

## **CARRIE J MCADAMS MD PHD**

### **Current Position**

Assistant Professor of Psychiatry, UT Southwestern Medical Center at Dallas

University of Texas Southwestern Medical Center at Dallas  
5323 Harry Hines Blvd Ste BL 6.110E  
Dallas, TX 75390-8828  
Phone 214-648-4145  
Email [carrie.mcadams@utsouthwestern.edu](mailto:carrie.mcadams@utsouthwestern.edu)

### **Education**

2010-2012	Physician Scientist Training Program, UTSW Medical Center.
2009-2010	Head Research Resident, Research Track, UTSW Psychiatry Program.
2006-2010	UT Southwestern Medical Center, Psychiatry Residency.
2001-2005	Harvard University, Postdoctoral Research Fellowship in Neurobiology.
1992-2000	Baylor College of Medicine, Houston, Texas. MD with Honors.
1993-1998	Baylor College of Medicine, Houston, Texas. PhD in Neuroscience.
1988-1992	Rice University, Houston, Texas. B.A, magna cum laude with double majors in Biochemistry and Behavioral Sciences.

### **Licensure**

Texas Medical License, 2008-present.  
Board Certified Adult Psychiatrist, 6/3/2011 - present.

### **Clinical Experience**

2013-present	Texas Health Presbyterian Hospital of Dallas Program Development and Education for Adult Eating Disorder IOP
2010-2013	University of Texas Southwestern Medical Center Outpatient Psychiatrist in Student Mental Health

### **Research Experience**

2012 – present:	<b>Assistant Professor</b> , University of Texas at Southwestern Medical Center Neuroimaging of Social Identity in Anorexia Nervosa K23 Mentors: Dr. Carol Tamminga, Dr. James Lock, Dr. P. Read Montague.
2010 - 2012:	<b>Assistant Instructor</b> , University of Texas at Southwestern Medical Center PSTP Mentor: Dr. Carol Tamminga
2007 - 2010:	<b>Resident</b> , University of Texas at Southwestern Medical Center

Residency Research Mentor: Dr. Daniel Krawczyk  
Center for Brain Health, UT Dallas

- 2001-2005      **Postdoctoral Fellow in Neurobiology**, Electrophysiology of Attention in V1  
Mentor: Dr. R. Clay Reid, Harvard Medical School, Boston, MA
- 1993-1998      **Graduate Student**, Attention in the Area V4  
Mentor: Dr. John H.R. Maunsell,  
Neuroscience, Baylor College of Medicine, Houston, TX
- 1990-1992      **Senior Thesis and Ford Foundation Fellowship** in Biochemistry  
Mentor: Dr. Ray Glantz, Rice University, Houston, TX.

### Peer-Reviewed Publications

**McAdams CJ**, Lohrenz T, Montague PR. Neural responses to kindness and malevolence differ in illness and recovery in women with anorexia nervosa. *Human Brain Mapping*, 2015, in press.

Sheng M, Lu H, Liu P, Thomas B, **McAdams CJ**. Cerebral perfusion differences in women currently with and recovered from anorexia nervosa. *Psychiatry Res*. 2015 in press.

**McAdams CJ**, Krawczyk DC. Who am I? How do I look? Neural differences in self-identity in anorexia nervosa. *Soc Cogn Affect Neurosci*. 2014 Jan 9(1):12-21.

**McAdams CJ**, Krawczyk DC. Neural responses during social and self-knowledge tasks in bulimia nervosa. *Front Psychiatry* 2013 Sept 12; 4:103.

Cui H, Moore J, Ashimi SS, Mason BL, Drawbridge JN, Han S, Hing B, Matthews A, **McAdams CJ**, Darbro BW, Pieper AA, Waller DA, Xing C, Lutter M. Eating disorder predisposition is associated with ESRRB and HDAC4 mutations. *J Clin Invest*. 2013 Nov 123(11):4706-13.

Peng SL, Dumas JA, Park DC, Liu P, Filbey FM, **McAdams CJ**, Pinkham AE, Adinoff B, Zhang R, Lu H. Age-related increase of resting metabolic rate in the human brain. *Neuroimage*. 2014 Sep;98:176-83.

