

Chi-Hsuan (Sean) Chang

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EDUCATION

Baylor College of Medicine (BCM), Ph.D. in Biomedical Sciences (GPA 3.3), Houston, TX 2009 - 2015 (expected)

- Design, conduct, and lead a project to identify specific **therapeutic targets for breast cancer**.
- **1st place winner**. Oral presentation in Breast Center Retreat, 2013
- **1st place winner**. Poster presentation in FlowTex Conference, 2013

National Chung Hsing University (NCHU), B.S. in Life Sciences (GPA 3.64), Taichung, Taiwan 2002 - 2006

- National Science Council Research Scholarship, 2005 - 2006 (*top 10% of all applicants nationwide*)
- Outstanding performance award for student research project, 2006 (*top 3 in 54 students*)
- Outstanding academic performance award, 2005 (*ranked 2nd in 54 students*)

LEADERSHIP EXPERIENCE

Vice President, Taiwanese Student and Scholar Association, BCM, Houston, TX 2011 - 2012

- Conceived the publication of the first edition of student handbook for incoming international students, which has been adopted by two other international student associations in Houston.
- Increased both membership and participants of monthly events by 40% by creating social media groups.

Organizer, Research Conference of IMBS Program, BCM, Houston, TX 2012

- Organized annual research conference for IMBS program, which comprises more than 200 faculty and students.
- For the first time, invited keynote speaker from industry (*Dr. Joe Bolen, CSO of Millennium Pharmaceuticals*), and helped the audience know more about biomedical research in industry.
- By increasing 25% of the budget for social event, I increased the participants by 50% compared to the prior year.

Sergeant, Marine Corps, Chemical troops, Taiwan 2007 - 2008

- Led a squad of soldiers performing daily training, and operating M56A1 motorized smoke generator.
- Attended two large scale maneuvers at the southernmost area of Taiwan.

President, Student Association, Department of Life Sciences, NCHU, Taichung, Taiwan 2004 - 2005

- Supervised and organized a variety of student affairs, annual activities, and sport events for the department, which comprises more than 350 students.
- Participated monthly meetings with department chair and faculty to discuss department affairs.

PROFESSIONAL EXPERIENCE

Attendee, American Association for Cancer Research Radiation Oncology Think Tank, Fort Myers, FL 2015

- Selected participants only. Only 3 graduate students were invited along with 67 professors and clinical doctors.
- Intense team discussions for optimizing cancer care through advancements in radiation science and medicine.

Teaching Assistant, Department of Biology, Texas A&M University, College Station, TX 2008 - 2009

- Taught more than 100 undergraduate students in Introductory Biology Lab. Performed 30 min lecture and 2.5 hr experiment supervision twice a week for two semesters.
- Organized and prepared materials to help students understand complicated biological phenomena more easily.

Research Assistant, Department of Life Sciences, NCHU, Taichung, Taiwan 2006 - 2007

- Produced and analyzed transgenic mice as models to detoxify mercury in mammals.
- Finished two paper manuscripts, and published one in top journal (*Vaccine, top 1% in Veterinary Sciences field*).

SELECTED PUBLICATIONS (out of total of 5)

1. **Chang CH**, Zhang M, Coarfa C, Rosen JM. Mammary stem cells and tumor-initiating cells are more resistant to apoptosis and exhibit increased repair activity in response to DNA damage. *Stem Cell Reports*. 2015. (*in revision*)
2. Zhang M, Tsimelzon A, **Chang CH**, Fan C, Wolff A, Perou CM, Hilsenbeck SG, Rosen JM. Intratumoral heterogeneity in a p53 null mouse model of human breast cancer. *Cancer Discovery*. 2015.

ADDITIONAL INFORMATION

- **Languages:** Fluent in English and Mandarin
- **Activities:** American Ninja Warrior (*application video sent in 2015*); Volleyball (*captain in 2004, 2013, 2014*); Softball (*captain in 2013*); Basketball; Travelling (*been to more than 30 major cities around the world, and 12 National Parks in the US*)