

VY NGOC NGUYEN

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Philadelphia, PA 19102
(805) 259-9571
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EDUCATION

Drexel University

Philadelphia, PA

Ph.D. Candidate in Biomedical Engineering

Anticipated Graduation: June 2015

University of California, Santa Barbara

Santa Barbara, CA

Bachelor of Science in Biochemistry-Molecular Biology

Minor in English - 2008

RELEVANT COURSEWORK

Biochemistry	Cell and Developmental Biology	Physical Chemistry
Biomedical Statistics	Medical Device Development	Organic Chemistry
Medical Science 1&2	Introduction to Biosensors	General Biology

EXPERIENCE

Millipore Corporation, Hayward, CA. Research Scientist I Feb 2009 – Sept 2009

- Testing and validation of Guava easyCyte 8 HT Flow Cytometry System.
- Assay development for Cytochrome *c* and RapidQuant Projects.

Guava Technologies Inc., Hayward, CA. Research Associate I July 2008 – Feb 2009

- Assay development for Auto CD8, and Serine Protease Projects.
- Planning, development, and implementation of original experimental procedures within the overall scope of a research project.

Wilson Lab, Santa Barbara CA. Independent Research Feb 2007 – Sept 2008

- Studied the anti-proliferative effect of bilberry extracts and anthocyanidins using cell based assays.

Mazer Lab, Santa Barbara CA. Independent Research Feb 2005 – Sept 2006

- Surgically dissected plant ovaries to count microscopic ovules.
- Assessed the developmental stages of individual flowers.
- Managed large dataset.

Guava Technologies Inc., Hayward, CA. Summer Intern 2003 – 2007

- Performed cell-based assays, and quality control tests on manufactured reagents.
- Performed final quality control tests on various manufactured Guava flowcytometry platforms.
- Assisted in assay development for Guava Check, Nexin, RapidQuant, ExpressPro, and Cell Cycle Projects.
- Daily instrument calibration and maintenance.

St. John's Regional Medical Center, Oxnard CA. Clinical Care Extender 2007

Albertson Music Studio, Fremont, CA. Piano Instructor 2001 – 2004

Masonic Home for Adults, Union City CA. Volunteer 2001 – 2004

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LEADERSHIP

Vice President. The Health Professions Association, UCSB.	2007 – 2008
Co-Vice President. The National Society of Leadership and Success, UCSB.	2006 – 2007
Treasurer. The Health Professions Association, UCSB.	2006 – 2007
Community Service Chairperson. The National Society of Leadership and Success, UCSB.	2005 – 2006

PUBLICATIONS

Vy Nguyen, J. Tang, E Oroudjev, C. Jae, C. Marasigan, G. Ayoub and L. Wilson. Cytotoxic Effects of Bilberry Extract on MCF7-GFP-Tubulin Breast Cancer Cells. Journal of Medicinal Food- Apr13(2):278-85. 2010.

Lee CJ, Wilson L, Jordan MA, **Vy Nguyen**, Tang J, Smiyun G. Hesperidin suppressed proliferations of both human breast cancer and androgen-dependent prostate cancer cells. Phytotherapy Research- Jan;24 Suppl 1:S15-9. 2010.

Julie Clor, Katherine Gillis, Kathryn Collins, **Vy Nguyen** and Kamala Tyagarajan Millipore Corp. Evaluation of External Blood Controls for Use with the Guava® Auto CD4/CD4% Assay for CD4 Count and CD4% Monitoring. Application Note. 2009.

Vy Nguyen, J. Tang, E Oroudjev, C. Jae, C. Marasigan, G. Ayoub and L. Wilson. Induction of MCF-7 Cells with Anthocyanidins Leads to Anti-proliferative Effect in Cell Cycle. University of California, Santa Barbara Undergraduate Research Colloquium. 2008.

Julie Clor, **Vy Nguyen**, Dianne Fishwild and Kamala Tyagarajan. Simplified Antibody Quantification on a Microcapillary Cytometry Platform. Guava Technologies Inc. Abstract. 2008.

SKILLS

Programming: Introductory Knowledge on MATLAB, Jmol.

Software Applications: Microsoft Word, Excel, Powerpoint.

Lab: Strong organizational, and data analysis skills. Ability to work fairly independent in a fast paced, multi- tasking, team oriented environment.