

Maria Elena Grimmert

✉ maria@mgrimmert.com 🌐 mgrimmert.com

Curriculum Vitae, June 2023

Education

Johns Hopkins University 2016–2020
MSE in Chemical & Biomolecular Engineering
BS with Honors in Chemical & Biomolecular Engineering (Molecular and Cellular Bioengineering Track)
Minor in Visual Arts

Experience

Neurona Therapeutics 2020–
Process Associate II

Cui Lab 2017–2020
Student Researcher
Advisor: Honggang Cui, PhD (Johns Hopkins University)

Independent Researcher 2011–2016
Advisor: Hui Li, PhD (Michigan State University)

Publications

Collagen-Binding Peptide-Enabled Supramolecular Hydrogel Design for Improved Organ Adhesion and Sprayable Therapeutic Delivery 2022
Caleb F. Anderson, Rami W. Chakroun, [Maria E. Grimmert](#), Christopher J. Domalewski, Feihu Wang, Honggang Cui.
In *American Chemical Society Nano Letters*.

Inhalable nanotherapeutics to improve treatment efficacy for common lung diseases 2019
Caleb F. Anderson, [Maria E. Grimmert](#), Christopher J. Domalewski, Honggang Cui.
In *Wiley Interdisciplinary Reviews: Nanomedicine & Nanobiotechnology (WIRE)*.

Adsorption of Sulfamethazine from Environmentally Relevant Aqueous Matrices onto Hypercrosslinked Adsorbent MN250 2015
[Maria E. Grimmert](#).
In *Journal of Environment Quality (JEQ)*.

Removal of Sulfamethazine by Hypercrosslinked Adsorbents in Aquatic Systems 2013
[Maria E. Grimmert](#).
In *Journal of Environment Quality (JEQ)*.

Awards and Honors

Sarah K. Doshna Undergraduate Research Award and Francis J. and Mary T. Fisher Research Award	2019
For contributions to ChemBE research at Johns Hopkins University.	
Elenora Streb Muly Award	2019
Research stipend of \$4,000.	
Dean's List	2016–2020
Earned by students achieving a term GPA of 3.5 or above.	
Westgate Scholar	2016–2020
Merit-based full tuition scholarship to Johns Hopkins University (~\$220,000).	
Intel Science Talent Search	2016
Top 40 national finalist from application pool of 1,750.	
Intel International Science and Engineering Fair (ISEF)	2013–2016
Three-time Grand Award honoree, Environmental Science (2013–2015). Four-time consecutive ISEF Finalist (2013–2016).	
Siemens Math, Science & Technology Competition	2015
U.S. national champion and \$100,000 grand prize awardee from pool of 1,781 research projects.	
Stockholm Junior Water Prize	2015
National finalist and Florida state champion.	
American Chemical Society Emerging Leader Award	2014
Division of Environmental Chemistry, among nominee pool of PhD graduate students.	
Broadcom MASTERS National Science Competition	2011–2012
First Place, Mathematics (2012). Two-time top 30 National Finalist (2011 and 2012).	
MIT Lincoln Laboratory Research Honor	2011
MIT Lincoln Laboratory renamed Minor Planet 27410 “Grimmett” honoring outstanding research. Recognized by the International Astronomical Union.	

Selected Profiles & Biographies

A Young Scientist on a Journey of Discovery	2016
Edward G. Gregorich In <i>Journal of Environmental Quality</i> .	

Florida and New York Students Capture \$100,000 Scholarship Prizes in 2015 Siemens Competition in Math, Science & Technology	2016
Siemens Foundation. In <i>Business Wire</i> .	
A Young and Gifted Scientist	2015
Edward G. Gregorich. In <i>Journal of Environmental Quality</i> .	
Just Say ‘No’ to Drugs – in Water.	2015
Rossie Izlar. In <i>Soil Science Society of America</i> .	
This teen just won \$100,000 for figuring out a new way to purify drinking water	2015
Emma Brown In <i>The Washington Post</i> .	
A Young Scientist to Watch	2013
Dennis L. Corwin. In <i>Journal of Environmental Quality</i> .	
Maria Elena Grimmatt, Future Water Scientist	2013
Denise Roberts. In <i>Water Conditioning and Purification</i> .	

Professional Society Memberships

Sigma Xi: The Scientific Research Honor Society	2017–
<i>Full Member.</i> Research Triangle Park, NC.	
American Chemical Society	2014–
Washington, DC.	
American Society of Agronomy, Crop Science Society of America, Soil Science Society of America	2014–
Madison, WI.	

Presentations

Johns Hopkins Institute for Nanobiotechnology Undergraduate Research Symposium	2018, 2019
Baltimore, MD.	
American Chemical Society 250th National Meeting, Environmental Chemistry Division	2015
Boston, MA.	
International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America	2015
Minneapolis, MN.	
23rd American Water Resources Association Conference	2014
Fort Myers, FL.	

American Chemical Society 248th National Meeting, Emerging Leader Award Presentation	2014
San Francisco, CA.	
American Chemical Society 247th National Meeting	2014
Dallas, TX.	
American Water Resources Association Technical Meeting	2014
<i>Invited.</i> Palm Beach Gardens, FL.	
International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America	2014
Long Beach, CA.	
22nd American Water Resources Association Conference	2013
Fort Myers, FL.	
American Water Works Association National Convention	2013
Denver, CO.	
International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America	2013
Tampa, FL.	
6th Annual Palm Beach State College Biotechnology Symposium	2012
<i>Invited.</i> Palm Beach Gardens, FL.	