

Gordon J. Getzinger

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Education & Training

Duke University (2010 to present)

Nicholas School of the Environment , Environmental Analytical Chemistry Group
Graduate Researcher
Supervisor: P. Lee Ferguson, Ph.D.
GPA 3.74/4.0

ETH-Zürich (2014-01 to 2014-06)

Institute of Biogeochemistry and Pollutant Dynamics, Environmental Chemistry
Guest Researcher
Supervisor: Kristopher McNeill, Ph.D.

Loyola University Chicago (2006 to 2010)

Bachelor of Arts, Chemistry
Bachelor of Science, Environmental Science
Cum Laude, GPA 3.61/4.0

Awards & Honors

- Honorable Mention, US National Science Foundation Graduate Research Fellowship Competition (2010)
- Sarussi Scholarship for Undergraduate Research in Organic Synthesis, Loyola University Chicago (2007)
- Jesuit High School Scholarship, Loyola University Chicago (2006 to 2010)

Publications in Refereed Journals¹

1. **Getzinger, Gordon J.**; O'Connor, Megan P.; Hoelzer, Kathrin; Drollette, Brian D.; Karatum, Osman; Deshusses, Marc A.; Ferguson, P. Lee; Elsner, Martin; Plata, Desiree L. Natural Gas Residual Fluids: Sources, Endpoints, and Organic Chemical Composition after Centralized Waste Treatment in Pennsylvania. *Environ. Sci. Technol.* **2015** 51(60). [10.1021/acs.est.5b00471](https://doi.org/10.1021/acs.est.5b00471)

¹†denotes co-first author

2. Fang, M.; **Getzinger, G. J.**[†]; Cooper, E. M.; Clark, B. W.; Garner, L. V. T.; Giulio, R. T. D.; Ferguson, P. L.; Stapleton, H. M., Effect-directed analysis of Elizabeth river pore water: Developmental toxicity in zebrafish (*Danio rerio*). *Environ Toxicol Chem* **2014**. [10.1002/etc.2738](https://doi.org/10.1002/etc.2738)
3. Stapleton, H.M.; Sharma, S.; **Getzinger, G. J.**; Ferguson, P.L.; Gabriel, T.; Webster, F.; Blum, A. Novel and High Volume Flame Retardants in US Couches Reflective of the 2005 PentaBDE Phase Out. *Environ. Sci. Technol.* **2012**.46(24), 13432-13439. [10.1021/es303471d](https://doi.org/10.1021/es303471d).

Presentations

13. **Getzinger, G.J.**; Ferguson, P.L. Identifying transformation products of organic micropollutants in conventional wastewater treatment by high-resolution mass spectrometry and differential non-targeted screening. National Meeting of the American Chemical Society. Boston, MA. August 2015. *Talk*.
12. **Getzinger, G.J.**; Ferguson, P.L.. Occurrence and Fate of Aryl Phosphite Polymer Additives in Marine Sediments. Annual meeting of the Association of Environmental Engineering and Science Professors. New Haven, CT. June 2015. *Poster*.
11. **Getzinger, G.J.**; Ferguson, P.L.; McNeill, K. Photosensitized Transformations of Aryl Phosphite Polymer Additives. Gordon Research Conference, Environmental Sciences: Water. Holderness, NH. June 2014. *Poster*.
10. **Getzinger, G.J.**; Beck, J. Analysis of Targeted and Non-targeted Contaminants in Storm Water Retention Ponds. Chemical and Engineering News Webinar. July 2013. *Webinar*.
9. **Getzinger, G.J.**; Ferguson, P.L.; Beck, J.; Yang, C.; Schoutsen, F. Analysis of Targeted and Non-Targeted Identified Contaminants in Storm Water Retention Ponds Using LC-HRMS With Online Solid Phase Extraction. Annual Meeting of the American Society of Mass Spectrometry. Minneapolis, MN. June 2013. *Poster*
8. **Getzinger, G.J.**; Ferguson, P.L., Non-targeted identification of wastewater and stormwater derived organic micropollutants in the Ellerbe Creek Watershed (Durham, NC) by HPLC-high resolution mass spectrometry. Triangle Area Mass Spectrometry Discussion Group. Research Triangle Park, NC. May 2013. *Invited Talk*.
7. **Getzinger, G.J.**; Ferguson, P.L. Non-targeted analysis of emerging contaminants in wastewater and wastewater impacted aquatic environments. Society of Environmental Toxicology and Chemistry. Long Beach, CA. November 2012. *Talk*.
6. **Getzinger, G.J.**; Ferguson, P.L. Non-targeted analysis of emerging contaminants in wastewater impacted environments. Gordon Research Conference, Environmental Sciences: Water. Holderness, NH. June 2012. *Poster*.

