

# Curriculum Vitae

Jennifer L. Goff

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## PROFESSIONAL APPOINTMENTS

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### Assistant Professor (2023)

Department of Chemistry, SUNY College of Environmental Science and Forestry

### Post-Doctoral Research Associate

Department of Biochemistry and Molecular Biology, University of Georgia, 2021-2023

### Post-Doctoral Research Associate

Department of Earth and Planetary Sciences, Rutgers, 2020-2021

## EDUCATION

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### Ph.D. in Microbial Biology, 2020

Rutgers – New Brunswick, NJ

### B.S. in Biology, 2014

Georgia Institute of Technology, Atlanta, GA

## PUBLICATIONS

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\*authors contributed equally | [mentee coauthor](#)

[11] Thorgersen MP, **Goff JL**, Poole FL II, Walker KF, Putt AD, Lui LM, Arkin AP, Hazen TC, Adams MWW. Mixed nitrate and metal contamination influences operational speciation of toxic and essential elements. **2023**. *Accepted at Environmental Pollution*.

[10] **Goff JL**, Chen Y, Thorgersen MP, Hoang LT, **Szink EG**, Poole FL II, Siuzdak G, Petzold CJ, Adams MWW. **2023**. Mixed Heavy Metals Stress Induces Global Iron Starvation as Revealed by System Level Multi-Omic Analyses. *The ISME Journal*. 17: 382-392.

<https://doi.org/10.1038/s41396-022-01351-3>. **U.S. Department of Energy Office of Science: Science Highlight**

[9] **Goff JL**, **Szink EG**, Thorgersen MP, Putt AD, Fan Y, Lui LM, Nielsen TN, Hunt KA, Michael JP, Wang Y, Ning D, Fu Y, Van Nostrand JD, Poole II FL, Chandonia, J-M, Hazen TC, Stahl DA, Zhou J, Arkin AP, Adams MWW. **2022**. Ecophysiological and genomic analyses of a representative isolate of highly abundant *Bacillus cereus* strains in contaminated subsurface sediments. *Environmental Microbiology*. 24: 5546 – 5560. <https://doi.org/10.1111/1462-2920.16173>

[8] Hao J\*, Liu W\*, **Goff JL**, Steadman JA, Large RR, Falkowski PG, Yee N. **2022**. Anoxic photochemical weathering of pyrite. *Science Advances*. 8: eabn2226. <https://doi.org/10.1126/sciadv.abn2226>

[7] **Goff JL\***, Lui LM\*, Nielsen TN, Thorgersen MP, **Szink EG**, Chandonia J-M, Poole II FL, Zhou J, Hazen TC, Arkin AP, Adams MWW. **2022**. Complete Genome Sequence of *Bacillus cereus* strain

CPT56D-587-MTF, Isolated from a Nitrate- and Metals-Contaminated Subsurface Environment. *Microbiology Resource Announcements*. 11: e00145-22. <https://doi.org/10.1128/mra.00145-22>.

[6] **Goff JL**, Wang Y, Boyanov MI, Yu Q, Kemner KM, Fein JB, Yee N. **2021**. Tellurite adsorption onto bacterial surfaces. *Environmental Science & Technology*. 55: 10378-10386. <https://doi.org/10.1021/acs.est.1c01001>.

[5] **Goff JL**, Boyanov MI, Kemner KN, Yee N. **2021**. The role of cysteine in tellurate reduction and toxicity. *BioMetals*. 34: 937-946. <https://doi.org/10.1007/s10534-021-00319-8>

[4] **Goff JL**, Shaefer JK, Yee N. **2021**. Extracellular sulfite is protective against reactive oxygen species and antibiotic stress in *Shewanella oneidensis* MR-1. *Environmental Microbiology Reports*. 13: 394-400. <https://doi.org/10.1111/1758-2229.12947>

[3] **Goff J\***, Terry L\*, Mal J, Schilling K, Pallud C, Yee N. **2019**. Role of extracellular reactive sulfur metabolites on microbial Se(0) dissolution. *Geobiology* 17:320-329. <https://doi.org/10.1111/gbi.12328>

