

Heather Graehl

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www.graehl.com

Objective To obtain a research position that commences my career in biotech industry with a company that is conducive to our mutual growth.

Education Bachelor of Science, Biochemistry *Expected: June 2009*
University of California Los Angeles

- Major GPA: 3.52
- UCLA Alumni Scholar

Related course work: metabolism and regulation, advanced organic synthesis, biochemical methods, thermodynamics, physical and inorganic chemistry, biomathematics, toxicology
More detailed course listing available: www.graehl.com/school.htm

Skills/Abilities

Lab Proficiency and Techniques

- Plasmid prep
- PCR
- Primer design
- Site directed mutagenesis
- Transformations (chemical and electroporation)
- Ligation reactions
- Protein expression and purification
- Ion exchange/affinity chromatography
- Enzyme and protein assays
- Agarose gel electrophoresis
- SDS-PAGE
- EMSA
- Distillation
- Reflux
- TLC
- Flash Chromatography
- Extraction
- Recrystallization
- ¹H and ¹³C NMR
- MALDI-TOF MS
- FTIR
- UV-Vis
- GC
- Polarimetry
- HPLC

Computers and Technology

- Chemdraw, Chem 3D
- Topspin
- Windows, Linux
- Sci-finder
- Vector NTI
- Word, Excel, Outlook

Experience

Research Associate, UCLA Chemistry and Biochemistry Department (*Aug2008- Dec2008*)

- Independent project with minimal supervision in Dr. Rubin's research group.
- Organic synthesis of fullerene hexakis malonates.

Research Associate, UCLA MIMG Department (*Sept 2007 – July 2008*)

- HSV vaccine development employing a fusion antibody of dendritic targeting DEC205 with HSV immediate early proteins or glycoproteins.
- Maintained all lab supply orders by obtaining proper purchase orders, placing orders with vendors, and following up on order status.

Assistant Store Manager, PC Club, Thousand Oaks (*Sept 2002 – June 2007*)

- Oversaw all aspects of retail operations involving customers, employees, sales, service, inventory, merchandizing, and marketing.
- Managed, trained, and disciplined sales and service departments consisting of 6-10 employees.

Hobbies

Home brewing (*August 2008-present*)

- Science and craft of anaerobic fermentation of maltose and other nutrients using *saccharomyces pastorianus* (lager yeast) and *saccharomyces cerevisiae* (ale yeast).