BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME	POSITION TITLE
Grace Wu, Ph.D.	Post Doctorate (Boston University, Biomedical Engineering)
eRA COMMONS USER NAME WGRACIE	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of California, Berkeley	B.S.	2008	Bioengineering (Honors)
Boston University	M.S.	2012	Biomedical Engineering
Boston University	Ph.D.	2014	Biomedical Engineering

A. Personal Statement

My research interests include diagnostics for global health applications, including drunk driving and substandard drugs. Through my research and industry work, I am familiar with cancer metastasis, electrochemistry, assay development, paper microfluidics, and molecular biology techniques. I have published 2 peer-reviewed articles, with another 2 in preparation, and presented at conferences to audiences of a broad range of technical background. In support of my doctoral work, I received funding from the NIH Biomaterials Training Grant as well as an Engineering Healthcare Fellowship from CIMIT (Center for Integration of Medicine and Innovative Technology).

B. Positions and Honors

Positions and Employment

2006 – 2008 Undergraduate Researcher, University of California – Berkeley, Berkeley, CA
Summer 2007 Manufacturing Sciences Intern, Bayer Healthcare, Berkeley, CA
Summer 2008 Process Engineering and Technology Intern, Genencor International, Palo Alto, CA
Fall 2008 Research Trainee, Institute of Biomedical Engineering, Porto, Portugal
2009 - 2014 Graduate Teaching Assistant, Boston University, Boston, MA

Honors and Awards

2006 Membership in Tau Beta Pi (National Engineering Honor Society, UC Berkeley)
2006, 2007 Tau Beta Pi, Officer of the Semester
2008 International Association for the Exchange of Students for Technical Experience (IAESTE), Local Committee of the Year
2009 Boston University Distinguished Biomedical Engineering Fellowship
2009 NIH Training Grant Trainee, Translational Research in Biomaterials
2011 Center for Integration of Medicine & Innovative Technology (CIMIT) Engineering Fellowship
2011 Smart Lighting Business Challenge, 2nd place (BU Energy)
2011 Acceptance to NSF-NSC Biosensing & Bioactuation Summer Institute (National Taiwan University)
2014 Vanderbilt-Zambia Network for Innovation in Global Health Fellowship – declined due to scheduling conflict

C. Selected Peer-Reviewed Publications (in chronological order)

1. Desai, D., Wu, G. & Zaman, M. H. “Tackling HIV through robust diagnostics in the developing world: current status and future opportunities.” *Lab Chip* 11**,** 194–211 (**2011**).
2. Wu, G. & Zaman, M. H. “Low-cost tools for diagnosing and monitoring HIV infection in low-resource settings.” *Bull. World Health Organ.* 90, 914–20 (**2012**).

3. Wu, G., Srivastava, J. & Zaman, M. H. “Stability measurements of antibodies stored on paper.” *Anal. Biochem.* 449, 147–154 (**2014**).
4. Wu, G., Gongordu, H., Tagontong, N., Hall, P. and Zaman, M. “A novel method to detect misoprostol on an enzymatic paper-based electrochemical device.” *Analytical Biochemistry* (in preparation).
5. Wu, G., and Zaman, M. “Integration of a paper-based electrochemical device with a commercial glucose meter for ethanol measurements.” *Talanta* (in preparation).

D. Research Support

Ongoing Research Support

Completed Research Support