

CURRICULUM VITAE

James Edward Polston Ph.D.

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EDUCATION

- 2007-2011 Doctorate of Philosophy: Biomedical Sciences
Department of Neuroscience and
Experimental Therapeutics (DNET)
Albany Medical College, Albany, NY
Advisor: Stanley D. Glick, M.D., Ph.D.
- 2009-2011 Master of Science: Bioethics
Alden March Bioethics Institute, Albany, NY
Advisor: John Kaplan, Ph.D.
- 2003-2007 Bachelor of Arts in Psychology
University of Missouri, Columbia, MO
- 1994-1997 Undergraduate Student
English, Journalism
University of Iowa, Iowa City, IA

WORK EXPERIENCE

- 06/2015- Founder-Managing Director
Emerald Coast Research
<http://emeraldcoastresearch.org>
Tallahassee, FL
Auckland, NZ
- 02/2019- Chief Science Officer
10/2021 Helius Therapeutics
Auckland, NZ
- 08/2017- Processing Manager, Extraction Manager
01/2019 Trulieve Cannabis Corporation
Tallahassee, FL
- 11/2016- Processing Manager
05/2017 Curaleaf Holdings Inc
The Dalles, OR
- 05/2015- Scientific Consultant
11/2016 PureCure Concentrate Co.
Oakland, CA

2012-2013 Postdoctoral Scholar
The Pennsylvania State University College of
Medicine Department of Neural & Behavioral Sciences
Hershey, PA

TEACHING EXPERIENCE

2010 Research Ethics: Medical Student Summer Researchers
Lecturer--Albany Medical College

2010 Discussions in Research Integrity
Lecturer--Albany Medical College

2010 Online Research Ethics: Medical Student Summer Researchers
Teaching Assistant--Albany Medical College

GRANTS

2008-2010 National Institute on Drug Abuse (NIDA)
Predoctoral Training Grant: 5T32DA007307-10
Pharmacology and Neuroscience Training in Drug Abuse

PATENTS

2015 Blocking of Cue-Induced Drug Reinstatement
Inventors: Stanley D. Glick, James E. Polston
International Publication Number: WO2013148572
(A1) IPC: A61K31/00 CPC: A61K31/55
World Intellectual Property Organization

PROFESSIONAL MEMBERSHIPS & SERVICE

2020- Board Member-NZMCC
2020- Advisory Board-Cannabinoid Medicine Studies
2020- Advisory Board-FLOWE Technology
2019- Society of Cannabis Clinicians
2009-2013 Society for Neuroscience
2011-2013 Society for the Study of Ingestive Behaviors
2012-2013 Ad-hoc reviewer-Pharmacology, Biochemistry & Behavior

PUBLICATIONS

Pritchett, CE, Flynn H, Wang Y, **Polston, J. E.** (2022) Medical Cannabis Patients Report Improvements in Health Functioning and Reductions in Opiate Use. Substance Abuse and Misuse, epub ahead of print. <https://doi.org/10.1080/10826084.2022.2107673>

Polston J. E., Pritchett CE, Tomasko JM, Rogers AM, Leggio L, Thanos PK, Volkow ND, Hajnal A. (2013). Roux-en-Y gastric bypass increases responding for intravenous alcohol in dietary obese rats. *PLOS One*. 8(12), e83741.

Hajnal, A., Zharikov, A., **Polston, J. E.**, Fields, M.R., Tomasko J.M., Rogers, A.M., Volkow, N.D., Thanos, P.K. (2012) Alcohol Reward is Increased after Roux-en-Y Gastric Bypass in Dietary Obese Rats with Differential Effects following Ghrelin Antagonism. *PLOS One*. 7(11), e49121.

Polston, J. E., Pritchett, C. E., Sell, E. M., & Glick, S. D. (2012) 18-Methoxycoronaridine blocks contextual cue-induced reinstatement following cocaine self-administration in rats. *Pharmacology Biochemistry & Behavior* 103(1), 83-94.

Polston, J. E., Musical Cues and Drug Seeking Behavior in Rats. Ph.D. Thesis, 2011. Holdings: Albany Medical College Thesis Archives

Polston, J. E., & Glick, S. D. (2011). Music-induced context preference following cocaine conditioning in rats. *Behavioral Neuroscience*, 125(4), 674-680

Polston, J. E., Rubbinaccio, H. Y., Morra, J. T., Sell, E. M., & Glick, S. D. (2011). Music and methamphetamine: conditioned cue-induced increases in locomotor activity and dopamine release in rats. *Pharmacology Biochemistry & Behavior*, 98(1), 54-61.

Miller, D. K., **Polston, J. E.**, Rodvelt, K. R., & Will, M. J. (2011) Lobeline attenuates the locomotor-activating properties of repeated morphine treatment in rats. *Tropical Journal of Pharmaceutical Research*, 10(4): 421-429.

Cunningham, C. S., **Polston, J. E.**, Jany, J. R., Segert, I. L., & Miller, D. K. (2006). Interaction of lobeline and nicotinic receptor ligands with the discriminative stimulus properties of cocaine and amphetamine. *Drug & Alcohol Dependence*, 84(3), 211-222.

Polston, J. E., Cunningham, C. S., Rodvelt, K. R., & Miller, D. K. (2006). Lobeline augments and inhibits cocaine-induced hyperactivity in rats. *Life Sciences*, 79(10), 981-990

POSTERS

Polston, J. E., & Glick, S. D. "Musical Cues and Drug Seeking Behavior in Rats" Albany Medical College Graduate Poster Forum. AMC CNN Dept., Albany, NY, March 2011.

Polston, J. E., & Glick, S. D. "Music-Induced Drug Seeking Behavior Using an Animal Reinstatement Model of Relapse." Albany Medical College Graduate Student Poster Forum. AMC CNN Dept., Albany, NY. February 2010.

Jany, J. R., Cunningham, C. S., **Polston, J. E.**, & Miller, D. K. "Lobeline Attenuates Morphine- Induced Hyperactivity after Repeated Administration. University of Missouri Department of Psychological Sciences and Neuroscience Poster Presentation. April 2005