[2] **Goff J**, Yee, N. **2017**. Tellurate enters *E. coli* K-12 cells via the SulT-type sulfate transporter CysPUWA. *FEMS Microbiology Letters* 364. <https://doi.org/10.1093/femsle/fnx241>

[1] Cooper RE, **Goff JL**, Reed BC, Sekar R, DiChristina TJ. **2016**. Breathing Metals: Molecular Mechanism of Microbial Iron Reduction by *Shewanella oneidensis* (Chapter). *Manual of Environmental Microbiology*. <https://doi.org/10.1128/9781555818821.ch5.2.1>

## GRANTS

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Project Title: *ENIGMA Equipment Proposal: High-Throughput Phenotyping of Key ENIGMA Isolates*

Amount: \$23,270 (equipment purchase)

Agency: U.S. Department of Energy

Role: Co-author (with Michael W.W. Adams)

Project Title: *Laboratory evolution of a highly abundant ORR Area 3 strain in response to heavy metal stress*

Amount: \$185,804 (Oct 2022 – Sept 2023)

Agency: U.S. Department of Energy

Role: Principal Investigator (co-PI Michael W.W. Adams, Christopher J. Petzold, Adam P. Arkin)

## FELLOWSHIPS

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Southeastern Conference (SEC) Emerging Scholars Program – Postdoctoral Award

\$10,000 (Aug 2022- May 2023)

Presidential Fellowship, Rutgers

\$75,000 (Sept 2014- June 2019)

Graduate School Excellence Fellowship, Rutgers

\$26,500 (Sept 2014- June 2015)

## AWARDS

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- First Place Postdoctoral Talk, 10<sup>th</sup> Annual Southeastern Biogeochemistry Symposium, 2023
- Microbial Biology Graduate Program Travel Award, Rutgers, 2019
- Teaching Assistant and Graduate Assistant Professional Development Fund Award, Rutgers, 2018
- School of Graduate Studies Conference Travel Award, Rutgers, 2018
- Hamo Hachnasarian Scholarship, Rutgers, 2015
- Cherry L. Emerson Research Award, Georgia Institute of Technology, 2014
- Outstanding Undergraduate Researcher Award, Georgia Institute of Technology, 2014
- President's Undergraduate Research Award, Georgia Institute of Technology, 2013

## CONTRIBUTED PRESENTATIONS

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\*JLG presenter | **mentee contributor** | #mentee presenter

### At SUNY ESF

[1] “Reactive Transport Modeling of N cycling for Prediction of N<sub>2</sub>O emitted from the Subsurface Observatory at Area 3 under Rainfall Events.” (Poster), J. Im, D. Dwivedi, A. Putt, K.F. Walker, J. Marquis, L.M Lui, A. Carr, Y. Fan, **J. Goff**, K. Hunt, J. Michael, F. Poole, Y. Wang, M. Adams, N.S. Baliga, D. Stahl, J. Zhou, M.W. Fields, T. Hazen, A.P. Arkin, and M.E. Newcomer. AGU23, San Francisco, CA, *upcoming 2023*

### Prior to SUNY ESF

[32] “Genomic controls on the biogeography of *Castellaniella* in an anthropogenically-disturbed subsurface.” (Talk), **E.G. Szink**, **J.L. Goff**, L.M. Lui, T.N. Nielsen, J.V. Kuehl, **K.L. Durrence**, F.L. Poole II, R. Chakraborty, J-M. Chandonia, A.P. Arkin, M.W.W. Adams. 10<sup>th</sup> Annual Southeastern Biogeochemistry Symposium, Atlanta, SC, 2023

[31] “Heavy metal contamination selects for mobile genetic element pool enriched in heavy metal resistance gene cassettes.” (Talk), **J.L. Goff**, L.M. Lui, T.N. Nielsen, H.J. Smith, J. Kuehl, T. Melhorn, K.F. Walker, K. Lowe, F.L. Poole II, X. Wu, R. Chakraborty, M.W. Fields, T.C. Hazen, A.P. Arkin, M.W. W. Adams. 10<sup>th</sup> Annual Southeastern Biogeochemistry Symposium, Atlanta, SC, 2023

