

# Dr. David Charles Johnson

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## EDUCATION

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- 2015 Ph.D. in Neuroscience, Sackler Institute for Developmental Psychobiology,  
Weill Cornell Medical College, Cornell University, New York, NY
- 2008 B.A. in Psychology, New York University, New York, NY

## PROFESSIONAL, TEACHING & RESEARCH APPOINTMENTS

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- 2018 – present Assistant Professor, Dept. of Behavioral Sciences  
The Graduate Center and York College  
The City University of New York  
New York, NY and Jamaica, NY
- 2016 – 2018 Assistant Professor, Dept. of Psychology,  
Manchester University  
North Manchester, IN
- 2016 – 2017 Consultant, fMRI and psychophysiological data analysis,  
New York Presbyterian Hospital, New York, NY
- 2015 – 2016 Visiting Assistant Professor, Dept. of Psychology, Manchester University, North  
Manchester, IN
- 2015 – 2016 Visiting Fellow in Psychology in Psychiatry, Weill Cornell Medical College,  
Cornell University, New York, NY
- 2015 Adjunct Professor, Dept. of Psychology, Barnard College, Columbia University,  
New York, NY
- 2014 - 2015 Adjunct Professor, Dept. of Psychology, Baruch College, City University of New York,  
New York, NY
- 2008 – 2010 Lab Manager, Harvard Social Cognitive and Affective Neuroscience Lab,  
Harvard University, Cambridge, MA
- 2007 – 2008 Research Assistant, Department of Psychology, Phelps Lab, New York University,  
New York, NY

## **TEACHING EXPERIENCE (Sole instructor)**

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### **York College, The City University of New York**

Jamaica, NY

2018 – present

#### *Courses taught:*

Statistical Methods in Psychological Science

Experimental Methods (face-to-face and online)

### **The Graduate Center (doctoral faculty), The City University of New York**

New York, NY

2018 - present

#### *Course (to be) taught:*

The Emotional Brain (in Spring 2020)

### **Manchester University**

North Manchester, Indiana

2015 – 2018

#### *Courses taught:*

Cognitive Neuroscience (face-to-face and online)

Statistics and Research Methods

Introduction to Psychology

Cognitive Psychology (face-to-face and online)

Sensation and Perception

Advanced Research Methods in Cognitive Psychology

Introduction to Statistics (face-to-face, online and hybrid)

### **Barnard College**

Columbia University

New York, NY

Fall 2015

#### *Courses taught:*

Advanced Cognitive Neuroscience Seminar

Introduction to Psychology

### **Baruch College, The City University of New York**

New York, NY

Fall 2014-2015

#### *Courses taught:*

Theories of Personality

Sensation and Perception

## PUBLICATIONS

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### *Peer Reviewed Journal Articles*

(\*indicates co-first author; \*\* indicates publications with undergraduate student co-authors)

Coulter-Kern, M., Eichenauer, C., & **Johnson, D.C.** (2019). Can students be trained how to evaluate their learning experiences more effectively? In prep. \*\*

**Johnson, D.C.**, Gregory, L., & Ray, D. (2019). Fear memory strength and methodological considerations. In prep. \*\*

**Johnson, D.C.**, Crisman, T., & Willwerth, A. (2019). Situational ambiguity during extinction enhances fear regulation. In prep. \*\*

Divencha, I., Drysdale, A. Hartley, C.A., **Johnson, D.C.\***, Glatt, C., Lee, F.S., & Casey, B.J. (2015). FAAH genetic variation enhances fronto-amygdala function in mouse and human. *Nature Communications* 6.

**Johnson, D.C.** & Casey, B.J. (2015). Extinction during memory reconsolidation blocks recovery of fear in adolescents. *Scientific Reports* 5, 8863.

**Johnson, D.C.** & Casey, B.J. (2015). Easy to remember, difficult to forget: the development of fear regulation. *Developmental Cognitive Neuroscience* 11, 42-55.

Pattwell, S., Duhoux, S., Hartley, C., **Johnson, D.C.**, Jing, D., Elliott, M., Ruberry, E., Powers, A., Mehta, N., Yang, R., Soliman, F., Glatt, C., Casey, B.J., Ninan, I., & Lee, F.S. (2012). Altered fear learning across development in both mouse and human. *Proceedings of the National Academy of the Sciences USA* 109, 16318–16323.

Schiller, D., Monfils, M.H., Raio, C.M., **Johnson, D.C.**, LeDoux, J.E., & Phelps, E.A. (2010). Preventing the return of fear in humans using reconsolidation update mechanisms. *Nature* 463 (7277), 49-53.

