LEAH GROSSMAN

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EDUCATION

Tulane University — ***New Orleans LA***
- M.S. Neuroscience — *Expected Graduation Date: May 2010*

University of California Berkeley — ***Berkeley CA***
- B.S. Chemistry — *May 2006*

San Francisco State University — ***San Francisco CA***
- Post-Baccalaureate — *Summer 2006- Spring 2007*

  Courses: General Biology, Endocrinology, Animal Science, Biochemistry, Microbiology, Reproductive Physiology, Statistics Graduate level Pharmacology, Human Retroviruses, Clinical Toxicology, and Cancer Biology

University of California Berkeley Extension — ***Berkeley CA***
- Post-Baccalaureate — *Fall 2007 – Spring 2008*

  Courses: Biostatistics, Biopharmaceutical Quality Control Microbiology, Genetics, Anatomy, Physiology, Cell Biology

WORK EXPERIENCE

Clinical Studies Coordinator, Department of Neurology — ***Emeryville CA***
Ernest Gallo Clinic and Research Center at University of California, San Francisco — *August 2008-August 2009*
- Responsible for overall implementation and management of day-to-day aspects of various clinical studies including managing subjects, processing lab specimens, collecting and reporting data, and ensuring adherence to all Institutional Review Board (IRB) and Committee on Human Research (CHR) guidelines and protocols
- Established relationships, negotiated pricing and maintained long-term contracts with vendors in order to establish clinical operations for the Clinical Research Group at the Gallo Center
- Served as primary contact for all subjects, including recruiting, screening, and enrolling study subjects, as well as scheduling and conducting all study visits
- Maintained and assisted with renewals, approvals, and addendums for regulatory organizations including the IRB and CHR
- Established and assisted with the design and function of a clinical website used by all subjects to report data daily
- Administered cognitive tasks to subjects and assisted with data collection and analysis for a study determining the efficacy of an anticonvulsant drug used off-label to treat alcohol abuse

Lab Manager/Staff Research Associate, Department of Neurology — ***Emeryville CA***
Ernest Gallo Clinic and Research Center at University of California, San Francisco — *June 2007 – July 2008*
- Managed administrative and technical aspects of the lab; monitored budgets and animal protocols, procured instruments, supplies, and animals, responsible for equipment inventory, organized and supervised laboratory space
- Conducted animal behavioral experiments focused on understanding the neural mechanisms responsible for decision-making and impulsivity in relation to drug and alcohol abuse, with techniques including Condition-Placed Preference, microinjection, two-bottle choice, and live-recording electrophysiology
- Performed perfusions and stereotaxic brain surgery in rats; implanted cannulae into the VTA to study the drug reward pathway
- Reviewed literature in neuroscience and presented latest papers during lab meetings to discuss new paradigms and novel techniques in studying drug and alcohol abuse in human and rat models
- Successfully executed advanced immunohistochemistry techniques to stain for various neurotransmitters in the brain

Lawrence Berkeley Lab — ***Berkeley CA***
Junior Specialist, Nuclear Science Division — *July 2006 – June 2007*
- Surveyed literature and data; completed calculations to create an experiment using the 88"cyclotron to prove simultaneous two proton emission in 94Ag by bombarding 58Ni with 40Ca
- Wrote code and analyzed the results using Exceed, a nuclear computer program to determine the number of counts per detector (gas/silicon); differentiated nuclei types to detect simultaneous two proton emission
- Calculated experimental values for total cross section, efficiency, area, distance, intensity, lab energy, and angles
- Began development process of projects involving real world application of nuclear chemistry/physics using the 88" cyclotron

University of California, Berkeley — ***Berkeley CA***
Research Assistant, Atmospheric Physical Chemistry Department — *January 2006 – June 2006*
- Applied FORTRAN code to determine program defects in a computer simulation of pollutants in the atmosphere
- Simulated estimated levels of O_3 CO, CO_2, and NOx emissions in the troposphere and stratosphere caused by pollutants such as super sonic aircrafts and nuclear bomb experiments performed on Bikini Island
- Wrote a research summary about codes used to debug the FORTRAN program, the levels of toxicity per each simulated emission; compiled a teaching manual to incorporate this research into the Atmospheric Physical Chemistry class

International Public Health Intern ***Puerto Escondido and Oaxaca, Mexico***

Child and Family Health International *Summer 2005*

- Assisted public health employees in a national anti-malaria campaign; supplied uninsured families with proper treatment for Malaria; sprayed infested fields for mosquitoes, tested the water supply and checked for mosquito eggs
- Developed public awareness campaigns for diseases such as Chagas, Diarrhea, and Diabetes in underserved areas
- Assisted doctors in rural clinics and large government-run healthcare facilities in gynecological and obstetrical exams, stitching lacerations, medications allocations, medical history documentation, conducting a medical exam in Spanish

PUBLICATIONS

Abstract

American Physical Society Conference ***April 2008***

Reinvestigation of direct two-proton radioactivity of $^{94}Ag^{m}$ (J^{π} = 21+, 6.7 MeV)

Joseph Cerny, UC Berkeley/LBNL, D.W. Lee, LBNL, K. Perajarv, Stuck, Finland, D.M. Moltz, B.R. Barquest, L.E. Grossman, W. Jeong, C.C. Jewett, UC Berkeley

Contributions to Published Articles

Journal of Neuroscience

Delta-opioid receptor expression in the ventral tegmental area protects against elevated alcohol consumption.

Margolis EB, Fields HL, Hjelmstad GO, Mitchell JM. 2008 Nov 26;28(48):12672-81.

Journal of Neuroscience

Midbrain dopamine neurons: projection target determines action potential duration and dopamine D(2) receptor inhibition

Margolis EB, Mitchell JM, Ishikawa J, Hjelmstad GO, Fields HL. 2008 Sep 3;28(36):8908-13.

LEADERSHIP & COMMUNITY SERVICE EXPERIENCE

San Francisco AIDS Foundation Needle Exchange ***San Francisco CA***

Exchange Provider Volunteer ***March 2007 – August 2009***

- Provided at-risk users with clean syringes, disposed of used syringes, performed basic first aide provided public health assistance including educating clients on treatment programs

Thousand Oaks School, *Science Teacher*, Albany, CA January 2006- May 2006
Alameda Point Colaborative, *Volunteer*, Alameda, CA, February 2005- May 2005
Hillel at UC Berkeley, Volunteer, Berkeley CA, September 2001- May 2004
Los Robles Regional Medical Center, *Head Volunteer*, Thousand Oaks, CA June 1997- August 2001

SPECIAL SKILLS

Computer Applications: MS Office, FORTRAN, Exceed
Interests: Learning languages (Spanish, Italian, and Hebrew), international travel, skiing, volunteering, cooking, and wine