[30] “Heavy metal contamination selects for mobile genetic element pool enriched in heavy metal resistance gene cassettes.” (Poster), **J.L. Goff**, L.M. Lui, T.N. Nielsen, H.J. Smith, J. Kuehl, T. Melhorn, K.F. Walker, K. Lowe, F.L. Poole II, X. Wu, R. Chakraborty, M.W. Fields, T.C. Hazen, A.P. Arkin, M.W. W. Adams. Gordan Research Conference: Applied and Environmental Microbiology. South Hadley, MA, 2023

[29] “ENIGMA Environmental Atlas: An Integrated Approach to Linking Microbial Genotype to Phenotype in a Dynamic Subsurface Ecosystem.” (Poster), R. Chakraborty, A.M. Deutschbauer, B.C. Enalls, J.V. Kuehl, L. Zeng, M.N. Price, A.E. Kazakov, M. de Raad, B.W. Biggs, H. Lesea,

L.M. Lui, V.V. Trotter, J-M Chandonia, T. Nielsen, H.K. Carlson, M. Chen, **J.L. Goff**, **E.G. Szink**, M.P. Thorgersen, F.L Poole, M..W. Adams, P.J. Walian, A. Mukhopadhyay, T.R. Northen, A.P. Arkin, P.D. Adams. 2023 Genomic Science Program PI Meeting. Washington, DC, 2023

[28] “Investigation into metal resistance and denitrification activity of the genus *Castellaniella*.” (Poster), **#K.L. Durrence**, **E.G. Szink**, **J.L. Goff**, M.W.W. Adams. 2023 CURO Symposium, University of Georgia, Athens, GA, 2023

[27] “Three-Dimensional High Spatial Resolution Simulation for Groundwater Flow and Nitrogen Transport under Rainfall Perturbations in the Subsurface of Area 3.” (Poster), J. Im, A. Putt, K.F. Walker, D.C. Joyner, J. Marquis, L.M. Lui, D. Dwivedi, A. Carr, Y. Fan, **J. Goff**, K. Hunt, J. Michael, F.L. Poole, Y. Wang, M.W.W. Adams, N.S. Baliga, D.A. Stahl, J. Zhou, M.W. Fields, T.C. Hazen, M.E. Newcomer, A.P. Arkin, P.D. Adams. 2023 Genomic Science Program PI Meeting. Washington, DC, 2023

[26] “The use of synthetic communities reveals disturbance of process partitioning among denitrifying microbes leads to increased nitrous oxide emissions.” (Poster), J. J. Valenzuela, J. Wilson, A. Carr, S. Turkarslan, S. Altenburg, H. Smith, A. Otwell, K. Hunt, **J. Goff**, F. Poole, X. Ge, M. Thorgersen, P. Walian, V. Mutalik, A. M. Deutschbauer, T. R. Northen, M. W.W. Adams, R. Chakraborty, D. A. Elias, D. A. Stahl, M. W. Fields, N. S. Baliga, A. P. Arkin, P. D. Adams. 2023 Genomic Science Program PI Meeting. Washington, DC, 2023

[25] “Incorporation of Microbial Communities into Reactive Transport Modeling of Nitrogen in Subsurface Systems under Rainfall Perturbations.” (Poster), J. Im, L.M. Lui, A. P. Arkin, A. Putt, K. F. Walker, T. C. Hazen, A. Carr, K. Hunt, Y. Wang, Y. Fan, J. Michael, J. Zhou, **J.L. Goff**, F.L. Poole, M.W.W. Adams, J. Marquis, M.W. Fields, M. Newcomer. AGU Fall Meeting, Chicago, IL, 2022

[24] “Mixed Heavy Metals Stress Induces Global Iron Starvation as Revealed by System Level Multi-Omic Analyses.” (Talk), **\*J.L. Goff**, Y. Chen, M.P. Thorgersen, L.T. Hoang, F.L. Poole II, **E.G. Szink**, G. Siuzdak, C.J. Petzold, M.W.W. Adams. AGU Fall Meeting, Chicago, IL, 2022

