

**AGNES J. JASINSKA, Ph.D.**

---

1563 McIntyre Street, Ann Arbor, MI 48105  
jasinska@umich.edu

**EDUCATION**

**Ph.D. in Neuroscience**, University of Michigan (2007-2011)

**M.S. in Human Genetics**, University of Michigan (2007-2011)

**Graduate Certificate in Cognitive Science**, University of North Carolina-Charlotte (2005-2007)

**B.A. in Philosophy & English *magna cum laude***, Marquette University (1998-2000)

**CURRENT POSITION**

**2011-present**      **Postdoctoral Research Fellow**  
Psychology Department, University of Michigan

**RESEARCH INTERESTS**

My research interests center on brain mechanisms and gene-brain-behavior pathways of cognitive control and self-regulation. I am interested both in factors that modulate these mechanisms (primarily gene-environment interactions that converge on the serotonin system) – and in ways that we can repair these mechanisms when they are impaired (e.g., via cognitive-training interventions for addiction).

**Areas:** Cognitive / Affective Neuroscience, Neuroimaging, Human Genetics, Addiction.

**ONGOING RESEARCH SUPPORT**

**2011-present**      **Postdoctoral Translational Scholar Program**  
Michigan Institute for Clinical and Health Research (MICHR), UM  
Role: P.I.

**2011-present**      **Developmental Research Funding**  
Center for Excellence in Cancer Communications Research (CECCR), UM  
Role: P.I.

## **COMPLETED RESEARCH SUPPORT**

- 2010-2011**      **Sarah Winans Newman Scholarship**  
Center for the Education of Women (CEW), University of Michigan
- 2010-2011**      **Neurolinguistics Fellowship**  
William Orr Dingwall Foundation
- 2009**            **Rackham Graduate Student Research Grant**  
University of Michigan
- 2009**            **Graduate Student Research Grant**  
Center for the Education of Women (CEW), University of Michigan

## **RESEARCH TRAINING**

- 2005-2007**      **Research Assistant, University of North Carolina, Charlotte**
- Cognitive Neuroscience & Control Processes Laboratory  
(Mentor: Dr. Mark Faust, Psychology)
- Affective Neuroscience Laboratory  
(Mentor: Dr. Nakia Gordon, Psychology)
- Perception Laboratory  
(Mentor: Dr. Paula Goolkasian, Psychology)
- 2007-2009**      **Research Rotations, Neuroscience Graduate Program, University of Michigan**
- Psychiatric Affective Neuroimaging Laboratory  
(Mentor: Dr. Stephan Taylor, Psychiatry)
- Human Genetics Laboratory  
(Mentor: Dr. Margit Burmeister, Human Genetics and Psychiatry)
- Neuroimaging Laboratory  
(Mentor: Dr. Jon-Kar Zubieta, Radiology and Psychiatry)
- 2010-2011**      **Dissertation Research, Neuroscience Graduate Program, University of Michigan**
- Cognitive and Computational Neuroscience Laboratory  
(Mentor: Dr. Thad Polk, Psychology)

Dissertation Topic: The impact of serotonin transporter gene variation on neural and behavioral correlates of goal-directed cognition.

**2011 Fellow, Summer Institute in Cognitive Neuroscience**

University of California-Santa Barbara

**2011-present Postdoctoral Research Fellow, Psychology, University of Michigan**

Project: Cognitive-control training for smoking cessation (Mentors: Drs. Patricia Reuter-Lorenz, Victor Strecher, and Emily Falk).

