

Dr. David Charles Johnson

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EDUCATION

- 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

- 2018 – present Assistant Professor, Dept. of Behavioral Sciences
York College (Jamaica, NY) and The Graduate Center (New York, NY)
City University of New York (CUNY)
- 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 Instructor, Dept. of Psychology, Barnard College, Columbia University,
New York, NY
- 2014 - 2015 Adjunct Instructor, Dept. of Psychology, Baruch College, City University of New York,
New York, NY
- 2008 – 2010 Lab Manager, 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)

York College

The City University of New York (CUNY)

Jamaica, NY

2018 – present

Courses taught:

Statistical Methods in Psychological Science (face-to-face and online)

Experimental Methods (face-to-face and online)

The Graduate Center

The City University of New York (CUNY)

New York, NY

2018 - present

Courses taught:

The Emotional Mind

Manchester University

North Manchester, Indiana

2015 – 2018

Courses taught:

Cognitive Neuroscience (face-to-face and online)

Introduction to Psychology

Cognitive Psychology (face-to-face and online)

Sensation and Perception

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

Peer Reviewed Journal Articles

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

Schiller, D., Monfils, M.H., Raio, C.M., **Johnson, D.C.** *et al.* Addendum: Preventing the return of fear in humans using reconsolidation update mechanisms. *Nature* **562**, E21 (2018).

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.

WORKS IN PROGRESS

Accepted in principle

Forscher, P. S., Taylor, V. J., Cavagnaro, D., Lewis Jr, N., Buchanan, E. M., Moshontz, H., **Johnson, D.C.** ... & Chartier, C. R. Stereotype Threat in Black College Students Across Many Operationalizations. *Nature Human Behaviour*.

*Submitted (**indicates publications with undergraduate student co-authors)*

Johnson, D.C., Ho, V., Uddin, B. & Tetteh-Quarshie, S. The validity of response magnitude during fear acquisition as an index of strength of learning: Methodological considerations. ** *Under Review*.

*In-progress (not yet submitted) (** indicates publications including undergraduate student co-authors)*

Johnson, D.C., Nelson, D. Students' attitudes and beliefs about lecture style college classes. In prep. **

Johnson, D.C., Haskell, M., Ho, V. Testing a protocol for overtraining cued fear in humans. In prep. **

GRANTS, AWARDS & FELLOWSHIPS

2020 GRTI R22 Equipment Award, “Using mobile technology to study fear learning and regulatory processes in naturalistic environments” (\$9,500)

2019 Stewart Travel Award, CUNY Academy for the Humanities and Sciences (\$250 for conference travel)

2019 GRTI R21 Equipment Award, “Exploring Gender Effects in Observational Fear Learning” (\$26,000)

2018	National Institutes of Health (NIMH division), R15 AREA grant (PI), “ <i>Disrupting fear: testing the limits of memory reconsolidation</i> ” (2018-2022; \$377,000)
2018	Lily Endowment Call to Action Grant, Eli Lily and Company, “ <i>Developing a hands-on psychophysiology laboratory class and certification program</i> ” (\$5000)
2018	Lily Endowment Call to Action Grant, Eli Lily and Company, “ <i>Revitalizing undergraduate statistical training</i> ” (\$1400)
2018	Manchester University Summer 2018 Faculty-Student Research Grant, “ <i>The effect of shared political attitudes and beliefs on observational 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> ” (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 multidisciplinary look at compulsive hoarding disorder</i> ” (\$1500)

REVIEWER

Journals (ad hoc)

Scientific Reports
 Psi Chi Journal of Psychological Research
 Developmental Science
 Consciousness and Cognition
 Journal of Experimental Child Psychology

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

(*indicates an undergraduate student working under my mentorship; last author = senior author)

Haskell, M., Ho, V*. **Johnson, D.** (2022). *Overtraining fear in humans*. Poster presented at the annual meeting for the Eastern Psychological Association, New York, NY.

Ho, V*., Uddin, B*., Tetteh-Quarshie, S*, **Johnson, D.C.** (2020). *Operationalizing fear memory strength*. Poster presented at the virtual meeting for the Eastern Psychological Association.

Johnson, D.C., Ho, V*., Uddin, B*., Tetteh-Quarshie, S*. (2019). *Operationalizing fear memory strength*. Poster 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.

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 a 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 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 70th 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. *Operationalizing Fear Memory Strength*, (2020). Cognitive and Comparative Psychology Program, Fall Colloquium Series, The Graduate Center, City University of New York. New York, NY

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 series, 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

Advisor for multiple students in the Cognitive Neuroscience MS program, CUNY Graduate Center (2020 - present)

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

Department

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

Resources Committee, York College, 2018-present

College/University

Executive Committee for the M.S. in Cognitive Neuroscience program, The Graduate Center, CUNY, (elected member), 2019-present

Admissions Committee for the M.S. in Cognitive Neuroscience program, The Graduate Center, CUNY, 2019-present

Admissions Committee for the PhD program, CUNY Neuroscience Collaborative (CNC), The Graduate Center, CUNY, 2022-present

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

Active Teaching and Learning Institute, York College, CUNY, 2019 (participant)

Received training in various pedagogical skills including how to (1) use various e-learning technologies, (2) design courses in alignment with program and institutional SLOs, (3) design effective assignments and assessments, and (4) customize learning modules for different learning environments (face to face, online, hybrid and large classes)

ORGANIZATIONS

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

TECHNICAL SKILLS

Software: Excel, ePrime, SPSS, AFNI, R, 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

Emotional learning and memory processes, psychophysiology, social cognition, fear, anxiety, the science of learning