[23] “Diurnal and Seasonal Fluctuations within 27 Contaminated Subsurface Wells.” (Poster), Walker, K.F.; E. R. Dixon, D.C. Joyner, K.A. Lowe, F.L. Poole, X. Ge, M.P. Thorgersen, D. Ning, Y. Fan, J.P. Michael, J.D. Van Nostrand, L.M. Lui, X. Wu, **J.L. Goff**, M.W.W. Adams, R. Chakraborty, D.A. Elias, R.L. Wilpiseski, J. Zhou, M.W. Fields, A.P. Arkin, P.D. Adams, and T.C. Hazen, ASM Microbe, Washington, DC, 2022

[22] “Anoxic photochemical weathering of pyrite on Archean continents.” (Talk), J. Hao, W. Liu, **J.L. Goff**, J.A. Steadman, R.R. Large, P.G. Falkowski, and N. Yee, AbSciCon, Atlanta, GA, 2022

[21] “Anoxic photochemical weathering of pyrite on Archean continents.” (Talk), J. Hao, W. Liu, **J.L. Goff**, J.A. Steadman, R.R. Large, P.G. Falkowski, and N. Yee, Microbiology Symposium, Rutgers, New Brunswick, NJ, 2022

[20] “Characterization of a *Bacillus cereus* Strain Isolated from a Nitrate and Metal Contaminated Subsurface Environment.” (Talk), **#E.G. Szink**, M.W.W. Adams, and **J.L.Goff**, UGA AChE Undergraduate Life Sciences 3 Minute Research Showcase, 2022

[19] “Genomic and proteomic analyses of a highly-abundant *Bacillus cereus* isolate reveal niche adaptation to mixed-waste subsurface site.” (Talk), \***J.L. Goff**, Y. Chen, L.M. Lui, T.N. Nielsen, **E.G. Szink**, M.P. Thorgersen, A.D. Putt, K.A. Hunt, Y. Fan, J.P. Michael, Y. Wang, D. Ning, Y. Fu, J.D. Van Nostrand, F.L. Poole II, C.J. Petzold, Terry C. Hazen, D.A. Stahl, J. Zhou, A.P. Arkin, and M.W.W. Adams, 9<sup>th</sup> Annual Southeastern Biogeochemistry Symposium, Atlanta, GA, 2022

[18] “Anoxic photochemical weathering of pyrite on Archean continents.” (Talk), J. Hao, W. Liu, **J.L. Goff**, J.A. Steadman, R.R. Large, P.G. Falkowski, and N. Yee, Goldschmidt2022, Honolulu, Hawai’i, 2022

[17] “Characterization of a *Bacillus cereus* Strain Isolated from a Nitrate and Metal Contaminated Subsurface Environment.” (Talk), #**E.G. Szink** and **J.L. Goff**, 2022 CURO Symposium, University of Georgia, Athens, GA, 2022

[16] “Investigating the abiotic control of denitrification processes using synthetic communities and laboratory simulations.” (Poster), J.J. Valenzuela, J. Wilson, S. Turkarlan, H. Smith, A. Otwell, K. Hunt, F. Poole, X. Ge, **J.L. Goff**, M. Thorgersen, M. Wells, P. Walian, A.M. Deutschbauer, T.R. Northen, M.W.W. Adams, R. Chakraborty, D.A. Elias, D.A. Stahl, M.W. Fields, N.S. Baliga, A.P. Arkin, and P.D. Adams, DOE Genomic Science Program PI Meeting (online due to COVID-19), 2022

[15] “Diurnal and Seasonal Fluctuations with the Subsurface: A 17-Week Survey of Groundwater and Sediment in 27 Contaminated Wells.” (Poster), K.F. Walker, E.R. Dixon, D.C. Joyner, K.A. Lowe, F.L. Poole, X. Ge, M.P. Thorgersen, D. Ning, Y. Fan, J.P. Michael, J.D. Van Nostrand, L.M. Lui, X. Wu, **J.L. Goff**, M.W.W. Adams, R. Chakraborty, D.A. Elias, R.L. Wilpiseski, J. Zhou, M.W. Fields, T.C. Hazen, A.P. Arkin, and P.D. Adams, DOE Genomic Science Program PI Meeting (online due to COVID-19), 2022

