

Elitsa Stoyanova

contact

🏠 New York City, NY

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in elitsastoyanova

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languages

English fluent
Bulgarian fluent
Spanish beginner

programming

♥ R
Python, Unix, GitHub

courses

Bioinformatics
Statistics
Business of Science
Drug Development
Neurodevelopment
Science Policy

skills

Research, Data Analysis, Genomics, Neuroscience, Molecular Biology

experience

- 2014–Now **Rockefeller University** New York City, NY
Graduate Fellow, Advisor: Nathaniel Heintz
- Investigate the dynamics of cytosine methylation and hydroxymethylation in the developing cerebellum
 - Write custom R code to analyze and integrate large-scale genomics data
 - Spearheaded an infrastructural and technological overhaul of the lab's computational pipelines
 - Received Women in Science Fellowship
 - Attended a highly selective "Statistical Methods for Functional Genomics" course at Cold Spring Harbor Laboratories
 - Founded the Kavli Neural Systems Institute Neurogenomics Journal Club
 - Taught introductory course in coding for biologists at the New York Academy of Sciences
- 2018–Now **Data Science Initiative** New York City, NY
Founder
- Organize career panel talks with data science professionals
 - Lead R/python student discussion groups and workshops
- 2017 **The Solution Lab** New York City, NY
Consultant
- Collaborated with a team of 4 PhD candidates from 2 different fields to create an immuno-oncology newsletter for a large investment bank
 - Evaluated peer-reviewed articles for industry impact
- 2010-2014 **Ithaca College, University of Pennsylvania** Ithaca, NY/Philadelphia, PA
Undergraduate Researcher
- Elucidated the impact of Cornelia de Lange syndrome mutations
 - Studied the dynamics of a protein involved in neurodevelopment
 - characterized the structure and function of a bacterial polysaccharide deacetylase.
 - Presented a poster at the 245th National American Chemical Society meeting in New Orleans
 - Received Dana Internship Award for Research, American Chemical Society Summer Fellowship Award, TriBeta Biology Honor Society Grant and Presidential Scholarship.
 - Taught undergraduate laboratory and discussion sessions in Chemistry, Biology, Genetics, and Biochemistry for 20 students for 6 semesters.

education

- 2014–Now **PhD** Neuroscience and Genomics Rockefeller University
- 2010–2014 **BS** Biochemistry, minor in Philosophy [3.8] Ithaca College

publications

- 2018 Species and Cell-Type Properties of Classically Defined Human and Rodent Neurons and Glia, **eLife**

interests

professional: data science, healthcare, biotech. **personal:** travel, rockclimbing, yoga, cooking.