

# Lily Evans

## Microbiology Intern

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### PROFESSIONAL PROFILE

Currently, in the final year of BSc. in Biotechnology (specialization: Microbiology),  
University of Maryland, School of Medicine.

### EDUCATION

## University of Maryland, School of Medicine

2012 to Present

### Bachelor of Science in Biotechnology (CGPA: 3.78)

- Majors in Microbiology

## Westland Middle School

2010 to 2012

### High School (Aggregate Percentage: 92.28%)

### PROJECTS

## Microbial Redox Cofactor Regeneration

July 2013 to December 2013

### Annual Semester Project Lead

Research based on facilitating anaerobic redox cofactor regeneration to achieve higher productivity and to significantly reduce greenhouse gas emissions.

#### Methodology Employed:

- Microbial cell culture
- Fermentations and Genetic Cloning
- Carbon flux analysis and Redox balance analysis

## Study of Lateral Gene Transfer in *L. rhamnosus* plastids

May 2014 to July 2014

### Research Assistant

- Investigated the changing variability in strain in terms of plasmids' presence.
- Analysed the composition of possible plasmids in the *L. rhamnosus* species by studying a set of 77 strains in-vitro.

### RESEARCH CONFERENCE

## General Meeting, American Society for Microbiology

December 2014

#### Co-presenters: Lisa Rodriguez and Prof T. Jeremy

- A detailed analysis of the bacterium genome found in the *Crambe crambe* sponge.
- A general hypothesis on the symbiosis between sponges and this bacteria.

### AFFILIATIONS

- American Society of Microbiology
- Society for Applied Microbiology

### RELEVANT COURSES

Microbial Cell and Diversity, Microbiology, Microbial growth and control, Biostatistics and Mathematics, Genetics and central dogma, Chromosome structure and Inheritance

### COMMUNITY SERVICES

Prince George's County, Maryland

February 2011 to Present

Senior Easter Baskets

- Dedicated to the cause of providing nourishment and food to destitute senior citizens.
- Part of the monthly "A Smile for the Grandparents" initiative, giving 5 hours per week for the cause.