

# Angela Zhang

320 Memorial Dr. Cambridge, MA 02139    Phone: (919) 428-5102    Email: zhanga@mit.edu

## Education

### Massachusetts Institute of Technology

*Candidate for Bachelor of Science in Biology with Minors in Chemistry & Psychology*

Cambridge, MA

*Expected Graduation: June 2015*

Relevant Courses: Chemical Science, Organic Chemistry I & II, Genetics, Biochemistry, Experimental Biology

GPA: 5.0/5.0

### North Carolina School of Science and Mathematics

Durham, NC

Weighted GPA: 5.9/6.0    Unweighted GPA: 4.0/4.0    ACT: 35 (36 E, 36 M, 36 S, 34 R)

*Aug. 2009 – June 2011*

### Chapel Hill High School

Chapel Hill, NC

Weighted GPA: 4.8/6.0    Unweighted GPA: 4.0/4.0

*Aug. 2007 – June 2009*

## Work Experience

### MIT Department of Biological Engineering - Ribbeck Lab

Cambridge, MA

*Undergraduate Researcher*

*Jan. 2012 – Present*

- Studying effect of mucins on gene expression and zinc sequestration in *C. albicans* with qPCR in context of candidal infections
- Completed project studying effect of mucins on *C. albicans* attachment to clinically relevant substrates with fluorescence microscopy

### MIT Academic Teaching Initiative

Cambridge, MA

*SAT II Prep Chemistry & Writing Teacher*

*Sept. 2011 – Present*

- Teach general chemistry concepts and English, grammar, and writing skills to ~60 high school students
- Create original curriculum and grade weekly essay assignments

### MIT Chemistry Department

Cambridge, MA

*Undergraduate Tutor*

*Feb. 2012 – June 2012*

- Tutored students taking *Principles of Chemical Science* individually on a weekly basis
- Reviewed and focused on general chemistry concepts that students had difficulty understanding

### Duke University Medical Center - Parker Lab

Durham, NC

*Research Intern*

*June 2010 – Aug. 2011*

- Studied benefits of human breast milk over infant formulas in the context of colonization of newborn gut by microbial flora
- Awarded Siemens national semifinalist, NC International Science Challenge finalist, and Sigma Xi Student Research finalist
- First authored manuscript in *Current Nutrition & Food Science* (see Publications)

## Leadership Experience

### MIT Asian Dance Team

Cambridge, MA

*Director of Publicity*

*May 2012 – Present*

- Publicize organization and showcases by postering, advertising, maintaining social media sites, and updating website (mitadt.com)
- Organize on-campus workshops and classes for local youth through MIT Educational Studies Program

### MIT InnoWorks

Cambridge, MA

*Operations and Curriculum Officer & Deputy Director*

*Sept. 2011 – Present*

- Design curriculum and agenda for InnoWorks, a science/engineering camp for underserved Boston area middle school students
- Handle organizational and logistical tasks, including room reservations, EHS approval, and materials purchases

### MIT Medical

Cambridge, MA

*MedLinks Member*

*Sept. 2011 – Present*

- Advocate student and community wellness in living communities and provide OTC medications and first aid treatment
- Trained in first aid, CPR, and a variety of health-related topics

### MIT Society of Women Engineers

Cambridge, MA

*Region F (New England) Conference Outreach Event Coordinator*

*Sept. 2011 – June 2012*

- Designed activities for conference outreach event and recruited both collegiate volunteers and event participants
- Contacted Boston outreach organizations and conference speakers

## Publications

Zhang, Angela et al. "Human whey promotes sessile bacterial growth, whereas alternative sources of infant nutrition promote planktonic growth." *Current Nutrition & Food Science* 8.3 (2012): 168-176.

## Skills

**Computer Skills:** Microsoft Word, Powerpoint, Excel, Prism, Adobe Photoshop; basic knowledge of Python, XHTML, and CSS

**Languages:** Mandarin Chinese, French