Liu P, Lu H, Filbey FM, Pinkham AE, **McAdams CJ**, Adinoff B, Daliparthi V, Cao Y. Automatic and reproducible positioning of phase-contrast MRI for the quantification of global cerebral blood flow. *PLoS One*. 2014 May 2;9(5):e95721.

**McAdams, CJ**, Krawczyk, D. Impaired neural processing of social attribution in anorexia nervosa. *Psychiatry Research: Neuroimaging* (2011) 194:54-63.

Lehky SR, Peng X, **McAdams CJ**, Sereno AB. Spatial modulation of primate inferotemporal responses by eye position. *PLoS ONE* (2008) 3(10): e3492. doi:10.1371/journal.pone.0003492

**McAdams, CJ**, Reid, RC. Attention modulates the responses of simple cells in monkey V1. *J Neurosci* (2005) 25. 11023-11033.

**McAdams, CJ**, Maunsell, JHR. Attention to both space and feature modulates neuronal responses in macaque area V4. *J. Neurophys* (2000) 83. 1751-1755.

**McAdams, CJ**, Maunsell, JHR. Effects of attention on the reliability of individual neurons in monkey visual cortex. *Neuron* (1999) 23. 765-773.

**McAdams, CJ**, Maunsell, JHR. Effects of attention on orientation-tuning functions of single neurons in macaque cortical area V4. *J Neurosci* (1999) 19(1), 431-444.

Maunsell, JHR., Ghose, GM, Assad, JA, **McAdams, CJ**, Boudreau, CE, Noerager, BD, Visual response latencies of magnocellular and parvocellular LGN neurons in macaque monkeys. *Visual Neuroscience* (1999) 16, 1-14.

Glantz, R, **Wyatt, C**, & Manhke, H. (1995) Directionally selective motion detection in the sustaining fibers of the crayfish optic nerve: linear and nonlinear mechanisms. *J. Neurophysiol.* 74:142-152.

### **Book Chapters**

Maunsell, JHR, **McAdams, CJ**, (2001) Effects of attention on the responsiveness and selectivity of individual neurons in visual cerebral cortex (in) J. Braun, C. Koch, J.L.Davis (ed.) *Visual Attention and Cortical Circuits*, MIT Press, Cambridge, MA.

Maunsell, JHR., **McAdams, CJ**, (1999) Effects of attention on neuronal response properties in visual cerebral cortex (in) M.S. Gazzaniga (ed.) *The Cognitive Neurosciences*, MIT Press, Cambridge, MA.

### **Published Abstracts, Posters, and Presentations at Scientific Meetings**

Krol HL, Latimer KM, Stewart S, **McAdams CJ**. A pilot study examining behavioral trust and eating disorder severity in a pediatric inpatient treatment setting. *Texas Psychological Association*, November 14th, 2014. Dallas, TX.

**McAdams, CJ**, Lohrenz, T, Montague, PR. (2014) Neuroimaging Social Behavior in Anorexia Nervosa: Recovery and Illness; *American College of Neuropsychopharmacology*, Phoenix, AZ.

**McAdams, CJ**, Lohrenz, T, Montague, PR. (2014) Neuroimaging Social Behavior in Anorexia Nervosa: Recovery and Illness; *Eating Disorder Research Society*, San Diego, CA.

**McAdams, CJ**, Lohrenz, T, Montague, PR. (2014) Neuroimaging Social Interactions in Anorexia Nervosa; Academy of Eating Disorders, New York, NY.

**McAdams, CJ**, Krawczyk, DC. (2013) Examining social and physical self-knowledge in anorexia and bulimia; Cognitive Neuroscience Society, San Francisco, CA.

**McAdams, CJ**, Krawczyk, DC, Emslie, G. (2012) Neurobiological differences in mentalization in anorexia nervosa; American College of Neuropsychopharmacology, Fort Lauderdale, FL.

**McAdams, CJ**, Krawczyk, DC. (2012) Who am I? How do I look? Neuroimaging of Identity in Anorexia Nervosa; International Conference for Eating Disorders, Austin, TX.

**McAdams, CJ**, Krawczyk, DC. (2011) Neuroimaging of self-identity and mentalization in anorexia nervosa; International Conference for Eating Disorders, Miami, FL.