## GRANTS, AWARDS & FELLOWSHIPS

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2019	Stewart Travel Award, CUNY Academy for the Humanities and Sciences (\$250 for conference travel)
2019	GRTI R21 Equipment Award, “ <i>Exploring Gender Effects in Social Fear Learning</i> ” (\$26,000)
2018	National Institutes of Health (NIMH division), R15 AREA grant (PI), “ <i>Disrupting fear: testing the limits of memory reconsolidation</i> ” (2018-2021; \$305,000)
2018	Lily Endowment Call to Action Grant, “ <i>Developing a hands-on psychophysiology laboratory class and certification program</i> ” (\$5000)
2018	Lily Endowment Call to Action Grant, “ <i>Revitalizing undergraduate statistical training</i> ” (\$1400)
2018	Manchester University Summer 2018 Faculty-Student Research Grant, “ <i>The effect of shared attitudes and beliefs on social fear learning</i> ” (\$2400)
2018	Psi Chi faculty advisor award (\$1500)

2016	University of Michigan Big Data Conference travel award (\$300)
2015	New York Community Trust grant, “ <i>Neuroanatomical manifestations of extinction learning in returning veterans with traumatic brain injury</i> ” (\$200,000; Consultant)
2013-2015	National Institutes of Health, Tri-Institutional Training Program in Vision Research Grant (T32)
2010	John Merck Fund Summer Institute on the Biology of Developmental Disabilities Fellowship
2007	Dean’s Undergraduate Research Award, New York University, “ <i>A multilevel analysis of compulsive hoarding disorder</i> ” (\$1500)

## REVIEWER

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### Journals (ad hoc)

Scientific Reports (Nature Publications), Psi Chi Journal of Psychological Research

### Textbooks

Sage Publications, Inc. (Statistics for the Behavioral Sciences)

### Grants and Awards

SAGE - Society for the Teaching of Psychology (STP) Travel Award Committee, 2017 - 2020

## SELECTED PROFESSIONAL PRESENTATIONS

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(\*indicates a student working under my mentorship; last author = senior author)

### Conference presentations

**Johnson, D.C.**, Ho, V., Tetteh-Quarshie, S. (2019). Poster to be presented at the meeting for the Gordon Research Conference on Amygdala Function in Emotion, Cognition and Disease, Easton, MA.

Crisman, T.,\* McVay, A.,\* Pritt, S.,\* **Johnson, D.C.** (2018). *Disrupting fear: testing the limits of reconsolidation update*. Poster presented at the annual meeting for the Association for Psychological Science, San Francisco.

Crisman, T.,\* McVay, A.,\* Pritt, S.,\* **Johnson, D.C.** (2018). *Disrupting fear: testing the limits of reconsolidation update*. Poster presented at the annual meeting for the Midwest Psychological Association, Chicago, IL.

Miller, G.,\* Deneke, N.,\* **Johnson, D.C.** (2018). *The impact of shared political affiliation on observational fear learning*. Poster presented at the annual meeting for the Midwest Psychological Association, Chicago, IL.

Crisman, T.,\* Willwerth, A.,\* Smith, L.,\* **Johnson, D.C.** (2017) *The effect of sustained negative arousal on fear extinction learning*. Poster presented at the annual meeting for the Midwest Psychological Association, Chicago, IL.

Ray, D.,\* Gregory, L.,\* Smith, L.,\* **Johnson, D.C.** (2017) *The effect of threat reinforcement rate on fear acquisition and regulation*. Poster presented at the annual meeting for the Midwest Psychological Association, Chicago, IL.

Elkawaor, R., Godinez, M., **Johnson, D.C.** (2017) *The effect of color paper on memory*. Poster presented at the annual meeting for the Midwest Psychological Association, Chicago, IL.

Crisman, T.,\* Willwerth, A.,\* Smith, L.,\* **Johnson, D.C.** (2017). Poster presented at the Butler University Undergraduate Research Conference, Indianapolis, IN.

Ray, D.,\* Gregory, L.,\* **Johnson, D.C.** (2017) *Threat reinforcement rate mediates fear acquisition and regulation*. Poster presented at the Butler University Undergraduate Research Conference, Indianapolis, IN.

Mullen, A., **Johnson, D.C.** (2017) *Political Affiliation as predictor of response to uncanny valley stimuli*. Poster presented at the Butler University Undergraduate Research Conference, Indianapolis, IN.

Ray, D.,\* Gregory, L.,\* **Johnson, D.C.** (2017) *Threat reinforcement rate mediates fear acquisition and regulation*. Poster presented at the Manchester Undergraduate Research Conference, North Manchester, IN.

Crisman, T.,\* Willwerth, A.,\* **Johnson, D.C.** (2017) *The effect of situational stress on fear extinction learning*. Poster presented at the Manchester Undergraduate Research Conference, North Manchester, IN.

Ray, D.,\* Gregory, L.,\* **Johnson, D.C.** (2017) *Threat reinforcement rate mediates fear acquisition and regulation*. Poster presented at the annual meeting of the Association of Psychological Science, Boston, MA

Smith, M\*., Mullen, A\*., Gruel, A\*., **Johnson, D.C.** (2016). *Challenging the validity of sideline concussion tests*. Poster presented at the annual meeting for the Midwest Psychological Society, Chicago, IL.

