

LAUREN M. BERTIN

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EDUCATION & DEGREES

Hunter College, The City University of New York (CUNY)– New York, NY B.A. Psychology
Honors: Dean's List, Psi Chi Anticipated January 2017
GPA: 4.0

Bennington College– Bennington, VT B.A. Biological Sciences & Scientific Communication
Graduated May 2012

Boston University– Boston, MA Summer Term
2010

State University of New York College at Geneseo– Geneseo, NY Fall & Spring Terms
2007- 2008

Bard High School Early College– New York, NY Associate in Arts (A.A.) degree from Bard College
Graduated June 2007

RESEARCH EXPERIENCE

Hunter College, CUNY, Research Coordinator– New York, NY January 2015 – Present
Supervisor: Joel Erblich, PhD, MPH

- Recruitment, screening and scheduling of participants to investigate the role of emotional, cognitive and behavioral factors on alcohol demand in young social drinkers
- Run studies: Consent and debrief participants; Administration of questionnaires; Run computer-based tasks assessing impulsivity, risk-taking and implicit attitude towards alcohol; Facilitation of cue-exposures to induce cravings and measure corresponding peripheral physiological data, including electrocardiography (ECG) and electrodermal activity (EDA); Collect physiological specimens
- Develop research questions, analysis of data sets and prepare manuscripts for current alcohol demand research and prior smoking cessation study
- Assist in the organization and regulation of the laboratory, including tracking spending and maintaining physiological recording equipment and website

Columbia University Medical Center, Technician– New York, NY January 2013 – July 2014
Supervisor: Anna Lasorella, MD

- Assisted in performing molecular biological experiments, including immunostaining, PCR and plasmid DNA preparation, in order to determine the molecular mechanisms underlying the cell growth and differentiation that leads to tumors, specifically using the nervous system as a model
- Managed multiple mice colonies and cell lines
- Presented results at data-club meetings
- Supervised summer college interns in experimental procedures
- Maintained laboratory supplies and organization

Salk Institute for Biological Studies, Research Intern– La Jolla, CA January 2012 – February 2012
Supervisors: Fred Gage, PhD; Carol Marchetto, PhD

- Maintained HES and IPS cell lines (i.e. feeding, manual and enzymatic passaging and freezing) to model disorders and diseases such as autism and Alzheimer's
- Produced Lentivirus vectors using HEK 293 T cells and followed neuronal differentiation protocols
- Tracked the migration of human and non-human primate neuronal progenitor cells (NPCs) using ImageJ to determine differences in movement
- Performed immunostaining on IPS cells for characterization analysis

Mount Sinai School of Medicine, Research Intern– New York, NY January 2011 – February 2011
Supervisor: Ehud Kaplan, PhD

- Observed and participated in neurophysiological experiments involving the collection of electrical recordings and cortical images from the brains of non-human primates
- Conducted literature search and co-authored a paper on the biological basis for color categorical perception

Columbia University Medical Center, Research Intern– New York, NY January 2010 – February 2010
Supervisor: Ulf Klein, PhD

- Operated high tech equipment and used varying techniques, such as gel electrophoresis, gel extractions, nano dropper, PCR, RNA isolation and genotyping, to elucidate the differentiation of GC B cells into memory and plasma cells
- Assisted in proofreading and editing manuscripts for publication

Memorial Sloan Kettering Cancer Center, Research Intern– New York, NY June 2009 – August 2009
Supervisor: Mark Klang, PhD

- Prepared drug samples for analysis and phase I clinical trials
- Entered and analyzed data from HPLC to determine concentrations of 5FU surface contamination in pharmacy
- Supervised high school student in conducting and presenting summer research on the adhesion of warfarin to feeding tubes during drug administration

PUBLICATIONS

Bertin, L., & Erblich, J. (under review). Can attitudes about smoking impact cigarette craving?. *Addictive Behaviors*.

Xiao, Y., Kavanau, C., **Bertin, L., & Kaplan, E.** (2011). The biological basis of a universal constraint on color naming: Cone contrasts and the two-way categorization of colors. *PLoS One*, 6(9).

PRESENTATIONS & ABSTRACTS

Bertin, L., Siegel, A., Yarmush, D. & Erblich, J. (2016, June). *Gender differences in behavioral economics of alcohol consumption among college students*. Poster presented at the Research Society on Alcoholism's 39th Annual Meeting, New Orleans, LA.

