



Jason D. Runyan

Professor, Indiana Wesleyan University
4201 S. Washington St.
Marion, IN 46953
USA

 (765) 243-1301

 jason.runyan@indwes.edu

EDUCATION

2010
University of Oxford
DPhil

2005
University of Oxford
MSt, Science and Religion

2003
University of Texas
MS, Neuroscience

2001
Wheaton College
BA, Psychology & Theology

POSITIONS

**Professor
Psychology**
2018-present
Indiana Wesleyan University

**Principle Investigator
EMA Lab**
2021-present
Indiana Wesleyan University
emaresearch.org

Co-founder, LifeData LLC
2014-present
lifedatacorp.com

**Associate Professor
Honors College & Psychology**
2013-18
Indiana Wesleyan University

AWARDS & FELLOWSHIPS

2021-24:

- University Scholar Award, Indiana Wesleyan University
- Lilly Research Grant, Indiana Wesleyan University

2020:

- Research Sabbatical, Indiana Wesleyan University

2015-19:

- Research Fellow, Lumen Research Institute, Excelsia College

2017-18:

- Outstanding Faculty Scholarship Award, Indiana Wesleyan University
- Lilly Research Grant, Indiana Wesleyan University

2015-16:

- Hind's Research Fellowship, Indiana Wesleyan University

2011-14:

- Hind's Research Fellowship, Indiana Wesleyan University

2010-15:

- Lilly Research Grant, 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 Fellowship, University of Oxford

2006:

- Travel Grant, Advanced Research Seminar Series in Science and Religion, John Templeton, Yucatan Peninsula, Mexico

2005:

- Squire Marriot Fellowship, University of Oxford

2003:

- Dee S. and Patricia Osborne Endowed Fellowship, University of Texas
- Best Graduate Research Award, 10th Annual Research Presentation Session, Neuroscience Research Center, University of Texas.
- 22nd McGovern Research Award, Houston Science Center, University of Texas

2001-03:

- Research Fellowship, University of Texas, Houston Medical School

PUBLICATIONS

Books, Chapters & Special Issues

Runyan, JD, 'Including or excluding free will', in Marilena Streit-Bianchi & Vittorio Gorini (eds.), *New Frontiers in Science in the Era of AI* (Springer Nature, 2024).

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).

Faculty Vice-Chair
College of Arts & Sciences
2016-17
Indiana Wesleyan University

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

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, Papanicolau, A, 'Putative Cerebral Mechanisms of Memory', in A. Papanicolaou (ed.) *The Amnesias: A Clinical Textbook of Memory Disorders* (Oxford University Press, 2005).

Articles

Runyan, JD, Brooks, NW (2022). Evidence for the standard model, multiple trace theory, or the unified theory? *Cognitive Neuroscience*. doi: 10.1080/17588928.2022.2076663.

Runyan, JD (2020). The convention and neuroscience of free will. *Sapientia: A periodical of the Henry Center*.

Runyan, JD, Moore, AN, Dash, PK (2019). Coordinating what we've learned about memory consolidation. *Biobehavioral and Neuroscience Review*. 100, 77-84.

Runyan, JD, Fry, BN, Steenbergh TA, Arbuckle, NL, Dunbar, K, Devers, EE (2019). Using experience sampling to examine links between compassion, eudaimonia, and prosocial behavior. *Journal of Personality*. 87(3): 690-701.

Runyan, JD (2018). Agent-causal libertarianism, statistical neural laws and wild coincidences. *Synthese*. 195(10):4563-4580.

Dougherty, DA, Steenbergh, TA, Runyan, JD, Fratzke, BJ, Fry, B (2018) Smartphone Delivery of a Hope Intervention: Another Way to Flourish. *PLoS ONE*. doi: 10.1371/journal.pone.0197930.

Fry, BN, Runyan, JD (2017). Teaching empathic concern and altruism in the smartphone age. *Journal of Moral Education*. 47(1): 1-16.

Runyan JD (2016). Events, agents, and settling whether and how one intervenes. *Philosophical Studies*. 173(6): 1629-1646.

Runyan JD and Steinke, E (2015). Virtues, ecological momentary assessment/intervention and smartphones. *Frontiers in Psychology: Cognitive Psychology*. doi: 10.3389/fpsyg.2015.00481.

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 (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.
- 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

- Using psychological science to help community organizations.* Midwestern Psychological Association. Chicago, IL. *Spring 2023. Invited symposium*
- Predicting relapse in addiction recovery.* Association of Psychological Science Convention. Chicago, IL. *Spring 2022.*
- Predictors of post-traumatic growth and momentary impulsivity in addiction recovery.* Association of Psychological Science Convention. Chicago, IL. *Spring 2022.*
- Post-traumatic growth, stress, and impulsivity in daily life.* Midwestern Psychological Association Convention. Chicago, IL. *Spring 2022.*
- The heartbeat of compassion: Measuring HRV in the lab and daily life.* Association of Psychological Science Convention. San Francisco, CA. *Spring 2018.*
- Compassion, culpability, and heart rate measures: A pilot study.* Association of Psychological Science Convention. San Francisco, CA. *Spring 2018.*
- A pilot study of compassion, culpability, and heart rate measures.* Midwestern Psychological Association Convention. Chicago, IL. *Spring 2018.*
- 'Automaticity, free will experiments, and human agency'. Mini-Conference on Science and Religion. Crown College, MN. *Spring 2017. Invited Speaker*

'An empathy ecological momentary intervention: using smartphones to foster attentiveness'. Midwestern Psychological Association Convention. Chicago, IL. *Spring 2017*.

'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 in 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 Swinburne'. 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*.

CONSULTING, TEACHING & SERVICE

2021-present: Principle investigator for a research project investigating predictive factors in addiction recovery with Hope House, Marion, IN.

2024-present: Research consultant for a grief support program for children and their families, funded by an Eli Lilly grant.

2023-present: Midwest-Central Regional Committee, Society for Christian Philosophers.

2022-24: Psi Chi Society Organization Committee for the Midwestern Psychology Association Convention.

2022-24: Faculty Scholarship Council, Indiana Wesleyan University.

2023: Research consultant for the clinical trial of a new HIV drug in Italy, sponsored by Jahssen and Johnson & Johnson.

2017-19: General Education faculty committee, Indiana Wesleyan University.

2016-17: Faculty Vice-Chair for the College of Arts and Sciences, Indiana Wesleyan University.

2015-16: Organized faculty seminars on the integration of science and Christian faith, Indiana Wesleyan University.

2012-2014: Led student service trips to Haiti and Ethiopia, Indiana Wesleyan University.

Designed and taught the following undergraduate courses:

- (HNR-270) *What is Humanity?* (an interdisciplinary course for the John Wesley Honors College);
- (PSY-475/BIO-396) *Integrative Neuroscience* (with Matthew Kreitzer);
- (PSY-327) *Learning & Cognition*;
- (PSY-355) *Research Methods for Behavioral Sciences* (with Tim Steenbergh);
- (PSY-322) *Physiological Psychology*;
- (MAT-305) *Statistics for Social Sciences* (with Tim Steenbergh);
- (PSY-493) *Integration of Psychology and Christianity*.

Supervised 4 (out of 4) successful honors undergraduate theses.

Supervised 2 (out of 2) successful doctoral dissertations.

Institutionally designated mentor for three new faculty members, Indiana Wesleyan University.

Curricular design, assessment, and mapping for the Psychology Department and John Wesley Honors College, Indiana Wesleyan University.