

Matthew K de Gannes, PhD

Clinical Research Associate

November 2022

📍 5400 Medpace Way,
Medpace, Inc., Cincinnati, OH 45227
☎ 413-588-4414
✉ matthew.degannes@gmail.com
🐦 @mdegannes
🌐 degama01
in mdgannes

Education and Qualifications

2014-2020	PhD, Environmental Genetics and Molecular Toxicology Cincinnati, OH	University of Cincinnati College of Medicine
2012-2014	M.S., Environmental Health Sciences Amherst, MA	University of Massachusetts Amherst
2008-2012	B.S., Biology Gettysburg, PA	Gettysburg College

Employment History

2020-present	Clinical Research Associate Medpace, Inc., Cincinnati, OH	Clinical Monitoring Department
2014-2020	Graduate Research Assistant University of Cincinnati, Cincinnati, OH	Department of Environmental and Public Health Sciences
2011	Research Intern American Legacy Foundation, Washington, DC	Schroeder Institute for Tobacco Research and Policy Studies

Leadership

2017-2018	President, Health Sciences Graduate Association	University of Cincinnati, Cincinnati, OH
2016-2017	Vice-President, Health Sciences Graduate Association	University of Cincinnati, Cincinnati, OH
2016	Volunteer Chair, Health Sciences Graduate Association	University of Cincinnati, Cincinnati, OH

Honors and Awards

2018	Graduate Student Award for Exemplary Initiative	University of Cincinnati, Cincinnati, OH
2018	Graduate Student Award for Exemplary Service in Life Sciences	University of Cincinnati, Cincinnati, OH
2018	Graduate Student Association of the Year	University of Cincinnati, Cincinnati, OH
2018	Graduate Student Government Research Fellowship	University of Cincinnati, Cincinnati, OH
2013	Third Place in Poster Presentations, Research Day	University of Massachusetts Amherst, Amherst, MA
2012	Fall Semester Commendation List	Gettysburg College, Gettysburg, PA
2011	Spring Semester Dean's List	Gettysburg College, Gettysburg, PA
2011	Fall Semester Commendation List	Gettysburg College, Gettysburg, PA
2009	Spring Semester Dean's List	Gettysburg College, Gettysburg, PA
2009	Fall Semester Dean's List	Gettysburg College, Gettysburg, PA

Service

2020	SciShortform Science Writing Editor	Online SciShortform Group
2019	Biomedical Careers and Research Presenter	Cincinnati Museum Center Children's Summer Camp
2017-2018	Dean's Council Graduate Student Representative	University of Cincinnati College of Medicine
2017	Three Minute Thesis Judge	University of Cincinnati College of Medicine
2016-2017	Co-developer of Project Citizen Science Initiative	University of Cincinnati

2016	Judge for Children's Science Posters	Southwest Ohio Science and Engineering Expo
2012-2013	Faculty Search Committee for Environmental Health Sciences Division	University of Massachusetts Amherst

Teaching Experience

2016	Tutor University of Cincinnati	Molecular and Cellular Biology
2014	Teaching Assistant University of Massachusetts Amherst	Introduction to Environmental Health Sciences
2012	Teaching Assistant University of Massachusetts Amherst	Introduction to Environmental Health Sciences

Conference Presentations

1. **de Gannes, M.**, Ko, C.I., Biesiada, J., Zhang, X., Medvedovic, M., Puga, A. (2019). TCDD Alters Dynamic DNA Methylation Patterns Crucial for Cardiomyocyte Maturation and Implicated in Disease. Ohio Valley Society of Toxicology Annual Meeting. *Cincinnati, OH, 2019*
2. Kreslake, J.M., Cantrell, J., Vallone, D.M., Tacelosky, M., Ganz, O. Dubois, P., **de Gannes, M.**, Pearson, J.L., Kirchner, T.R. (2012). Development and Implementation of a Mobile Phone-based System for Surveillance of Point-of-Sale Tobacco Marketing Tactics. Society for Research on Nicotine and Tobacco Annual Meeting. *Houston, TX, 2012*

Conference Abstracts

1. **de Gannes, M.K.**, Ko, C.I., Biesiada, J., Zhang, X., Medvedovic, M., Puga, A. (2020). TCDD Alters Dynamic DNA Methylation Patterns Crucial for Cardiomyocyte Maturation and Implicated in Disease. Society of Toxicology Annual Meeting. *Anaheim, CA, 2020*

Research Dissertations

PhD Dissertation

1. **de Gannes, M.** Dioxin Impact on Cardiac Development, Structure, Function, and Health, and Implications for Disease. PhD Dissertation. University of Cincinnati College of Medicine.
+ **Advisor:** Dr. Alvaro Puga (Department of Environmental and Public Health Sciences)

M.S. Thesis

1. **de Gannes, M.** Rapid Method of Processing Sperm for Nucleic Acid Extraction in Clinical Research. M.S. thesis. University of Massachusetts Amherst.
+ **Advisor** Dr. Richard Pilsner (Department of Environmental Health Sciences)

Publications

Journal Articles

1. **de Gannes, M.**, Koch, S., Puga, A., & Rubinstein, J. (2021). Developmental and Lifelong Dioxin Exposure Induces Measurable Changes in Cardiac Structure and Function in Adulthood. *Scientific Reports*, **11**(1), 10378. doi:10.1038/s41598-021-89825-w
2. **de Gannes, M.**, Ko, C.I., Zhang, X., Biesiada, J., Niu, L., Koch, S., Medvedovic, M., Rubinstein, J., & Puga, A. (2020). Dioxin Disrupts Dynamic DNA Methylation Patterns in Genes that Govern Cardiomyocyte Maturation. *Toxicological Sciences*, **178**(2), 325-337. doi:10.1093/toxsci/kfaa153
3. Ko, C. I., Fan, Y., **de Gannes, M.**, Wang, Q., Xia, Y., & Puga, A. (2016). Repression of the Aryl Hydrocarbon Receptor Is Required to Maintain Mitotic Progression and Prevent Loss of Pluripotency of Embryonic Stem Cells. *Stem Cells*, **34**(12), 2825-2839. doi:10.1002/stem.2456
4. Wu, H., **de Gannes, M. K.**, Luchetti, G., & Pilsner, J. R. (2015). Rapid Method for the Isolation of Mammalian Sperm DNA. *Biotechniques*, **58**(6), 293-300. doi:10.2144/000114280
+ Co-first author