

Jen Paterson

4588 Sunnyside Dr., Huntington, NY 11743 | (632) - 357 - 1420 | jpaterson@ithaca.edu

EDUCATION

Bachelor of Science in Biology, Ithaca College, Ithaca, NY (Expected) May 2018

Minor: Psychology

GPA: 3.9

Awards: Tri-Beta Biological Honor Society, Pre-Med Society Sept. 2014-Present

CERTIFICATIONS

Adult and Child CPR/AED and First Aid May 2016-Present

Laboratory and Fire Safety Training Aug. 2016-Present

RESEARCH EXPERIENCE

Laboratory Technician Jan. 2018-Present

Ithaca College Biology Department, Ithaca, NY

- Document and update daily logs and equipment record books
- Keep lab supplies prepared with daily inventory stock checks
- Maintain equipment and supplies with daily cleaning and troubleshoot any issues that comes up in the lab

Undergraduate Researcher, Research lab of Edward Cluett Ph.D. Oct. 2017-Present

Ithaca College Biology Department, Ithaca, NY

- Study the effects of cholesterol trafficking in *Chlamydia* infected cells and understanding pathways in which *Chlamydia* utilizes or hijacks in order to obtain cholesterol
- Undergoing training in how to use the wester blot analysis and inclusion counting within research

Undergraduate Researcher, Research lab of David Gondek Ph.D. Aug. 2016-Present

Ithaca College Biology Department, Ithaca, NY

- Explore the evolutionary conservation of the MAP kinase Survival Pathway which, *Chlamydia* manipulates to keep the cell living
- Learning and studying the sterile technique, cell culture, bacterial genomics, immunohistochemical staining, florescence microscopy, image processing, PCR, and Gel Electrophoresis

VOLUNTEER EXPERIENCE

Physical Therapist Aide Oct. 2013-Aug. 2016

Spectrum Physical Therapy & Chiropractic, Levittown, NY

- Instructed and assisted patients during exercises and functional activities to help with rehabilitation
- Observed patients during treatment to compile and evaluate data on patients' responses and progress
- Conferred with physical therapy staff to discuss and evaluate patient information

Medical Volunteer Mar. 2016-Apr. 2016

Vida Volunteer Managua, Nicaragua

- Conducted patient interviews and proposed treatment plan recommendations
- Obtained and monitored patients' vital signs and in certain procedures including: an ENT examination, abdominal examination and prenatal care

ACTIVITIES

Biology Club, Ithaca College, Ithaca, NY Sep. 2014-Present

Apply what is learned in the classroom to events and trips locally and at Cornell University

Ithaca College Women's Varsity Softball, Ithaca College, Ithaca, NY Sept. 2014– May 2017

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May 3, 2018

Nationwide Children's Hospital

500 Spring Rd.

Columbus, OH 43019

Dear Dr. VanFessen:

I have been an avid follower of the ground breaking research that has come out from the Columbus Nationwide Children's Hospital. Especially the research done with the links between a person's psych to a person's physical health, as this is something I hope to study after graduation. I am interested in applying for the research intern position for the center of Microbial Pathogen which I recently came across on Handshake. Through my coursework, I have emphasized working on research while working directly with my professors. Through my experiences and knowledge, I know I can benefit your team with your ongoing research in microbial pathogens.

For the past three years, I have been working with my professors in a lab conducting research on microbial pathogens in plants. It has been my role to set up many experiments while measuring and recording the data collected. Through both my experience as a researcher and as a lab technician, I am well versed in maintaining a clean and safe lab environment. I obtain supplies and equipment needed within the labs as well as maintain thorough records of all transactions. I am certified in lab safety and know how to properly repair or replace broken or old instruments.

My time in the lab has given me a deep understanding of how to log everything in a computer database for tests and creating records, charts and graphs of data. Through the research I had done with Dr. Godek, I know how to use the sterile technique, cell culture, bacterial genomics, immunohistochemical staining, fluorescence microscopy, image processing, PCR and Gel Electrophoresis.

I have a dedicated passion for research with a goal of benefiting and helping people in need. To discover ways to help and improve the life of children is my dream, and therefore I would be excited and motivated to be a contributing part of your team. Feel free to contact me if you have more questions or need any other materials from me. I look forward to hearing back from you.

Sincerely,

Jen Paterson

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