**AWARDS AND HONORS**

- 1999, 2000, 2001 The National Dean's List
- 1999, 2001 Nominated for the All-American Scholar Collegiate Award
- 1998-2000 Marquette University Phi Theta Kappa Scholarship
- 1998-2000 Marquette University Dean's Scholarship
- 1998-2000 Marquette University Ignatius Scholarship
- 2009 University of Michigan Rackham Conference Travel Award to present a poster at the 39<sup>th</sup> Annual Meeting of the Society for Neuroscience (SfN)
- 2009 University of Michigan Rackham Conference Travel Award to present a poster at the 5<sup>th</sup> International Imaging Genetics Conference
- 2010 University of Michigan Rackham Conference Travel Award to present a poster at the 60<sup>th</sup> Annual Meeting of the American Society of Human Genetics (ASHG)
- 2010 Michigan Chapter SFN (MiSFN) Founder's Award Competition, 2<sup>nd</sup> Place Winner
- 2011 Travel Award to present a poster at the Wisconsin Symposium on Emotion, University of Wisconsin-Madison

**PUBLICATIONS AND MANUSCRIPTS**

**Jasinska AJ**, Lowry CA, Burmeister M. (*Under review.*) Serotonin transporter gene, stress, and raphe-raphe interactions: A molecular mechanism of depression.

**Jasinska AJ**, Chua HF, Ho SS, Rozek LS, Polk TA, Strecher VJ. (*Under review.*) Amygdala response to smoking-cessation messages mediates the effects of serotonin transporter gene variation on smoking cessation.

Chua HF, Ho SS, **Jasinska AJ**, Welsh RC, Polk TA, Liberzon I, Stretcher VJ. 2011. Self-related neural response to tailored smoking-cessation messages predicts quitting. *Nature Neuroscience* 14: 426-427.

**Jasinska AJ**, Perkins SC. 2009. Impact of the tri-allelic serotonin transporter polymorphism on the white-matter tract connecting the amygdala and the prefrontal cortex. *Journal of Neuroscience* 29 (34):10461-10462.

## **SCIENTIFIC PRESENTATIONS**

### **Conference Talks**

**Jasinska AJ**, Chua HF, Ho SS, Polk TA, Rozek LS, Angststadt M, Strecher VJ. 2011. Neural mediators of serotonin transporter gene variation on smoking cessation. Slide presentation at the “Emotion and Social Cognition” Slide Session, at the 18<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), April 2011.

**Jasinska AJ**, Chua HF, Ho SS, Polk TA, Rozek LS, Strecher VJ. 2010. Neural response to smoking-cessation messages mediates the impact of serotonin transporter gene variation on smoking cessation. Slide presentation at the “Genetic Approaches to Addiction” Nanosymposium, at the 40<sup>th</sup> Annual Meeting of the Society for Neuroscience (SfN), Nov. 2010.

### **Conference Posters**

**Jasinska AJ**, Chua HF, Ho SS, Polk TA, Rozek LS, Strecher VJ. 2011. Amygdala response to smoking-cessation messages mediates the impact of serotonin transporter gene variation on subsequent smoking cessation. Poster at the Wisconsin Symposium on Emotion.

**Jasinska AJ**, Chua HF, Ho SS, Rozek LS, Polk TA, Strecher VJ. 2010. Impact of genetic variation in the serotonin system on smoking cessation: Identifying the brain mediators with functional MRI. Poster at the 60<sup>th</sup> Annual Meeting of the American Society of Human Genetics (ASHG).

**Jasinska AJ**, Chua HF, Ho SS, Polk TA, Rozek LS, Strecher VJ. 2010. The response in the dorsomedial prefrontal cortex to tailored health messages mediates the influence of STin2 genotype on smoking cessation outcome. Poster at the Annual Meeting of the Michigan Chapter of the Society for Neuroscience (MiSFN).

**Jasinska AJ**, Polk TA, Fitzgerald KD, Taylor SF. 2010. Dissociable effects of threat-related distracters during high and low cognitive interference: Threat-distracter MSIT. Poster at the 17<sup>th</sup> Annual Cognitive Neuroscience Society (CNS) Meeting.

**Jasinska AJ**, Taylor SF, Angststadt M, Burmeister M, Villafuerte S, Stossberg K, Cook EH, Stein MB, Liberzon I, Phan KL. 2009. Impact of serotonin transporter gene variation on limbic

reactivity to social threat in social anxiety disorder. Poster at the 39<sup>th</sup> Annual Meeting of the Society for Neuroscience (SfN).

