

Jason D. Runyan

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Education

- 2009, DPhil, University of Oxford
- 2005, MSt, University of Oxford
- 2003, MS, University of Texas
- 2001, BA, Wheaton College, IL

Positions

**Associate Professor,
Psychology & Honors College**

2013-present
Indiana Wesleyan University

Co-founder, LifeData LLC

2014-present
lifedatcorp.com

Co-Principle Investigator, EMA Lab

2011-present
Indiana Wesleyan University
emaresearch.org

Assistant Professor, Psychology

2010-13
Indiana Wesleyan University

Instructor, Psychology

2008-09
Indiana Wesleyan University

Tutor, Philosophy of Neuroscience

2006-07
University of Oxford

Senior Research Assistant, Dash Lab

2003-04
University of Texas

Research Fellow, Dash Lab

2002-03
University of Texas

Awards & Fellowships

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- 2015-present, Research Fellow, Lumen Research Institute, Excelsia College
 - 2015-16, Hind's Research Fellowship, Indiana Wesleyan University
 - 2013-14, Hind's Research Fellowship, Indiana Wesleyan University
 - 2011-12, Hind's Research Fellowship, Indiana Wesleyan University
 - 2014-15, Lilly Research Award, Indiana Wesleyan University
 - 2013-14, Lilly Research Award, Indiana Wesleyan University
 - 2011-12, Lilly Research Award, Indiana Wesleyan University
 - 2010, Lilly Research Award, Indiana Wesleyan University
 - 2012, Research Fellow, Biola University
 - 2010-11, President's Young Scholar Award, Indiana Wesleyan University
 - 2009, National Institute of Health Grant
 - 2007, Squire Marriot Fellowships, University of Oxford
 - 2006, Travel Grant, Advanced Research Seminar Series in Science and Religion, John Templeton, Yucatan Peninsula, Mexico
 - 2005, Squire Marriot Fellowships, University of Oxford
 - 2003, Dee S. and Patricia Osborne Endowed Fellowship, University of Texas
 - 2003, Best Graduate Research Award, 10th Annual Research Presentation Session, Neuroscience Research Center, University of Texas.
 - 2003, 22nd McGovern Research Award, Houston Science Center, University of Texas
 - 2001-03, Research Fellowship, University of Texas, Houston Medical School

Publications

Books & Chapters

Runyan, JD, 'Emergence and causal agents: A reply to Moreland', in T. Crisp, S. Porter, G. Ten Elshof (eds.), *Neuroscience and the Soul: The human person in philosophy, science and theology* (Eerdmans, 2016).

Morin, A., Runyan, JD, Brinthaup, TM (eds.), *Inner Experiences: Theory, Measurement, Frequency, Content, and Functions* (Frontiers in Psychology: Cognitive Psychology, 2015).

Runyan, JD, *Human Agency and Neural Causes: Philosophy of Action & the Neuroscience of Voluntary Agency* (Palgrave Macmillan, 2013).

Dash PK, Runyan JD, Blum S, Hebert AE, Papanicolaou, A, 'Putative Cerebral Mechanisms of Memory', in A. Papanicolaou (ed.) *The Amnesias: A Clinical Textbook of Memory Disorders* (Oxford University Press, 2005).

Papers

Runyan, JD, Fry, BN, Devers, E, Steenbergh, TA (*in process*). The efficacy of an empathy ecological momentary intervention.

Runyan, JD (*in process*). Agent-causal libertarianism, statistical neural laws and wild coincidences.

Runyan, JD (*under review*). Moral responsibility, purposive behavior and causal determinism: A new incompatibilist argument.

Fry, BN, Runyan, JD (*under review*). Empathic concern and altruism in the smartphone age.

- Runyan, JD, Fry, BN, Devers, E, Arbuckle, N, Steenbergh TA, Dunbar*, K (*under review*). Do virtues exist? An experience sampling study of compassion and eudaimonic well-being.
- Runyan, JD (*under review*). Powers, the dispositional modality and a new argument against causal determinism.
- Runyan JD (2016). Events, agents, and settling whether and how one intervenes. *Philosophical Studies*. doi: 10.1007/s11098-015-0572-4.
- Daugherty, D. A., Fratzke, B. F., Steenbergh, T. A., Runyan, J. D. & Fry, B. (2016). Assessment and intervention in the wild: Possibilities for redeeming the smartphone. *Journal of Psychology & Christianity*.
- Morin, A., Runyan, JD, Brinthaup, TM (2015). Editorial: Inner Experiences: Theory, Measurement, Frequency, Content, and Functions. *Frontiers in Psychology: Cognitive Psychology*. doi: 10.3389/fpsyg.2015.01758.
- Runyan JD and Steinke*, E (2015). Virtues, ecological momentary assessment /intervention and smartphones. *Frontiers in Psychology: Cognitive Psychology*. doi: 10.3389/fpsyg.2015.00481.
- Runyan JD (2014). Are we free? *The Table: The Blog for the Biola University Center for Christian Thought*.
- Runyan JD, Steenbergh TA, Bainbridge*, C, Daugherty DA, Oke L, Fry BN (2013). A smartphone ecological momentary assessment/Intervention “app” for collecting real-time data and promoting self-awareness. *PLoS ONE* 8(8): e71325. doi:10.1371/journal.pone.0071325.
- Steenbergh, TA, Runyan, JD, Daugherty, D, Winger*, JG (2012). Neuroscience exposure and perceptions of client responsibility among addictions counselors. *Journal of Substance Abuse Treatment*. 42: 421-428.
- Runyan, JD, Kreitzer, M (2010). The neuroscience of religious experience—A review essay. *Christian Scholars Review*. 39 (2): 469-477.
- Dash, PK, Moore, AN, Kobori, N, Runyan JD (2007). Molecular activity underlying working memory. *Learning and Memory*. 14 (8): 554-563.
- Blum S, Runyan JD, Dash PK (2006). Inhibition of prefrontal protein synthesis following recall does not disrupt memory for trace fear conditioning. *BMC Neuroscience*. 7(1): 67.
- Runyan JD, Moore AN, Dash PK (2005). A role for prefrontal calcium-sensitive protein phosphatase and kinase activities in working memory. *Learning and Memory*. 12(2): 103-110.
- Runyan JD, Dash PK (2005). Distinct prefrontal molecular mechanisms for information storage lasting seconds versus minutes. *Learning and Memory*. 12(3): 232-238.
- Struthers WM, DuPriest A, and Runyan J (2005). Habituation reduces novelty-induced FOS expression in the striatum and cingulate cortex. *Experimental Brain Research*. 167(1): 136-40.
- Runyan JD, Moore AN, Dash PK (2004). A role for the prefrontal cortex in memory storage for trace fear conditioning. *The Journal of Neuroscience*. 24(6): 1288-1295.

