbamylase deficiency during a Stroop task. Poster presented at the 44<sup>th</sup> annual meeting of the Society for Neuroscience. Washington, DC.
39. **Pacheco-Colón, I.**, Gropman, A. L., Washington, S. D., Sprouse, C., Helman, G. & VanMeter, J. W. (2014, June). Reduced functional connectivity of default mode and set-maintenance networks in ornithine transcarbamylase deficiency. Poster presented at the 20<sup>th</sup> annual meeting of the Organization for Human Brain Mapping. Hamburg, Germany.
40. **Pacheco-Colón, I.**, Washington, S. D., VanMeter, J. W., & Gropman, A. L. (2014, March). Reduced fronto-parietal connectivity in ornithine transcarbamylase deficiency. Poster presented at the annual meeting of the Society for Inherited Metabolic Disorders. Asilomar, California.

#### **OTHER EXPERIENCES & MEMBERSHIPS**

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<b>Ad Hoc Reviewer</b> , <i>Journal of the International Neuropsychological Society, Drug and Alcohol Dependence, Journal of Studies on Alcohol and Drugs, Journal of Clinical and Experimental Neuropsychology</i>	2018- Present
<b>Student Representative</b> , <i>Student Graduate Education Committee Florida International University</i>	2018- Present
<b>Member</b> , <i>Society for Neuroscience</i>	2014-2015