

Niko McCarty

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EDUCATION	New York University , New York, NY	09/2020-present
	M.A. in Journalism; Science, Health & Environmental Reporting	
	California Institute of Technology , Pasadena, CA	09/2018-05/2020
	M.S. Bioengineering	
	Imperial College London , London, UK	09/2017-09/2018
WRITING EXPERIENCE	MRes Systems and Synthetic Biology; Fulbright Scholar	
	University of Iowa , Iowa City, IA	08/2013-05/2017
	B.S. Biochemistry, Honors (3.94/4.00); Phi Beta Kappa	
	Managing Editor, Scienceline (New York, NY) (link)	11/2020-present
	Reporting on science and technology. Monitoring site analytics, occasional section editing, and top edits for this digital magazine.	
PRIOR RESEARCH	This Week in Synthetic Biology (New York, NY) (link)	08/2020-present
	Writing a weekly newsletter on synthetic biology research and preprints (~1000 subscribers); Production on Substack.	
	SynBioBeta.com (Pleasant Hill, CA) (link)	01/2019-04/2020
	Covering everything from synthetic indigo to yeast-made silk, DNA synthesis and carbon recycling with microbes. Several articles syndicated in Forbes and GreenBiz.	
	PLoS SynBio (San Francisco, CA) (link)	09/2019-02/2020
	Writing “behind-the-scenes” articles on trending research in synthetic biology.	
	Iowa City UNESCO City of Literature (Iowa City, IA) (link)	06/2017-08/2017
	Writing a series of articles featuring local writers and (haunted) bookstores for this national, literary nonprofit.	
	Little Village Magazine (Iowa City, IA) (link)	04/2017-08/2017
	Writing about bees and neonicotinoids, as well plastic producing microbes, for this arts and culture magazine.	
ACADEMIC PAPERS	National Writing Fellow, Phi Beta Kappa (Washington, D.C.) (link)	01/2016-05/2016
	Writing articles on the intersection of art and science during this competitive summer fellowship, including a feature on Cornel West and a piece on crocheted coral reefs.	
	California Institute of Technology, Rob Phillips Lab (link)	04/2019-05/2020
	Single-molecule biophysics and next-generation sequencing in <i>E. coli</i> .	
	Imperial College, Rodrigo Ledesma-Amaro & Tom Ellis Labs (link)	12/2017-09/2018
	CRISPR-based tools and synthetic biology research in yeast.	
	Co-Founder/Co-Leader, Iowa Synthetic Biology Laboratory (link)	12/2016-08/2017
	Leading the first synthetic biology laboratory in eastern Iowa; recruiting students and faculty mentors, fundraising \$17,000, and entering the 2017 iGEM competition.	
RELEVANT SKILLS	University of Iowa, E. Dale Abel Lab (link)	09/2013-08/2017
	Using immunoblotting, transgenic mice, and histology to study the link between impaired insulin signaling and heart failure.	
	Published research, including peer-reviewed articles on CRISPR technologies, microbial communities, and cardiovascular medicine, can be found on my Google Scholar .	
	JavaScript (D3, Vega-Lite, ScrollTrigger), Python (Web Scraping, NumPy, Pandas, Matplotlib/Seaborn), web development (HTML, Sass/CSS, JS), Adobe (Illustrator, Audition, basic Photoshop, basic After Effects). View my work on Observable , GitHub , and my website .	
SELECTED HONORS	Rennie Taylor/Alton Blakeslee Fellowship , CASW (link)	2020
	Arthur Carter Fellowship , New York University	2020
	Centenary Prize for MRes Systems and Synthetic Biology	2018
	Matthew Barzun Prize for Youth Engagement (link)	2018
	US-UK Fulbright Postgraduate Scholar , Imperial College London (link)	2017
	Barry Goldwater Scholar (link)	2016
	Latham Fellow in Science Communication , University of Iowa (link)	2015