

Flavia Costa

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Education

Ph.D., Microbiology

University of Georgia, 2014-present

B.S., Microbiology, Minor: Psychology

University of Minnesota, Minneapolis, MN, 2009-2013

Publications

Kreamer, N. N., Costa, F., & Newman, D. K. (2015). The Ferrous Iron-Responsive BqsRS Two-Component System Activates Genes That Promote Cationic Stress Tolerance. *mBio*, 6(2). doi: 10.1128/mBio.02549-14

Research

Graduate Research Assistant

January 2015-present

Advisor, Dr. Jorge Escalante-Semerena, University of Georgia

Research Assistant

September 2013-July 2014

Advisor, Dr. Dianne Newman, Caltech

- Understand the role of ferrous iron two-component sensor BqsRS in *Pseudomonas aeruginosa*

Undergraduate Research Assistant

August 2011-January 2013

Advisor: Dr. Jeffrey Gralnick, University of Minnesota-Twin Cities

- Identify *Shewanella oneidensis* mutants with abnormal metal reduction operon regulation in aerobic conditions

Life Sciences Summer Undergraduate Research Program

May 2011-August 2011

Advisor: Dr. Jeffrey Gralnick, University of Minnesota-Twin Cities

- Use Tn-seq to identify novel genes involved in anaerobic growth of *Shewanella oneidensis* grown on lactate.

Honors and Awards

Provost's Scholars of Excellence Award, University of Georgia Graduate School August 2014-July 2015

Excellence in Graduate Recruitment Award, University of Georgia Graduate School August 2014-July 2015

Palmer Rogers Scholarship, University of Minnesota-Twin Cities August 2012-May 2013
Awarded to two undergraduate microbiology majors each year for academic excellence

Teaching Experience

Introduction to Microbiology Lab, MICB3301, University of Minnesota January 2013-August 2013

Foundations of Biology Lab, BIOL2004, University of Minnesota September 2011-December 2012

Posters

Costa, F., Brutinel, E., Gralnick, J.A. "Identifying novel genes involved in the anaerobic respiration of *Shewanella oneidensis*." Undergraduate Research Symposium. Minneapolis, MN. May 2012.

Leadership

Advertising Coordinator, University of Minnesota Microbiology Club September 2011-December 2013

Community Engagement

Science Fair Judge, Georgia Science & Engineering Fair, Grades 6-8; Athens, GA March 2014, 2015

Science Fair Judge, Clark County School District Science & Engineering Fair, Athens, GA January 2015

Speaker, Mr. Diarra Mosley's class, Hillsman Middle School; Athens, GA October 2014
Prepared a presentation, case study, and class activity involving the field of microbiology and microbiology. Presented to a class of sixth-grade students and engaged them in scientific inquiry and critical thinking.

Science Fair Mentor, Middle School Science Fair; Athens, GA September 2014
Mentored a 6th grade student interested in a science fair project involving microbiology. Advised project direction, supplied background reading material, and met on a weekly basis to plan and execute experiments. Student proceeded to present finished project at the district, regional, and state level. At the state level, student was awarded first in the Merial Biotechnology Award and third in the Tech Posse Excellence Award.

Professional Development

GRSC7770, Graduate Seminar Fall 2014