Drysdale, A., Divencha, I., Hartley, C., **Johnson, D.C.**, et al. (2015) *Variation in Endocannabinoid Signaling Modulates Frontoamygdala Connectivity, Fear Regulation, and Anxiety in Mice and Humans*. Poster presented at the 70<sup>th</sup> annual meeting of the Society of Biological Psychiatry.

**Johnson, D.C.**, Hartley, C., Powers, A., Casey, B.J. (2014). *Reconsolidation update: a method for preventing the return of fear in adolescents*. Poster presented at the 70th annual meeting for the American Psychological Society, San Francisco, CA.

**Johnson, D.C.**, Hartley, C., Powers, A., Casey, B.J. (2014). *Reconsolidation update: a method for preventing the return of fear in adolescents*. Poster presented at the annual meeting for the Cognitive Neuroscience Society, Boston, MA.

Schiller, D. Monfils, M.H., Raio CM, **Johnson, D.C.**, LeDoux, J.E., Phelps, E.A. (2008). *Retrieval prior to extinction prevents the return of fear*. Poster presented at the International Symposium on Attention and Performance XXII, Stowe, VT.

Schiller, D. Monfils, M.H., Raio CM, **Johnson, D.C.**, LeDoux, J.E., Phelps, E.A. (2008). *Behavioral blockade of the return of fear in humans*. Poster presented at the Society for Neuroscience Annual Meeting, Washington, D.C.

Schiller, D., Monfils, M.H., Raio CM, **Johnson, D.C.**, LeDoux, J.E., Phelps, E.A. (2008). *Extinction training during memory reconsolidation prevents the return of fear in humans*. Poster presented at the Pavlovian Society Annual Meeting, Weehawken, NJ.

Sharot, T., **Johnson, D.C.**, Dudai, Y. Raio, CM, & Phelps, E. (2008). *The (near) future is bright: how emotion modulates simulation of everyday future events*. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.

### **Invited Talks**

**Johnson, D.C.** *Monet, the brain and the illusory motion effect*. (2015). Women's Art Society, North Manchester, IN

### **Campus and Departmental Talks**

**Johnson, D.C.** (2017). *The seductive allure of neuroscience: What brain imaging (and genes) can and can't tell us about the disordered mind*, special seminar, Manchester University, North Manchester, IN

**Johnson, D.C.** (2015). *Enhancing fear regulation*. Sackler Advisory Board, Weill Cornell Medical College, New York, NY

### **STUDENT ADVISING AND MENTORING**

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**2019 Summer Research Program, Advisor**, York College, CUNY

**Undergraduate Honor Thesis Mentor**, Manchester University

April Mullen, "Political affiliation as predictor of the uncanny valley effect" (2017)

Taylor Crisman, "Disrupting Fear: Testing the limits of reconsolidation update" (2018)

**Psi Chi Student Research Grant advisor**, Manchester University

Taylor Crisman, "Disrupting Fear: Testing the limits of reconsolidation update" (2018)

Leah Smith, "The effect of reinforcement rate on fear memory strength" (2018)

**2018 Summer Faculty-Student Research Program Advisor**, Manchester University

Ava McVey, "The impact of shared political affiliation on observational fear learning" (2018)

Academic advising (2015 – present)

### **SERVICE**

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#### **Department**

**Course Coordinator**, Statistical Methods in Psychology, York College, Dept. of Behavioral Sciences, 2019-present

#### **College/University**

**Admissions Committee** for the Master's Program in Cognitive Neuroscience, The Graduate Center, CUNY, 2019

**Faculty Hiring Committee** for Asst. Professor in Biology, Manchester University, 2018

**Academic Governance Committee**, Manchester University (elected member), 2018

**Undergraduate Programs Assessment Committee**, Manchester University (member),  
2017 - 2018

**Special Discussion Day Committee**, Manchester University (ad hoc committee member), 2017

### **Community**

**New York City Science and Engineering Fair**, 2019 (prelims judge)

### **PROFESSIONAL DEVELOPMENT**

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**Active Teaching and Learning Institute, York College, CUNY** (participant) Received training in various pedagogical skills including how to (1) use various learning technologies, (2) design courses in alignment with program and institutional SLOs, (3) design effective assignments and assessments, (4) optimize learning modules for different platforms (face to face, online, hybrid and large classes), 2019

### **ORGANIZATIONS**

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Society for Neuroscience  
Cognitive Neuroscience Society  
American Psychological Society  
Midwestern Psychological Association  
Society for the Improvement of Psychological Science

### **TECHNICAL SKILLS**

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Statistical Analysis Techniques: regression, univariate (e.g. ANOVA), multivariate, probabilistic  
Software: Excel, MATLAB, ePrime, SPSS, AFNI, AcqKnowledge  
Additional software/computer languages: Adobe Photoshop, HTML, Unix Mac OS X and  
Microsoft Windows operating systems  
Experimental Design (laboratory, neuroimaging, psychophysiology behavioral)

### **RESEARCH INTERESTS**

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Emotional learning and memory processes, psychophysiology, emotion, fear, anxiety, pedagogy, the science of learning, music cognition