

Peiyuan Huang

Room 1120, M.W. Mong Engineering Building, Chinese Univ. of Hong Kong, Sha Tin, Hong Kong SAR
(+852) 9512-9179 peiyuan.huang@outlook.com

EDUCATION

Chinese University of Hong Kong	Hong Kong SAR, China
Ph.D. Candidate, Biomedical Engineering	2019–2023
University of Texas Southwestern Medical Center	Dallas, United States
Graduate Student, Biomedical Engineering	2017–2018
Nanjing University	Nanjing, China
B.Sc., Chemistry	2013–2017

RESEARCH EXPERIENCES

Chinese University of Hong Kong	Hong Kong SAR, China
Junior Research Assistant, advisor: Dr. Liting Duan	2018–2019
University of Geneva	Geneva, Switzerland
Visiting undergraduate student, advisor: Dr. Eric Bakker	2016

PUBLICATIONS

5. **Huang, P.**, Zhao, Z. & Duan, L.* (2022). Optogenetic activation of intracellular signaling based on light-inducible protein-protein homo-interactions. *Neural regeneration research*, 17(1), 25-30.
doi.org/10.4103/1673-5374.314293
4. Song, Y., **Huang, P.**, Liu, X., Cui, B. & Duan, L.* (2021). Light-inducible deformation of mitochondria in live cells. *Cell chemical biology*, online.
doi.org/10.1016/j.chembiol.2021.05.015
3. **Huang, P.**, Liu, A., Song, Y., Hope, J. M., Cui, B. & Duan, L.* (2020). Optical activation of TrkB signaling. *Journal of molecular biology*, 432(13), 3761-3770.
doi.org/10.1016/j.jmb.2020.05.002
2. **Huang, P.**, Song, Y., Zhang, N., Zhao, Z. & Duan, L.* (2020). Optogenetics based on light-gated protein-protein interactions and its applications (invited review). *Chinese journal of lasers*, 47(2), 0207010.
doi.org/10.3788/CJL202047.0207010
1. Xu, J., **Huang, P.**, Qin, Y., Jiang, D.* & Chen, H. Y. (2016). Analysis of intracellular glucose at single cells using electrochemiluminescence imaging. *Analytical chemistry*, 88(9), 4609-4612.
doi.org/10.1021/acs.analchem.6b01073

EXTRACURRICULAR ACTIVITIES

Chinese University of Hong Kong <i>Teaching Assistant</i>	2019–2021
• Taught 100+ hours lessons in 3 courses, supervised 8 undergraduate student portfolios and theses	
United to Serve, UT Southwestern <i>Team Leader, Committee Member</i>	2017–2018
• Facilitated 6 monthly group discussions for 100+ high school teenagers with topics on nutrition, drug/alcohol, and mental health. Recruited 8 volunteers for designing core curriculums	
• Shaped a health fair with fun experiments in need of K-12 science education for 200+ children	
Students' Association Union, Nanjing University <i>Manager of General Office</i>	2013–2015
• Organized 50+ bi-weekly meetings with responsibility of interdepartmental coordination	
• Set up 2 recruiting events for nearly 100 associations among 6 local universities each year	

PRESENTATIONS

Hong Kong Inter-University Postgraduate Symposium in Biochemical Sciences	2021
Research Poster Exhibition 2021 for CUHK postgraduates	2021
CUHK Engineering HK PhD Fellowship Summer Workshop	2019

HONORS AND AWARDS

3 rd prize, The 6 th Hong Kong University Student Innovation and Entrepreneurship Competition	2020
Marie Skłodowska-Curie Actions Research and Innovation Staff Exchange (RISE)	2016
The People's Scholarship in China	2014, 2015
1 st prize, Chinese Chemistry Olympiad	2013