[14] “Characterization of a Nitrate-Respiring, Multi-Metal-Resistant *Bacillus* Species Highly Abundant in Heavily Contaminated ORR FRC Subsurface.” (Poster), \***J.L. Goff**, **E.G. Szink**, M.P. Thorgersen, L.M. Lui, T.N. Nielsen, F.L. Poole II, A.D. Putt, Y. Fan, J.P. Michael, Y. Wang, D. Ning, Y. Fu, J.D. Van Nostrand, E.R. Kelly, K.A. Lowe, M. Rodriguez Jr., Y. Chen, C.J. Petzold, M.W.W. Adams, J.-M. Chandonia, T. C. Hazen, J. Zhou, A.P. Arkin, and P.D. Adams, DOE Genomic Science Program PI Meeting (online due to COVID-19), 2022

[13] “The ENIGMA Subsurface Observatory: A high resolution approach to studying a shallow contaminated groundwater system.” (Poster), A.D. Putt, E.R. Kelly, K.F. Walker, M. Newcomer, M.W. Fields, **J.L. Goff**, **E.G. Szink**, M.P. Thorgersen, F.L. Poole II, Y. Fan, J.P. Michael, P.J. Walian, D. Ning, J.D. Van Nostrand, T. C. Hazen, M.W.W. Adams, J. Zhou, A.P. Arkin, and P.D. Adams, DOE Genomic Science Program PI Meeting (online due to COVID-19), 2022

[12] “Metals influence nitrate respiration by ORR isolates: discovery-to-core success story.” (Talk), \***J. Goff**, ENIGMA LBNL DOE Reverse Site Visit (online due to COVID-19), 2021

[11] “Spatiotemporal dynamics of groundwater and sediment: geochemistry, microbial communities and subsurface structure of contaminated aquifer.” (Poster), K. F. Walker, E. R. Dixon, D. C. Joyner, K. A. Lowe, A. D. Putt, F. L. Poole, **J. L. Goff**, X. Ge, M. P. Thorgersen, D. Ning, Y. Fan, J. P. Michael, Y. Fu, R. Tian, Y. Wang, J. D. Van Nostrand, L. M. Lui, X. Wu, K. J.

Davis, R. L. Wilpiseski, M. W. W. Adams, R. Chakraborty, D. A. Elias, J. Zhou, M. W. Fields, T. C. Hazen, A. P. Arkin, and P. D. Adams, ENIGMA LBNL DOE Reverse Site Visit (online due to COVID-19), 2021

[10] “Understanding the abiotic control of denitrification processes partitioned among synthetic communities.” (Poster), J. J. Valenzuela, J. Wilson, A. Carr, S. Turkarslan, H. J. Smith, A. Otwell, K. Hunt, **J. Goff**, F. L. Poole, X. Ge, M. P. Thorgersen, M. Wells, Y. Chen, C. J. Petzold, A. M. Deutschbauer, T. R. Northern, M. W. W. Adams, R. Chakraborty, D. A. Elias, D. A. Stahl, M. W. Fields, N. S. Baliga, A. P. Arkin, and P. D. Adams, ENIGMA LBNL DOE Reverse Site Visit (online due to COVID-19), 2021

[9] “Teaching microbiology laboratory with tablets.” (Poster and Demonstration), A. Walczak, S. Skelly, and **\*J. Goff**, Office of STEM Education Symposium, Rutgers, New Brunswick NJ, 2019

[8] “Production of extracellular sulfite by *Shewanella oneidensis* MR1.” (Poster), **\*J. Goff**, J. Schaefer, K. Dawson, and N. Yee, Goldschmidt, Barcelona, Spain, 2019

