

# Roisin White

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## EDUCATION

### **The Pennsylvania State University: 2014 - 2019**

Ph.D. Human Development and Family Studies. Advisor: Dr. Lisa Gatzke-Kopp

### **Trinity College Dublin: 2013 - 2014**

MSc. Neuroscience - Distinction. Advisor: Dr. Redmond O'Connell

### **Trinity College Dublin: 2009 - 2013**

B.A. (Hons.) Psychology - First Class Honors. Thesis advisor: Dr. Fiona Newell

## RESEARCH POSITIONS

### **Prevention and Methodology Training Program (NIDA T32)**

**July 2017 – present**

Prevention Research Center & Methodology Centre, PSU

Predoctoral Fellow

Mentors: Drs. Lisa Gatzke-Kopp, Nilam Ram & Stephen Wilson

### **Child Brain Development Lab**

**May 2016 – present**

The Pennsylvania State University

Graduate Researcher

PI: Dr. Lisa Gatzke-Kopp

### **Addiction, Smoking & Health Laboratory**

**Feb 2015 – present**

The Pennsylvania State University

Graduate Researcher

PI: Dr. Stephen Wilson

### **Developmental Cognitive Neuroscience & Addiction Lab**

**Sep 2014 – May 16**

The Pennsylvania State University

Graduate Researcher

PI: Dr. Charles Geier

### **Trinity College Institute of Neuroscience: O'Connell Lab**

**Sep 2013 – Jun 14**

Trinity College Dublin

Research Assistant

PI: Dr. Redmond O'Connell

### **Trinity College Institute of Neuroscience: Multisensory Cognition Lab**

**Aug 2012 – Apr 13**

Trinity College Dublin

Research Assistant

PI: Dr. Fiona Newell

**Geary Institute**  
University College Dublin  
Research Assistant  
PI: Dr. Liam Delaney

**May 2011 – July 11**

## **HONORS AND AWARDS**

**Prevention and Methodology Traineeship** – National Institute on Drug Abuse (T32) – 2017  
**SRCD Student Travel Award** – Society for Research in Child Development Biennial Meeting – 2017  
**Graduate Student Travel Grant** – Pennsylvania State University Office of Global Programs – 2015  
**University Graduate Fellowship** – Pennsylvania State University Graduate School – 2014  
**Graham Fellowship** – (declined) Pennsylvania State University Graduate School – 2014  
**TCD Dean of Students Roll of Honor** – for work with TCD Psychological Society – 2013  
**Dr. Ray Fuller Prize** – School of Psychology, Trinity College Dublin – 2012  
**The All-Ireland Scholarship** – Department of Skills & Education, Ireland – 2009  
**Entrance Exhibition Award** – Trinity College Dublin – 2009  
**Irish Maths and Science Olympiad** – Department of Skills & Education, Ireland - 2006

## **PUBLICATIONS**

**White, R.**, Gatzke-Kopp, L., Ryan, P., & Lydon-Staley, D. (2019). The association between perinatal hypoxia exposure and externalizing symptoms and children's decision making in conditions of uncertainty is moderated by DRD2 genotype. *Developmental Psychobiology*, 61(1), 56-68. DOI: 10.1002/dev.21785

**White, R.** (2013). The emergence of social neuroscience: a new understanding of social issues and interactions. *Social & Political Review*, 23, 115-121.

*Manuscripts under review/in preparation*

**White, R.**, Geier, C., Johnston, S., Smyth, J., & Wilson, S. Testing the efficacy of real-time fMRI neurofeedback in training daily smokers to upregulate neural response to nondrug rewards.

**White, R.**, Yang, X., Ram, N., & Gatzke-Kopp, L. Investigating the integration of behavioral and physiological indicators of uncertainty and sensitivity to risk during probabilistic decision making in children.

**White, R.**, Ram, N., & Gatzke-Kopp, L. Mind and body: Investigating central and autonomic nervous system coupling in the context of affective manipulation.

Ryan, P., Gatzke-Kopp, L., & **White, R.** Glucocorticoid receptor gene moderates the effects of gestational stress on effort tolerance in middle childhood.

## TEACHING EXPERIENCE

### Teaching assistant:

*Fall 2015* - HDFS 129: Introduction to HDFS. Supervisor: Dr. Sherry Corneal  
HDFS 301: Values and Ethics in HHD Professions. Supervisor: Dr. Julie States  
*Spring 2016* - HDFS 311: HDFS Interventions. Supervisor: Dr. Jennifer Crissman Ishler  
HDFS 429: Advanced Child Development. Supervisor: Dr. Sarah Kollat

### Certifications:

The Pennsylvania State University World Campus – Graduate Student Online Teaching Certificate

### Tutorials:

Introduction to plotting in R using ggplot2 – We R Penn State R Users Group  
K-Nearest Neighbors: An Introductory Example – We R Penn State R Users Group –  
<https://quantdev.ssri.psu.edu/tutorials/k-nearest-neighbors-introductory-example>

## ACADEMIC SERVICE

### HDFS Graduate Student Steering Committee

Admissions Committee Co-Chair	2017 – 2018
Program Planning, Development & Evaluation Co-Chair	2016 – 2017

<b>We R, the Penn State R Users Group</b> – Treasurer	2015 – present
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<b>National Prevention Science Coalition</b> – Volunteer	2016 – 2017
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<b>Student Psychology Journal of Ireland</b> – Editor-in-Chief	2011
Assistant Editor	2010

<b>TCD Psychological Society</b> – Education Officer	2012 – 2013
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**Ad hoc reviewer** – *Psychophysiology*

## CONFERENCE PRESENTATIONS

**White, R.,** Ram, N., & Gatzke-Kopp, L. Mind and body: Investigating central and autonomic nervous system coupling in the context of affective manipulation. Poster presented at *Society for Psychophysiological Research Meeting*, Quebec City, Canada, 2018.

