**ALICE BERG**

[aberg3388@gmail.com](mailto:aberg3388@gmail.com)

901 SW King Ave. Apt 917, Portland, OR 97205, (443) 823-1712

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**EDUCATIONAL BACKGROUND**

**Oregon College of Oriental Medicine,** Portland, Oregon September 2012-April 2013

M.Ac Degree, Anticipated 2015/16.

**Wellesley College,** Wellesley, Massachusetts 2006-2009

B.A. Degree, June 2009; **Major:** Biological Sciences; **Cumulative GPA:** 3.93/4.00 (AMCAS generated) (3.91/4.00, Wellesley only)

**Club(s):** BC2 (Biological Chemistry & Biology Club) (Treasurer); Chemistry Society (Treasurer); Art Club.

**St. Timothy’s School,** Stevenson, Maryland 2004-2006

Diploma received June 2006. **Cumulative GPA:** 4.00/4.00. Honors and AP classes.

**Club(s):** Art Club, Book Club, International Club, Model UN; Double Helix Club.

**Carver Center for the Arts and Technology,** Towson, Maryland 2003-2004

**Cumulative GPA:** 4.00/4.00. Gifted and talented classes.

**Club(s):** School representative in the Maryland Model Congress; Key Club.

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**COLLEGE HONORS/AWARDS**

* Oregon College of Oriental Medicine Merit Scholarship, 2012
* NIH Intramural Research Training Award (IRTA) Post-baccalaureate Fellow, 2009-2010
* Durant Scholar, magna cum laude, 2009
* Honors in Biological Sciences, 2009.
* Phi Beta Kappa, 2009.
* Sigma Xi, 2009.
* First Year Award for Excellence in Chemistry, Wellesley College Chemistry Department, 2006-2007.
* Gelman Scholarship, Maryland Institute College of Art Pre-College Program, 2005.

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**WORK EXPERIENCE**

**Tutor Doctor,** *Tutor*, Portland, OR May 2013-Present

* Tutor elementary through college-level students in math, science, reading, and/or writing upon assignment.

**Oregon College of Oriental Medicine Herbal Medicinary,** *Student Worker*, Portland, OR January 2013-April 2013

* Compiled bulk and granule herbal formulas prescribed by OCOM interns, faculty members, and outside practitioners.
* Helped manage inventory of patent, bulk, and granule formulas.

**Oregon College of Oriental Medicine,** *Volunteer Research Assistant*, Portland, OR September 2012-December 2012

* Helped organize data for analysis.

**Johns Hopkins School of Public Health,** *Data Analyst*, Baltimore, Maryland September 2011-July 2012

* Epidemiology research on adult global estimation of disease burden and serotype distribution for serious pneumococcal and meningococcal disease.

**Private Tutor**, Baltimore Maryland September 2011-January 2012

* Tutored a 9-year old autistic boy in math.

**Private Consulting Company,** *Ghost Writer* August 2011

* Wrote a comprehensive course on how to conduct a geriatric nursing assessment.

**Center for Applications and Innovations Research,** *Data Analyst,* Towson, MDJuly 2011-September 2011

* Facilitated in the oversight and evaluation of Maryland’s Race to the Top (RTTT) education reform projects at the newly instituted University Systems Maryland (USM) Center for Applications and Innovations Research (CAIRE) located at Towson University.

**Doctor’s Office,** *Medical Technician Temp*, Pikesville, MDMarch 2011

* Performed tests on patients as part of a complete physical exam, including electrocardiograms, eye exams, hearing tests, ankle-brachial index tests, etc.
* Interviewed prospective medical technicians and trained new employees.
* Performed secretarial work, including filing medical records, answering the phone, registering patients, etc.

**National Institutes of Health,** *Adjunct Scientist*, Bethesda, MDMay 2010-February 2011

* Dr. Lippincott-Schwartz lab; Various projects utilizing molecular biology and confocal microscopy techniques:
  + Investigated the role of specific nutrients in mitochondrial morphology and autophagosome formation.
  + Assayed whether or not a scaffolding protein implicated in type II diabetes was causal in the pathophysiology of HIV HAART (Highly Active Antiretroviral Therapy)-associated lipodystrophy, and if so whether HAART-induced toxicity could be reversed, etc.
  + Investigated whether manipulation of lipid trafficking pathways could sequester forming HIV virus particles in cellular compartments, thus preventing the spread of the HIV virus to neighboring cells.