[7] “Extracellular sulfur metabolite production by bacteria.” (Poster), **\*J. Goff** and N. Yee, NEMPET, Blue Mountain Lake, NY, 2019

[6] “Tellurate enters *Escherichia coli* K-12 cells via the sulfate transporter CysPUWA.” (Poster), **\*J. Goff** and N. Yee, ASM Microbe, Atlanta, GA, 2018

[5] “Abiotic and biotic oxidation of chemically synthesized Se(0) nanoparticles.” (Talk), J. Mal, N. Yee, K. Schilling, **J. Goff**, K. Dhillon, C. Pallud, Goldschmidt, Boston, MA, 2018

[4] “A role for the sulfate assimilation pathway in tellurate resistance in Enterobacteriaceae.” (Poster), **\*J. Goff**, **C. Ekedede**, and N. Yee, Microbiology at Rutgers Symposium, Rutgers, New Brunswick, NJ, 2017

[3] “Identification of genes involved in tellurate reduction.” (Poster), **#C. Ekedede**, **J. Goff**, and N. Yee, Rutgers Undergraduate Research Symposium, Rutgers, New Brunswick, NJ, 2016.

[2] “Characterization of amino acid biosynthesis mutants of *Shewanella oneidensis* MR1.” (Poster), **\*J. Goff** and T. DiChristina, School of Biology Senior Poster Session, Georgia Tech, Atlanta, GA, 2014

[1] “An intragenic complementation approach to engineer a faster fluorescence biosensor.” (Poster and Talk), M. Agrawal, J. Boothby, N. Chilcutt, J. Elsherbini, and **\*J. Goff**, iGEM America’s East Regional Jamboree, Pittsburgh, PA, 2012

## INVITED TALKS

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Applied and Environmental Microbiology Gordan Research Conference, 2023  
Department of Chemistry and Great Lakes Research Consortium Seminar, SUNY ESF, 2023  
Genomic Science Program PI Meeting, US Department of Energy, 2023  
Department of Biological Sciences Seminar, SUNY Binghamton, 2023  
Department of Biology Seminar, California State University, Fresno, 2023  
METX Seminar, The University of California, Santa Cruz, 2023  
Biology Department Seminar, Washington and Lee University, 2023

Department of Earth Sciences Seminar, The University of Western Ontario, 2022  
Department of Biological Sciences Seminar, Ohio Wesleyan University, 2022  
Department of Biological and Biomedical Sciences Seminar, Rowan University, 2022  
Department of Environmental Sciences Seminar, Rutgers-New Brunswick, 2022

## TEACHING EXPERIENCE

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### University of Georgia, Athens, GA

#### *Project Mentor*

Biochemistry & Molecular Biology Independent Research Projects (Su 2021, F 2021, S 2022, F 2022, S 2023)

#### *Curricular Revision*

Microbiology and Health Care Laboratory, S 2022

#### *Guest Lecturer*

Introductory Microbiology, “Microbial Respiration and Biogeochemical Cycles”, F 2022

Microbiology and Health Care, “Microbial Metabolism”, F 2022

Introductory Microbiology, “Human Microbiota”, S 2022

### Rutgers – New Brunswick, NJ

#### *Summer Session Instructor*

Microbiology for the Health Sciences Lecture (Su 2019, Su 2020 [online due to COVID-19])

#### *Coadjutant (instructional designer role)*

Microbiology Lab for the Health Sciences (Su 2018)

#### *Graduate Teaching Assistant*

Microbiology Lab for the Health Sciences (F 2017, S 2018, F 2018, S 2019, F 2019)

Head Teaching Assistant (F 2018, S 2019, F 2019)

Genetics Lecture (F 2016, S 2017)

General Microbiology Lab (F 2015, S 2016)

### Georgia Institute of Technology, Atlanta, GA

#### *Undergraduate Teaching Assistant (2011-2014)*

Honors Introduction to Organismal Biology Lab

Biological Principles Lab

Molecular and Cell Biology Lab

## MENTORSHIP

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### University of Georgia

Adeeba Fatima – Undergraduate Lab Technician (2023)

