

Cristina F. Contreras

812 Alex Way, Mount Juliet, TN 37122

Contact Info: (615) 707-1201 / cristiecc@mit.edu

Education

Massachusetts Institute of Technology

Candidate for Bachelor of Science in Biological Engineering

June 2017

GPA: 5.0/5.0

Relevant Courses: Introductory Biology

Genetics

Thermodynamics of Biomolecular Systems

General Chemistry

Organic Chemistry

Tennessee Governor School for Engineering – University of Tennessee at Knoxville

Summer of 2012

Relevant courses: Introduction to Biomedical Engineering

Engineering Fundamentals

GPA: 4.0/4.0

Work Experience

Langer Lab at MIT

Undergraduate Researcher

Cambridge, MA

February 2014 - Present

- Assisting a post-doctoral in the development and characterization of a novel printable, degradable and biocompatible tissue scaffold.

Vanderbilt University School of Engineering

Undergraduate Researcher

Nashville, TN

May 2014- August 2014

- Worked on the development of a micro mixer device for the improved synthesis of polyplexes.
- Characterized polyplexes using Dynamic Light Scattering Zetasizer, Transmission Electron Microscopy and Flow Cytometry.

Science Club for Girls

Special Events Assistant

Cambridge, MA

October - December 2013

- Responsible for administrative activities to support local clubs that mentor students from Kindergarten through 12th grade on the fields of Science, Technology, Engineering and Math. Assisted the planning and organization of fundraising events.

Leadership and Club Membership

Leadership Training Institute at MIT

Student Recruitment Chair

2014-2015

- Responsible for the recruitment and selection of high school students into LTI. Tasks include creating an application, contacting schools, setting up and making visits, and selecting 30 students to participate in the program during the spring.

Project Mentor

2013-2014

- Mentored two Boston high school students in the development of a community service project.

Society of Professional Hispanic Engineers

Hispanic Issues Liaison

2014-2015

- Responsible for representing Society of Professional Hispanic Engineers before the other latino groups at MIT.
- Planning professional and social events to with other latino groups such as networking events and mixers, respectively.

Society of Women Engineers

Member

2014-2015

- Participating in outreach events to share STEM excitement with elementary and middle schools girls through hands-on activities and labs.

Training Seminars

Project Mentoring training by Leadership Training Institute. Cambridge, MA

October 2013

Dale Carnegie Leadership Training "Generation Next"

June 2009

Skills and Knowledge

Creative, highly motivated, eager to learn and able to learn fast, attentive to detail, team work focused, highly responsible and strongly communicative at any organization level

Technical Skills: Microsoft Office, iWork, DLS ZetaSizer.

Languages: Fluent in Spanish and English, Basics in French.