**National Institutes of Health,** *Intramural Research Training Award (IRTA) Fellow* Sept. 2009-April 2010

* Dr. Howard lab; Investigated the epigenetics of aging and development in human paired visceral and subcutaneous preadipocytes/adipocytes in order to understand the pathophysiology of type II diabetes mellitus and the metabolic consequences of the HIV HAART (Highly Active Antiretroviral Therapy) regimen; Focused on genes involved in adipogenesis as well as mitochondrial genes encoded by the nucleus.

**NICHD Microscopy and Imaging Center***, Volunteer*, Bethesda, MDFebruary 2010-April 2010

* PALM microscopy data analysis
* Analyzed data from confocal microscopy multi-time experiments in order to quantitate transfer of florescent particles between viruses.

**Patient First,** *Intern/Student*, Owings Mills, MDJuly 2009-August 2009

* Administrative; Handled medical records and reviewed paperwork to ensure that patients were properly admitted by front desk representatives.

**THE PFORZHEIMER LEARNING AND TEACHING CENTER***, Tutor*, Wellesley College. 2008-2009

* Biology, Chemistry, and Psychology Assigned (one-on-one) peer tutor; Assisted students with study skills, writing assignments, etc.
* Attached (class tutor for BISC 110: Introduction to Cellular Biology) and Biology Help-Room tutor.

**Wellesley College, Biology Department,** *Student Researcher***,** Wellesley, MAJanuary 2008–May 2009

* **Honors Thesis**: Investigated the transient protein-protein interactions between chloroplast outer envelope proteins implicated in lipid metabolism and proteins of the plant cell cytosol using high-throughput methods.
* **Independent Study**: (Spring 2008) Investigated endocytosis of the phototropin receptors in plant leaf mesophyll cells using confocal microscopy.

**Johns Hopkins University SURE Program,** *Biology Department Intern***,** Baltimore, MDSummer 2008

* Performed Transmission (Conventional) Electron Microscopy (TEM) studies; employed TEM and fluorescence microscopy in two projects at the Integrated Imaging Center (IIC):
  + Investigated the morphological defects in quadruple adaptor mutant cell; created a poster and participated in a poster session presenting this study
  + Investigated the ability to regenerate cornea tissue using limbal stem cells grafted to collagen vitrigel

**Mantzoros Lab, Beth Israel Deaconess Medical Center,** *Research Assistant***,** Boston, MASummer 2007

* Facilitated and performed data analysis on clinical research studies investigating leptin and adiponectin in patients with Hypothalamic Amenorrhea (HA), Type II Diabetes Mellitus, and HAART (Highly Active Antiretroviral Therapy)-associated lipodystrophy.
* Helped to coordinate a NIH-K24 grant proposal.

**Vector Marketing Corp, *Field Sales Representative*,** Maryland Summer 2006

* Called clients and scheduled appointments for presentation and sale of Cutco cutlery, sporting knife, and cookware products.
* Managerial candidate for 2007.
* Regional Sales Champion (sales in six and a half weeks exceeding $65,000).
* **Awards:**
  + - DC Metro Division # 1 Sales Rep.
    - 2006 2nd Summer Conference # 2 in Personal Sales.
    - 2006 Key Staff Leadership Conference Personal Sales Champion.
    - 2006 Summer Excellence in Personal Sales.
    - Vector Marketing Corp. National Rising Star League Top 20 in Personal Sales 2006.
    - Vector Marketing Corp. College All-American National Top Ten (3rd in Nation) 2006.
    - President’s Club.
    - All-American Scholarship.
    - Inner Circle Award.

**St. Timothy’s School**, *Peer Tutor*, Stevenson, MD. 2005-2006

* Assisted students with study skills, reading, writing, and pertinent subject matter.

**Blakehurst Retirement Community**, *Nursing Home Volunteer*, Towson, MD. Summer 2005

* Assisted residents with daily tasks, such as eating, walking, etc; facilitated residential activities, such as wheelchair exercises, arts and crafts, and other games; conversed with residents.

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**INTERESTS**

Reiki I&II attunement,qigong, aromatherapy, painting/drawing, art history, tutoring, traveling, infectious diseases (HIV), regenerative medicine, learning new things.