Konnor Durrence – BCMB Independent Research Student (2022-2023)

Awards: CURO Research Award (\$1000, Fall 2023)

Elizabeth Szink – BCMB Independent Research Student (2021-2022), Research Technician (2022-2023)

Awards: CURO Research Award (\$1000, Spring 2022), Southeastern Biogeochemistry Symposium, First Place Undergraduate Talk

Cristian Sanlatte Reyes – Post-Baccalaureate Research Education Program Scholar (2021),

### **Rutgers – New Brunswick**

Richard Bennett – Undergraduate Research Assistant (2018)

Chioma Ekedede – Aresty Undergraduate Research Fellow (2016-2018)

### **OUTREACH AND SERVICE**

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**Journal Reviewer:** *Applied and Environmental Microbiology*; *JGR: Biogeosciences*; *Environmental Microbiology*; *Geochemica et Cosmochimica Acta*; *Environmental Pollution*; *Letters in Applied Microbiology*; *Environmental Science and Pollution Research*; *Research in Microbiology*; *Scientific Reports*; *Microbiology Spectrum*; *World Journal of Microbiology and Biotechnology*

**Editorial Roles:** *Frontiers in Microbiology* (Review Editor)

**Grant Review Panelist:** EMSL (DOE) Environmental Transformations and Interactions Area Panel (2023)

**Conference Session Proposal Reviewer:** Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) National Diversity in STEM (NDiSTEM) Conference (2023)

**Conference Abstract Reviewer:** Council on Undergraduate Research Posters on the Hill (2022); Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) National Diversity in STEM (NDiSTEM) Conference (2022, 2023)

**Scholarship/Fellowship Reviewer:** Travel scholarship reviewer for Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) National Diversity in STEM (NDiSTEM) Conference (2022, 2023)

#### **Workshop/Panel Participation**

Panelist – “Panel Discussion on Academic Positions – Insights from ENIGMA Members and Alumni”, Lawrence Berkeley National Laboratory, 2023

#### **Committee Membership:**

Alice Evans Award Selection Committee (2023, American Society for Microbiology)

ASM Subcommittee on the Status of Women in Microbiology (SSWiM) (2023 – 2025, American Society for Microbiology)

Early Career Scientist Survey Subcommittee (2023-Present, ENIGMA SFA, Lawrence Berkeley National Lab)

Early Career Scientist Committee Chair (2022-2023, ENIGMA SFA, Lawrence Berkeley National Lab)

Lab Manual Review Committee (2022, Department of Microbiology, University of Georgia)

#### **Outreach:**

Georgia Science & Engineering Fair Judge (2023)

PROGRESS mentor (<https://progress.colostate.edu/>) (2022-2023)

Judge for Annual Biomedical Conference Research Conference for Minority Students (ABRCMS) ePoster Spring Symposium for Emerging Scientists (2022, 2023)

Faculty moderator for National Conference on Undergraduate Research (NCUR) (2022)

## **CERTIFICATIONS, COURSES, AND WORKSHOPS**

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Write Winning Grant Proposals, University of Georgia and Grant Writers' Seminars & Workshops (virtual), January 2023

Developing an Action Plan for Aligned and Inclusive Lessons Workshop, University of British Columbia, Dalhousie University, and CIRTIL Network (virtual), July 2022

CARE for Inclusion and Equity in Learning Environments Workshop, Stanford University and CIRTIL Network (virtual), June 2022

Certificate in Diversity and Inclusion, 2022, University of Georgia – Office of Institutional Diversity and Human Resources Training and Development Department

The American Society for Microbiology 2018 Improving Undergraduate Biology Education Based on Research in Science Learning Online Course

The American Society for Microbiology 2017-2018 Best Practices in Curriculum Design, Teaching, and Assessment Online Course

## **PROFESSIONAL MEMBERSHIP**

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American Society for Microbiology (2014-present)

Geochemical Society (2018-2020)

American Geophysical Union (2021-present)

Society for Advancement of Biology Education Research (2022-present)

American Society for Microbiology – Western New York Branch (2023-present)