

Tik-Chee (Jenny) Cheng

Phone: (626) 379-1968

E-mail: jcheng0102@gmail.com

www.linkedin.com/in/tikcheejennycheng

EDUCATION:

- Present **University of Wisconsin**, Madison, WI
Graduate student, Biomedical Engineering, Expected Graduation: August 2020
Advisor: Dr. Naomi Chesler
- 2015 **University of California**, San Diego, CA
Bachelors of Science in Bioengineering, concentration in Biotechnology
Project Advisor: Dr. Jeff Omens and Dr. Andrew McCulloch

EXPERIENCE:

- Summer 2015 Upstream Bioprocess Development Intern
Gilead Sciences, Oceanside, CA
- 2013 – 2015 Research Assistant, Department of Bioengineering
University of California, San Diego, CA
- 2014 – 2015 Research Mentor, Department of Bioengineering
University of California, San Diego, CA
- 2014 Teaching Assistant, Department of Bioengineering
University of California, San Diego, CA
BENG 1: Introduction to Bioengineering- Discussion section instructor

HONORS AND AWARDS:

- 2015 – 2016 NIH T32 Fellowship – Training Program in Translational Cardiovascular Science
- 2014 – 2015 UC San Diego Warren College Undergraduate Research Scholarship
- Summer 2014 Qualcomm Institute Calit2 Summer Scholarship
- 2011 Alhambra Chamber of Commerce Student Scholarship

SKILLS:

- Laboratory Mammalian cell culture, Western blot, Immunofluorescence, Electron microscopy, Confocal microscopy, Light microscopy, Electrophoresis, Protein techniques, High-throughput screening assay experimentation, Some polymer synthesis, Real-Time PCR
- Surgical Primary neonatal mouse cardiac cell isolation, Primary adult mouse heart extraction, Mouse animal handling
- Computer Microsoft Office, ImageJ, Ingenuity
- Language Java, Matlab, Mathematica, Labview, C/C++
- Hobbies Photography, Music, Detective novels

PRESENTATIONS:

1. “Analysis of Structural Changes in CaMKII-delta Knockout Mouse Models.” UC San Diego 2nd Annual Summer Undergraduate Research Conference, August 14, 2014.
2. “Sarcomere Length and Lattice Spacing of Actin-Myosin Filaments in Cardiomyocytes.” UC San Diego 27th Annual Undergraduate Research Conference, April 26, 2014.

POSTER PRESENTATIONS:

1. Selfridge, A., **Cheng, T.C.**, Leon, J., Day, T., Omens, J. “Macroscopic Imaging of Isolated Hearts.” 9th Annual Bioengineering Day, April 18, 2015, San Diego, CA.
2. **Cheng, T.C.**, Buchholz, K., Stowe, J., Pfeiffer, E., Omens, J. “Measurement and Analysis of Sarcomere Length and Lattice Spacing in Cardiomyocytes after Applied Strain.” 15th Annual UC Systemwide Bioengineering Symposium, Irvine, CA.
3. **Cheng, T.C.**, Dewan, S., Omens, J. “Effects of CaMKII-delta Knockout on Sarcomere Structure.” Qualcomm Institute 2014 Summer Undergraduate Poster Session. October 1, 2014, San Diego, CA.