**McAdams, CJ**, Krawczyk, DC. (2010) Decreased precuneus activity during personality appraisals in eating disorder patients. Society for Neuroscience San Diego, CA.

**McAdams, CJ**, Krawczyk, DC. (2010) Social thinking and self-knowledge examined using fMRI in anorexia and bulimia. Eating Disorder Research Society, Boston, MA.

**McAdams, CJ**, Krawczyk, DC. (2010) Social cognition and self-knowledge in eating disorders. Reprogramming the Human Brain Symposium, Center for Brain Health, Dallas, TX.

Lehky, SR, Peng, X, **McAdams, CJ**, Sereno, AB. (2007) Spatial modulation of primate inferotemporal responses by eye position Society for Neuroscience, San Diego, CA.

**McAdams, CJ**, Reid, RC. (2004). The receptive field strength of simple cells can be modulated by attention. *Journal of Vision*, 4(8), 183a, <http://journalofvision.org/4/8/183/>, doi:10.1167/4.8.183.

**McAdams, CJ**, Reid, RC. (2003) Effects of attention on the spatial and temporal structure of neurons in macaque primary visual cortex. Program No 551.9 Abstract Viewer/Itinerary Planner. Washington DC Society for Neuroscience.

**McAdams, CJ**, Maunsell, JHR. (1997) Spatial attention and feature-directed attention can both modulate neuronal responses in macaque area V4. *Soc. Neurosci. Abstr.* 23: 2062.

Sereno, AB, **McAdams, CJ**, Maunsell, JHR. (1997) Attentional modulation of visual response in neurons in the macaque anterior inferotemporal cortex (AIT). *Invest. Ophthalmol. Vis. Soc.* 38:625.

Sereno, AB, **McAdams, CJ**, Maunsell, JHR. (1997) Shape and spatial selective sensory and attentional effects in neurons in the macaque anterior inferotemporal cortex (AIT). *Soc. Neurosci. Abstr.* 23:302.

**McAdams, CJ**, Maunsell, JHR. (1996) Attention enhances neuronal responses without altering orientation selectivity in macaque area V4. Soc. Neurosci. Abstr. 22: 1197.

### **Invited Lectures**

The Elisa Project and Region 10, Richardson TX, “What is Healthy Thinking for Adolescents and Young Adults”, Region 10 Teacher CE Program, February, 2015.

Medical Center of Plano, Plano TX, “Introduction to Eating Disorders”, McKinney ISD Nursing CNE Program, January, 2015.

Texas Health Presbyterian Hospital of Dallas, Dallas TX, “What Can Brain Imaging Teach us About Recovery in Anorexia Nervosa”, Psychiatry Grand Rounds, November, 2014.

Texas Medical Association, Fort Worth, TX, “Understanding Brain Function in Eating Disorders”, Spring Meeting, Texas Medical Association, May, 2014.

Elisa Project Symposium, Course Director and Speaker “Neuroimaging and Therapeutic Interventions in Eating Disorders”, 13<sup>th</sup> Annual Professional Symposium for the Treatment of Eating Disorders, February, 2013.

Texas Health Presbyterian Hospital of Dallas, Dallas TX, “Neuroimaging of Identity in Eating Disorders”, Psychiatry Grand Rounds, February 2013.

Mayo Clinic Grand Rounds, Department of Psychiatry and Psychology, “Neuroimaging of Social Identity in Anorexia Nervosa”, October, 2012.

Elisa Project Symposium, Course Director and Speaker “Neuroimaging of Identity in Anorexia”, 12<sup>th</sup> Annual Professional Symposium for the Treatment of Eating Disorders, February, 2012.

Center for Brain Health, Lunch Lecture Series, “Neuroimaging of Social Identity in Anorexia Nervosa”, September, 2011.

Texas Society of Psychiatric Physicians, “Understanding Eating Disorders through Neuroimaging”, Annual Convention, November, 2011.

Texas Health Presbyterian Hospital of Dallas, Dallas TX, “Neuroimaging of Social Identity in Anorexia”, Psychiatry Grand Rounds, August, 2011.

Elisa Project Symposium, Prevention of Eating Disorders, “Neuroimaging of Social Thinking in Anorexia”, Dallas, TX, February, 2011.