Siegel, A., **Bertin, L., Yarmush, D. & Erblich, J.** (2016, June). *Affective responses to alcohol cues predict binge drinking among 18-25 year old college students*. Poster presented at the Research Society on Alcoholism's 39th Annual Meeting, New Orleans, LA.

Bertin, L., & Erblich, J. (2016, April). *Can attitudes about smoking impact cigarette craving?*. Oral presentation given at Hunter College's 44th Psychology Convention, New York, NY.

Siegel, A., **Bertin, L., & Erblich, J.** (2016, March). *Gender differences in affect-triggered lapses during smoking cessation: A daily diary approach*. Poster presented at the Society of Behavioral Medicine 37th Annual Meeting, Washington, DC.

Bertin, L., & Erblich, J. (2016, March). *Can attitudes about smoking impact cigarette craving?*. Poster presented at the Society For Research On Nicotine and Tobacco's 22nd Annual Meeting, Chicago, IL.

Klang, M., **Bertin, L., & Chann V.** (2010). *Fluorouracil surface contamination* [Abstract]. *Journal of Oncology Pharmacy Practice*. 16(1), 9.

WORK EXPERIENCE

Counseling and Psychotherapy, Administrative Assistant July 2004 – Present (intermittently)

- Conduct daily screenings of potential patients on the phone and in person for a large private mental health facility
- Schedule patients' psychiatric appointments and utilize a prescription monitoring program to ensure medication adherence and prevent drug abuse
- De-escalate crises and direct to appropriate personnel when necessary
- Assist with data entry, bookkeeping and correspondence

Under the Microscope, The Feminist Press at CUNY, Editorial Intern September 2012 – March 2013

- Proposed, wrote and edited blog posts to encourage women to pursue careers in science
- Attended The L'Oreal USA Women and Science Fellowship and interviewed scientists for the blog

Whitehead Institute for Biomedical Research, Communications Intern January 2009 – February 2009

- Interviewed scientists and wrote time-sensitive press releases on their research
- Assisted in organizing public programs

TEACHING EXPERIENCE

Hunter College, CUNY, Teaching Assistant for Statistical Methods June 2015 – July 2015

- Helped students master data analysis on SPSS software during laboratory classes
- Ran review sessions prior to exams and graded laboratory assignments
- Hosted weekly one-on-one tutoring and offered guidance with homework

Let's Get Ready, SAT Critical Writing and Reading Coach June 2009 – August 2009

- Tutored group of thirteen inner city teenagers from Harlem in preparation for the SAT
- Prepared and conducted lesson plans on a weekly basis

VOLUNTEER EXPERIENCE

Mount Vernon Recreational, Rose Simon Program Volunteer October 2015 – Present

- Create a safe and secure environment for developmentally disabled individuals (ages 6-21) by assisting with recreational afternoon activities and programmed trips
- Working under the principles of habilitation to promote development of life skills, social skills and emotion regulation in children and adolescents

Bennington College, Student Educational Policies Committee Member March 2011 – June 2012

- Acted as a representative for the math and science departments
- Met weekly with science faculty and committee to communicate students needs
- Coordinated academic panels and information sessions for students

ADDITIONAL RELEVANT SKILLS

Physiology Peripheral physiology- Biopac system for recording ECG and EDA, Acqknowledge 4.0 for processing data

Cell/ Molecular Biology Tissue culture techniques: HES and IPS cell lines, Neural differentiation protocols, Cloning, Immunostaining of cells, Gel electrophoresis, Gel extraction, Nanodropper, DNA/RNA isolation and genotyping, PCR, Plasmid DNA preparation, Protein purification using immunoprecipitation and affinity chromatography, Ultracentrifugation, Microscopy, Sterilization techniques

Chemistry HPLC, IR, NMR, UV-VIS, Extraction and recovery organic compounds, Melting point determination, Serial dilutions, Distillation, Operation of pH meters

Animal Ethical handling of research animals and animal sacrifice for mice, Demonstrated ability in Felis catus (domestic cat), Lumbricus terrestris (earthworm) and Romalea microptera (grasshopper) dissections

Computer SPSS Statistical Software; Microsoft Office; Adobe Creative Suite; HTML, CSS & Javascript, ImageJ, Graphpad Prism, E-Prime (running programs)

Certification CPR/ AED for the Professional Rescuer and Health Care Providers

PROFESSIONAL AFFILIATIONS

American Psychological Association Student Member
2015 – Present