5. **Getzinger, G.J.**; Ferguson, P.L. Non-targeted analysis of emerging contaminants in wastewater impacted aquatic environments. Thermo Scientific Users Meeting at the Annual Meeting of the American Society for Mass Spectrometry. Vancouver, BC. May 2012. *Invited Talk*.
4. **Getzinger, G.J.**; Ferguson, P.L. Two-dimensional liquid chromatography high resolution mass spectrometry for the analysis of polar organic contaminants in the aquatic environment. Society of Environmental Toxicology and Chemistry Annual Meeting, Boston, MA. November 2011. *Poster*.
3. **Getzinger, G.J.**; Ferguson, P.L. Two-dimensional liquid chromatography high resolution mass spectrometry for the analysis of complex environmental samples. International Conference of Chemistry and the Environment, Zurich Switzerland. September 2011. *Poster*.
2. **Getzinger, G.J.**; Ferguson P.L. Analysis of oil spill dispersants and degradation products in seawater by two-dimensional liquid chromatography-high resolution mass spectrometry. Society of Environmental Toxicology and Chemistry Gulf Oil Spill Meeting, Pensacola Beach, FL. April 2011. *Poster*.
1. **Getzinger, G.J.**; Ferguson, P.L. Analysis of oil spill dispersants and degradation products in seawater by liquid-chromatograph-high resolution Orbitrap mass spectrometry. Society of Environmental Toxicology and Chemistry Annual Meeting, Portland, OR. November, 2010. *Poster*.

Experience

- **Duke University**, Guest Instructor, Department of Civil and Environmental Engineering, Environmental Analytical Chemistry. (Spring 2012, Fall 2012)
- **Duke University**, Teaching Assistant, Nicholas School of the Environment, Environmental Chemistry and Toxicology. (Spring 2011)
- **Duke University**, Teaching Assistant, Department of Civil and Environmental Engineering, Environmental Aquatic Chemistry. (Fall 2010)
- **Metropolitan Water Reclamation District of Greater Chicago–Stickney Plant**, Summer Relief Laboratory Technician, Research and Development Department. (Summer 2009)
- **Loyola University Chicago**, Teaching Assistant, Department of Chemistry, Introductory Organic Chemistry Laboratory. (2008-2010)
- **Loyola University Chicago**, Undergraduate Research Assistant, Department of Chemistry, Organic Synthesis (2008) and Analytical Chemistry (2009).

Professional Affiliations and Service

- Chair; Gordon Research Seminar, Environmental Sciences: Water; 2016.
- Discussion Leader; Gordon Research Seminar, Environmental Sciences: Water; 2014
- Session Co-chair; "Helping Contaminants Emerge: Non-targeted and Effect-directed Environmental Analysis"; National meeting of the Society of Environmental Toxicology and Chemistry; 2014.
- American Chemical Society, 2009 to present; Division of Environmental Chemistry, 2011 to present.
- Society of Environmental Toxicology and Chemistry, 2010 to present.
- American Society of Mass Spectrometry, 2011 to present.