NARSAD Healthy Minds, Eating Disorder Symposium, “Neuroimaging of Social Thinking in Anorexia”, UT Southwestern Medical Center, May, 2010.

Duke University, Durham, NC, Seminar, "Effects of Attention on Neuronal Responses in Visual Cortex", Department of Neuroscience, December, 1999.

Rice University, Houston, TX. Colloquium Talk, "Attentional Modulation of Neuronal Signaling", Department of Mathematics, 1998.

Harvard Medical School, Boston, MA. Seminar, "Effects of Attention on Orientation Tuning in Macaque Area V4", Neurobiology, 1996.

### **Current Grant Support**

National Institutes of Health, PI: 2K23MH093684-01A1, Neurobiology of Social Thinking in Anorexia  
Dates: 1/1/2012 to 12/31/2016.

This career development award is focused on the PI's training and conduction of neuroimaging experiments in adult anorexia nervosa patients, comparing healthy controls, fully recovered patients, and currently ill patients. This mentored award includes three mentors: Dr. Carol Tamminga, my on-site mentor and expert in intermediate phenotyping in psychiatric illness; Dr. Read Montague, an expert in neural modeling, social cognition and functional MRI; and Dr. James Lock, an expert in clinical eating disorder research.

Hogg Foundation Mental Health Research Grants                      6/1/2015-8/31/2016    2, concurrent  
for Tenure-Track Assistant Professors  
Attribution Biases and Recovery for Mental Health Consumers with Anorexia

This award will provide support to contact all of the participants from the NIMH K23 Award to obtain clinical follow-up and psychological assessments, targeting a cognitive assessment identified in the K23 award as strongly associated recovery from anorexia nervosa.

### **Previous Grant Support**

NARSAD 2012 Young Investigator Award, Neuroimaging of Social Identity in Adolescent Anorexia.  
Dates: 1/15/2013-1/14/2015.

This award used the same neuroimaging tasks as the adult anorexia K23 study but did so in adolescents with anorexia nervosa and healthy control adolescents.

Children's Clinical Research Advisory Council Junior Investigator Award 8/1/2013-7/31/2015,  
Biological and Psychological Factors in Adolescent Eating Disorders

This local mentored research award provides funding to assess genetic polymorphisms and their relationship to outcomes following eating disorder treatment in adolescents at Children's

Medical Center's ED program. The mentors are Dr. Graham Emslie, a co-investigator on this application, and Dr. Carol Tamminga, my on-site imaging mentor on the K23 award, and Dr. Andrew Zinn, a molecular geneticist at UT Southwestern.

Research Subaward Agreement, PI for Prime Award 431671-19A08, subcontract of National Institutes of Health 5R01DA0011723-12, Computational Substrates of Addiction and Reward  
PI, P. Read Montague, Virginia Tech  
Dates: 3/1/2011-8/28/2013.

This award examined neural activity in anorexia nervosa patients and healthy controls using a specific fMRI task. It was a subcontract from an RO1 for one of my K23 mentors, Read Montague.

National Institutes of Health (MD/PhD student): T32 EY07001, T32 GM07330, T32 GM08507  
National Institutes of Health (postdoctoral fellow): T32 NS0748

## **Teaching Experience**

### Research Supervision

Siobhan Evans, Medical Student Research Intern, 2015.  
Heather Krol, Psychology Intern, PhD Candidate, 2013-present.  
Adam Teed, Neuroscience PhD Candidate, Thesis Committee Member, 2013-present.

Whitney Smith, Psychiatry Resident, Neuroimaging, Literature Review, 2014-present.  
Celeste Valencia, Psychiatry Resident, Oxytocin, Literature Review, 2014-present.  
Aparna Atluru, Psychiatry Resident, Crohns and Anorexia Case Report, 2014-present.  
Jiet Xu, Psychiatry Resident, Crohns and Anorexia Case Report, 2014-present.  
Brittany Mason, Postdoctoral Fellow, GI Complications in Anorexia, Literature Review, 2014 - present.  
Brooks Brodrick, Internal Medicine, GI Complications in Anorexia, Literature Review, 2014 - present.

Supervision of rotating and summer UTSW and UTD students, 2008 - present.  
Supervision of neuroscience graduate students at Harvard, 2004-2006.  
Supervision of neuroscience graduate students at Baylor, 1995-1998.

