

Shao-Ting Chiu

National Taiwan University, Taipei, Taiwan
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EDUCATION

National Taiwan University, Taipei, Taiwan
Bachelor of Electrical Engineering

Graduation: June. 2018
GPA: 3.71/4.3

National Taiwan University, Taipei, Taiwan
Master in Graduate Institute of Biomedical Electronics and Bioinformatics

Expected Graduation: June. 2020

National Yang-Ming University, Taipei, Taiwan
Sophomore in Department of Dental Surgery

Expected Graduation: Sept. 2022

RESEARCH INTERESTS

Systems biology, mitochondria and image processing

ACHIEVEMENTS

- International Student Science Forum 2017, best presentation award Jun. 2017
- Mobile App Design Contest, National Taiwan University, excellent work Dec. 2015
- Intel International Science and Engineering Fair, 4th Place Grand Award May 2014
- Taiwan International Science Fair, 1st Place & Young Scientist Award Jan. 2014

RESEARCH AND INVENTION

"Understanding the System Dynamics of Mitochondrial Retrograde Signaling from a Differential Equation-based Framework"

Shao-Ting Chiu and An-Chi Wei

- Oral presentation. 2019 ICSB. Okinawa, Japan. [Accepted]

"The Influences of Mitochondrial Depolarization on Mitochondrial Network Structures"

Shao-Ting Chiu, Jun-Yi Leu and An-Chi Wei

- Oral presentation. 2017 BMES Annual Meeting. Phoenix, USA. [\[link\]](#)

"Information Transduction Capacity of Mitochondrial Retrograde Signaling"

Shao-Ting Chiu, Jun-Yi Leu and An-Chi Wei

- Poster presentation. 2017 thematic meeting of Biophysical Society, Taipei, Taiwan. [\[link\]](#)
- Sponsored by Ministry of Science and Technology, Taiwan.

"A Spectral Information Coding System for the Visually Impaired"

Shao-Ting Chiu and Yi-Hsuan Wu

- Best presentation award. International Student Science Forum 2017, HCMC, Vietnam. [\[link\]](#)
- Sponsored by Taidah Entrepreneurship Center of National Taiwan University.
- 中華民國專利-多項搜尋回饋系統與方法. (Application No. 106129729) [\[link\]](#)

“The State of Parental Mitochondria Influences the Replicative Lifespan of Zygotes of *S. cerevisiae*”

Pei-Ming Chen and **Shao-Ting Chiu**

- Poster presentation. 2014 Intel International Science Fair. Los Angeles, USA

[\[link\]](#)

EXTRACURRICULAR ACTIVITIES

- CUHK Engineering HK PhD Fellowship Summer Workshop, Hong Kong Aug. 2017
- International Student Science Forum, HCMC, Vietnam Jun. 2017
- Asian Science Camp, Bangalore, India Aug. 2016

LANGUAGE SKILLS

- TOEFL iBT (reading, listening, speaking, writing, total): 23, 25, 22, 24, 94 Sept. 2017
- Vietnamese: Level B • Native Chinese speaker • Programming: Python/ Matlab