**White, R.,** Geier, C., Johnston, S., Smyth, J., & Wilson, S. Testing the efficacy of real-time fMRI neurofeedback in training daily smokers to upregulate neural response to nondrug rewards. Poster presented at *Society for Prevention Research Meeting*, Washington D.C., USA, 2018.

**White, R.,** Yang, X., Ram, N., & Gatzke-Kopp, L. Investigating the integration of behavioral and physiological indicators of uncertainty and sensitivity to risk during probabilistic decision making in children. Poster presented at *HDFS Graduate Student Symposium*, University Park, PA, USA, 2018.

**White, R.,** Yang, X., Ram, N., & Gatzke-Kopp, L. Skin conductance reactivity moderates the association between deliberation time and willingness to take risk in a probabilistic decision-

making task. Poster presented at *Society for Psychophysiological Research Meeting*, Vienna, Austria, 2017.

**White, R.**, Ryan, P., Lydon-Staley, D., & Gatzke-Kopp, L. Examining the effects of early life environmental inputs on decision-making during childhood. Poster presented at *Program for Translational Research on Adversity and Neurodevelopment Meeting*, University Park, PA, USA, 2017.

**White, R.**, Ryan, P., Lydon-Staley, D., & Gatzke-Kopp, L. DRD2 Taq1A polymorphism moderates the effect of pre- and perinatal exposure to hypoxic conditions on probability discounting. Poster presented at *Society for Research on Child Development Biennial Meeting*, Austin, TX, USA, 2017.

**White, R.**, Ryan, P., Lydon-Staley, D., & Gatzke-Kopp, L. COMT gene variants differentially moderate the effects of physical and interpersonal risk factors on children's delay tolerance. Poster presented at *Society for Research on Child Development Biennial Meeting*, Austin, TX, USA, 2017.

Ryan, P., **White, R.**, Lydon-Staley, D., & Gatzke-Kopp, L. Glucocorticoid receptor gene moderates the effects of gestational stress on effort tolerance in middle childhood. Poster presented at *Society for Research on Child Development Biennial Meeting*, Austin, TX, USA, 2017.

Roberts, N. J., **White, R.**, Lo, L., Luna, B., & Geier, C. F. Examining reward and cognitive control resting state connectivity across development using an extended unified structural equation modeling approach. Poster presented at *The Society for Neuroscience*, San Diego, CA, USA, 2016.

**White, R.** & Dorn, L.D. Exploring longitudinal changes in depressive symptoms, bone density and inflammatory markers – Data from a sample of healthy Midwestern adolescent females. Oral presentation at *The Pennsylvania State University Mini-Conference on Multivariate Longitudinal Methods*, University Park, PA, USA, 2016.

**White, R.** & Cleveland, H. Harrington. Assessing the relationship between daily affect and drug craving: An exploration of ecological momentary assessment (EMA) data from opioid dependent individuals. Oral presentation at *The Pennsylvania State University Mini-Conference on Intensive Longitudinal Methods*, University Park, PA, USA. 2015.

**White, R.**, Roberts, N.J., Lydon, D.M., Lo, L.L., Luna, B. & Geier, C.F. Development of reward and cognitive control connectivity using Group Iterative Multiple Model Estimation (GIMME). Poster presented at *Flux Congress: The International Society for Integrative Developmental Cognitive Neuroscience*, Leiden, The Netherlands. 2015.

**White, R.**, Roberts, N.J., Lydon, D.M., Lo, L.L., Luna, B. & Geier, C.F. Development of reward and cognitive control connectivity using Group Iterative Multiple Model Estimation (GIMME). Poster presented at the *Special Meeting of the Society of Research on Child Development*, Leiden, The Netherlands. 2015.

**White, R.** & Newell, F. Children, Choices and Chocolate: Attenuating the choice blindness phenomenon through the use of incentives. Poster presented at *Psychology Students of Ireland Congress*, Dublin, Ireland. 2013. Abstract published in *The Irish Psychologist*, 39(6), S37.

## SOFTWARE EXPERTISE

**Statistical packages:** R, SAS, SPSS, LISREL, LatentGOLD

**Physiological data collection/processing:** Mindware BioLab, HRV/IMP/EDA

**Neuroimaging:** Turbo BrainVoyager, FSL, AFNI

**Other:** Qualtrics, EyeLink (II), MediaLab

## **PROFESSIONAL MEMBERSHIPS**

Society for Research on Child Development

Society for Psychophysiological Research

Flux Society (Developmental Cognitive Neuroscience)

Social and Affective Neuroscience

Society for Neuroscience

Psychological Society of Ireland

British Psychological Society