### Psychiatry Residency Lectures

Psychiatry Resident Supervisor, Eating Disorder Unit, Texas Health Presbyterian, 2013-present.  
Lecturer, Neuroscience of Addiction for Psychiatry Residents, 2014.  
Annual Lecturer, Eating Disorders for Psychiatry Residents, 2010 - present.  
Annual Lecturer, Advanced Neuroscience for Psychiatry Residents, 2010 - 2013.

### Psychology Intern Lectures

Annual Lecturer, Psychology Seminar, Oxytocin and Attachment, 2014 - present.

### Medical Student Lectures

Annual Lecturer, Clinical Medicine Block 10, Eating Disorders, 2012 - present.

Lecturer, Women's Health Elective, Eating Disorders, 2014.

Lecturer, Women's Health Elective, Life and Work Balance, 2014.

Lecturer, Eating Disorders, Teen Health Week, 2013-2015.

### Undergraduate Lecture

Guest Lecturer, Harvard University, Eating Disorders Synaptic Plasticity Seminar, January, 2012.

### **Committee Service**

Year(s)	Name of Committee	Institution/Organization
2012-2014	Brain Science Curriculum	UTSW, Psychiatry Residency
2014-present	Grand Rounds Committee	UTSW, Psychiatry Department
2013-present	Data Safety Monitoring Boards	Dr. Sherwood Brown
2014-present	Elisa's ED Coalition	Elisa Project
2015-present	UTSW IRB 4 Board	UTSW

### **Professional Societies**

Dates	<u>Society Name</u>
2012-present	Cognitive Neurosciences Society
2011-present	International Association of Eating Disorder Professionals
2009-present	Academy for Eating Disorders
2006-present	American Psychiatric Association
2006-present	Texas Society for Psychiatric Physicians
2006-present	North Texas Society for Psychiatric Physicians

#### Committees in Professional Societies

2015-present	APA Psychotherapy Caucus
2010-present	AED Neuroimaging Special Interest Group
2010-present	AED Neuropsychology Special Interest Group

### **Editorial Activities**

Year(s)	Journal Name
<u>Editorial Board</u>	
2013-present	Frontiers in Psychiatry
<u>Ad Hoc Reviewer</u>	
2015-present	Journal of Dual Diagnosis
2014-present	Human Brain Mapping



2014-present	Journal of Psychology and Neuroscience
2010-present	American Journal of Psychiatry
2012-present	PLOS One
2011-present	Psychiatry Research: Neuroimaging
2012	Biochemia Medica
2002-2005	Journal of Neuroscience
2003-2005	Journal of Neurophysiology

## Honors and Awards

Klerman Award, Honorable Mention, Brain & Behavior Foundation, 2015.  
 Leadership Emerging in Academic Departments, UT Southwestern, Class of 2013.  
 Career Development Institute for Psychiatry, University of Pittsburg and Stanford, Class of 2012.  
 Neuroimaging SIG Abstract Award for ICED, UC San Diego, 2012.  
 Research Fellowship from Academy of Eating Disorders ICED Conference, 2011.  
 Chairman's Research Award, Psychiatry Department, UT Southwestern Medical Center, 2010.  
 American Psychiatric Association, Research Colloquium for Junior Investigators, May, 2010.  
 Duke University, Department of Neuroscience, Joanne Diamond Award, December, 1999.  
 Alpha Omega Alpha, Baylor College of Medicine, 1999  
 Presidential Scholar, Baylor College of Medicine, 1992, 1998, 1999.  
 Neuroscience Speaker, Graduate Student Day, Baylor College of Medicine, 1998.  
 Best Poster, MD/PhD Program Retreat, 1997.  
 John J. Trentin Award, Baylor College of Medicine, 1994.  
 Medical Scientist Training Program Fellowship, Baylor College of Medicine, 1992-2000.  
 Phi Beta Kappa, Rice University, 1992.  
 Ford Foundation Fellowship, Rice University, 1991.  
 Phi Lambda Upsilon, Rice University, 1991.  
 Gaylord Johnson Scholarship, Rice University, 1990.  
 Max Roy Scholarship, Rice University, 1989.  
 President's Honor Roll, Rice University, 1988-1992.  
 National Merit Scholar, 1988.