**Jasinska AJ**, Stern ER, Gehring WJ, Burmeister M, Stossberg K, Śliwerska E, Hanna GL, Welsh RC, and Taylor SF. 2009. The triallelic 5-HTTLPR polymorphism in the human serotonin transporter gene *SLC6A4* may impact error-related activation in the medial frontal cortex in healthy subjects. Poster at the 5<sup>th</sup> International Imaging Genetics Conference.

**Jasinska AJ**, Stern ER, Gehring WJ, Burmeister M, Stossberg K, Śliwerska E, Hanna GL, Welsh RC, and Taylor SF. 2008. The triallelic 5-HTTLPR polymorphism in the human serotonin transporter gene *SLC6A4* may impact error-related activation in the medial frontal cortex in healthy subjects. Poster at the 38<sup>th</sup> Annual Meeting of the Society for Neuroscience (SfN).

### **Seminars and Invited Talks**

- 2008 *Neuropharmacology of the serotonin system*. Psychology 436: Drugs of Abuse: Drugs, Brain, and Behavior. Department of Psychology, University of Michigan.
- 2008 *Role of the medial prefrontal cortex in central and behavioral effects of stressor controllability*. Neuroscience Student Seminar Series. Neuroscience Graduate Program, University of Michigan.
- 2009 *Searching for the genetic basis of the individual differences in complex traits: Tales from our canine friends*. Neuroscience Summer Journal Club. Neuroscience Graduate Program, University of Michigan.
- 2010 *Neural endophenotypes of serotonin transporter gene variation in smokers: Linking genes, brain, and behavior*. Neuroscience Student Seminar Series. Neuroscience Graduate Program, University of Michigan.
- 2011 *Neural mediators of serotonin transporter gene effects on post-intervention smoking cessation: The role of amygdala-prefrontal cortex circuitry*. Cognition and Cognitive Neuroscience (CCN) Forum. Psychology Department, University of Michigan.

### **EDUCATIONAL ACTIVITIES**

#### **Teaching**

- 2008 Graduate Student Instructor, Psychology 436: Drugs of Abuse: Drugs, Brain, and Behavior, Psychology, University of Michigan
- 2010 Graduate Student Instructor, Psychology 250: Introduction to Developmental Psychology, Psychology, University of Michigan

## **Advising and Mentoring**

2010-2011 Sarah P. Leitman, B.S. with Honors in Brain, Behavior, and Cognitive Science (May 2011), Undergraduate Honors Thesis: *Evaluating Behavioral and Genetic Markers of Reading Ability* (Psychology Department's Highest Honors and Tanner Memorial Award).

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- Society for Neuroscience (since 2008)
- Cognitive Neuroscience Society (since 2009)
- American Society of Human Genetics (since 2010)
- Association for Psychological Science (since 2011)

## **CERTIFICATION**

- IRB Regulations 101 Workshop, IRB-Medical School, UM, Winter 2009
- Informed Consent 101 Workshop, IRB-Medical School, UM, Winter 2009
- PEERRS Human Subjects – Biomedical & Health Sciences (through 07/2014)
- PEERRS Human Subjects – Social & Behavioral Sciences (through 03/2012)
- PEERRS Foundations of Good Research Practice (through 03/2012)
- PEERRS Research Administration (through 03/2012)
- PEERRS Authorship, Publication and Peer Review (through 07/2014)
- PEERRS Conflict of Interest (through 07/2014)

The Program for Education and Evaluation in Responsible Research and Scholarship (PEERRS) is a web-based foundational instruction and certification program for faculty and staff engaged in or associated with research at the University of Michigan.

## **VOLUNTEER SERVICE**

- Brains Rule, Angell Elementary, Ann Arbor, MI (since 2008). Brains Rule is a volunteer outreach program, designed and coordinated by the Neuroscience Graduate Program students at the University of Michigan, with the goal of educating and impassioning elementary-school children about neuroscience.