

# LAUREN A. ESPOSITO

<http://lauren.esposito.com>

## PROFESSIONAL EXPERIENCE

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**Student Aide, Workers Health Protection Program, Queens NY** 2013 – Present

*Center for Biology of Natural Systems at Queens College*

- Enter data into databases and forms
- Draft correspondence to patients and doctors
- Literature searches for work sites and Principal Investigator

**Undergraduate Researcher, Dennehy Laboratory, Queens NY** 2011 – Present

- Creating a cost-effective, high throughput identification assay for mycobacteriophages based on unique genome regions
- Identification and characterization of novel bacteriophages of *Mycobacterium* and *Arthrobacter*
- Codon bias assessment of mycobacteriophages and their hosts
- Train and supervise new undergraduates working with *M. smegmatis* and *M. bovis*

**Fundraiser, Leukemia and Lymphoma Society, New York, NY** 2009 – Present

- Team Captain for the annual Light the Night Walk
- Led 2010 fifth highest earning team in New York City
- Raised over \$60,000 to date

**Teaching Assistant, Ms. Newman's English Tutorial Program, Queens NY** 2009 – 2013

- Tutored children aged 7 to 14, in English, Language Arts, and test preparation
- Assisted the teacher with classroom management and organization paperwork

**Head of Ethics and Standards, Vice President of New Member Education and Alumnae Communications, Sigma Delta Tau Sorority, Queens NY** 2009 – 2013

- Ensured each sister followed the codes of conduct and judged infractions
- Trained groups of ~20 potential sisters and set up their new member plans
- Wrote and distributed newsletters and organized reunions

## EDUCATION

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**The City University of New York Queens College, Queens NY** 2014 (Expected)

*Bachelor of Arts in Biology and Anthropology*

**St. Francis Preparatory School, Fresh Meadows NY** 2009

*Advanced Regents Diploma*

## POSTERS

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- **Esposito L.**, Gupta S., Sooknauth T., Mordukhaev L., Ford B.E., Dennehy J.J. Cost Effective High-Throughput Identification of Mycobacteriophages for Large-Scale Comparative Genomic Studies. Evolution 2013. 2013 June 21-25; Snowbird, UT
- **Esposito L.**, Gupta S., Mordukhaev L., Ford B.E. & Dennehy, J.J. 2013. Methods for Identifying Unknown Mycobacteriophages. 2013. Honorable Recognition at the 5th Annual SEA-PHAGES Symposium at the Howard Hughes Medical Institute and presented at the 27th Annual Sigma Xi Queens College Chapter Research Session, Flushing, NY
- **Esposito L.**, Mordukhaev L. & Dennehy J.J. 2012. Identifying mycobacteriophages: DNA primer design for phage clusters. 4th Annual SEA-PHAGES Symposium at the Howard Hughes Medical Institute and at the National Conference of Undergraduate Research at Weber State University, Ogden, UT

## SKILLS

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- Lab: Bacterial culture, virus isolation and preparation, RNA/DNA isolation, PCR, primer design
- Computer: Microsoft Office, Geneious, CodonO, DNAmaster

## AWARDS

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- Junior Honors in Anthropology 2012
- Peter F. Vallone Academic Scholarship 2009

## MEMBERSHIPS

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- Association for Women in Science (AWIS) 2013 – Present
- American Society of Naturalists (ASN) 2013 – Present
- Anthropology Society of Queens College 2010 – Present
- Sigma Delta Tau Sorority 2009 – Present