* Undergraduate student author

Dash PK, Hebert AE, Runyan JD (2004). A unified theory of memory consolidation. *Brain Research Reviews*. 45(1): 30-37.

Runyan JD, Dash PK (2004). Inhibition of hippocampal protein synthesis following recall disrupts episodic-like memory in trace conditioning. *Hippocampus*. 15(3): 333-9.

Runyan JD, Dash PK (2004). Intra-prefrontal administration of SCH-23390 attenuates Erk phosphorylation and long-term memory for trace fear conditioning in rats. *Neurobiology of Learning and Memory*. 82(2): 65-70.

Talks & Presentations

'Smartphone-based ecological momentary assessment: Understanding life as it's lived'. NIH Distinguished Speaker Series. Washington State University. *Spring 2016. Invited Speaker*

'mSuccess: Using smartphones to foster success among first-year students'. First Year Experience Conference. Orlando, FL. *Spring 2016*.

'A smartphone-app based experience sampling study of compassion and flourishing'. Association of Psychological Science Convention. Chicago, IL. *Spring 2016*.

'Stability in compassion, stability flourishing: An experience sampling study'. Midwestern Psychological Association Convention. Chicago, IL. *Spring 2016*.

'Smartphone-based assessment: New possibilities for understanding life as it is lived'. Indiana University/Purdue University, Indianapolis. *Fall 2015. Invited Speaker*

'Qualitative analysis of gratitude expressions collected using ecological momentary assessment'. Association for Psychological Science Convention. New York, NY. *Summer 2015*.

'An ecological momentary gratitude intervention increases and stabilizes mood in the moment'. Association for Psychological Science Convention. San Francisco, CA. *Summer 2014*.

'Individual differences associated with use of a smartphone app-based EMA/I system'. Association for Psychological Science Convention. San Francisco, CA. *Summer 2014*.

'Effects of a smartphone-delivered gratitude intervention assessed by ecological momentary assessment'. Midwestern Psychological Association Convention. Chicago, IL. *Spring 2014*.

'Researcher Looking for Meaningful Relationship with Smartphone User: Data Suggests Long-Term Possibilities'. Midwestern Psychological Association Convention. Chicago, IL. *Spring 2014*.

'Reply to Richard Swinburn'. Neuroscience and the Soul Conference. Center for Christian Thought, Biola University. *Spring 2013. Invited Speaker*

'Neuroscience, dualism & freewill'. Center for Christian Thought Seminar. Biola University. *Fall 2012. Invited Speaker*

'iHabit: A new approach to EMA [Ecological Momentary Assessment]'. American Psychological Association Annual Convention. Orlando, FL. *Summer 2012*.

'The domain-specificity of scientific theories and their laws'. Graduate Seminar Series. University of Oxford. *January 2006*.

'Conscious of consciousness: causal reductionism, neuroscience research, and phenomenology'. Graduate Seminar Series. University of Oxford. *February 2005*.

'A role for prefrontal cortex memory storage in trace conditioning retention'. 10th Annual Neuroscience Presentation Session, Neuroscience Research Center. University of Texas. *December 2003*.

'Prefrontal cortex stores long-term memory in trace fear conditioning'. 22th Annual University of Texas Research Day. *November 2003*.

'Plasticity within the rat prefrontal cortex is required for retention of trace conditioning'. Society of Neuroscience 31st annual meeting. New Orleans, LA. *November 2003*.

'BMP4 and traumatic brain injury'. Research tutorial presentation. Neurobiology and Anatomy Dept. University of Texas. *May 2002*.

'Spatial selectivity in the anterior inferotemporal cortex of the macaque monkey'. Research Tutorial Presentation. Neurobiology and Anatomy Dept. University of Texas. *February 2002*.

'Color-selective spots in area V2 of the macaque monkey'. Research Tutorial Presentation. Neurobiology and Anatomy Dept. University of Texas. *December 2001*.

Teaching

- I have designed and taught the following undergraduate courses: *Physiological Psychology, Learning & Cognition, Research Methods for Behavioral Sciences, Statistics for Social Sciences, Integrative Neuroscience*, and *What is Humanity?*, an interdisciplinary philosophy and psychology course for the John Wesley Honors College.
- I have successfully supervised 4 honors undergraduate theses.
- I have led student trips to Haiti and Ethiopia.

References

John Hyman
Professor, Philosophy
University of Oxford
john.hyman@queens.ox.uk.ac

Pramod K. Dash
Professor, Neurobiology & Anatomy
University of Texas
Health Science Center, Houston
p.dash@uth.tmc.edu

Timothy Steenbergh
Professor, Psychology Department
Indiana Wesleyan University
timothy.steenbergh@indwes.edu