

傅琪鈺 Chi-Cheng Fu, Ph.D.

NVIDIA - Senior Developer Relations Manager, Strategic Researcher Engagement

Dr. Chi-Cheng Fu is influencing top researchers and premier institutions to use NVIDIA platforms for scientific breakthroughs that advance their fields. Holding a Ph.D. in Bioengineering from UC Berkeley with a postdoc at HHMI, Dr. Fu's diverse research interests encompass AI applications in medicine, single stem cell genomics, biochips, and nanotechnology. His significant contributions have been featured in esteemed publications such as Science, Nature Nanotechnology, PNAS, Advanced Materials, and Radiology.

Work Experience

- Chief Scientist, Fosun Aitrox, Fosun Group, China (2019 – 2023)
- CTO, Weimeiwei Technology, China (2014 – 2019)
- Postdoctoral scholar, Howard Hughes Medical Institute (HHMI), USA (2013 – 2014)
- Teaching and Research assistant, UC Berkeley and UCSF, USA (2009 – 2011)
- Research assistant, Academia Sinica, Taiwan, ROC (2003 – 2008)

Education

- Ph. D., Bioengineering, UC Berkeley, USA (2009 – 2012)
- Master, Biomedical Engineering, National Taiwan University (2001 – 2003)
- Bachelor, Electronic Engineering, National Taiwan University of Sci. and Tech. (1999-2001)

Selected Publications

- "Generalizability and diagnostic performance of artificial intelligence models for thyroid US " WenWen Xu, ZiHan Mei, XiaoLin Gu, Yang Lu, Chi-Cheng Fu, JianQiao Zhou, et al., **Radiology**, 2023 (IF:29.2)
- "An imaging-based artificial intelligence model for non-invasive grading of hepatic venous pressure gradient in cirrhotic portal hypertension" Qian Yu, Yifei Huang, Xiaoguo Li, Qu Fang, Chi-Cheng Fu, Xiaolong Qi, et al., **Cell Rep. Med.**, 2022 (IF: 17.0)
- "A New AI-assisted Scoring System for PD-L1 expression in NSCLC" Ziling Huang, Lijun Chen, LeiLv, Chi-Cheng Fu, Yuan Li, et al., **Comp. Meth. and Prog. in Biomedicine**, 2022 (IF: 6.8)
- "Deep convolutional neural network-based classification of cancer cells on cytological pleural effusion images", Xiaofeng Xie, Chi-Cheng Fu, Chunyan Wu, et al., **Modern Pathology**, 2022 (IF:7.8)
- "Self-powered integrated microfluidic point-of-care low-cost enabling (SIMPLE) chip,"Erh-Chia Yeh, Chi-Cheng Fu, Lucy Hu, Rohan Thakur, Jeffrey Feng, Luke P. Lee, **Science Advances**, 2017 (IF:14.1)
- "Opposing intrinsic temporal gradients guide neural stem cell production of varied neuronal fates," Zhiyong Liu*, Ching-Po Yang*, Ken Sugino*, Chi-Cheng Fu *, Ling-Yu Liu, Xiaohao Yao, Luke P. Lee, Tzumin Lee, **Science**, 2015 (*contributed equally, IF: 63.8)
- "Calcium transients closely reflect prolonged action potentials in iPSC models of inherited cardiac arrhythmia,"C. Ian Spencer, Shiro Baba, Chi-Cheng Fu, Shinya Yamanaka#, and Bruce R. Conklin, et al., **Stem Cell Reports**, 2014 (#2012 Nobel Prize winner, IF:7.8)
- "Graphene nanopore with a self-integrated optical antenna," SungWoo Nam*, Inhee Choi*, Chi-Cheng Fu *, Kwanpyo Kim, SoonGweon Hong, Yeonho Choi, Alex Zettl, and Luke P. Lee, **Nano Lett.**, 2014 (*contributed equally, IF:11.2)
- "Tunable nanowrinkles on shape memory polymer sheets" Chi-Cheng Fu, Anthony Grimes, Maureen Long, and Michelle Khine et al, **Adv. Mater.**, 2009 (IF:30.9)
- "Mass production and dynamic imaging of fluorescent nanodiamonds," Yi-Ren Chang, Hsu-Yang Lee, Kowa Chen, Chi-Cheng Fu, Huan-Cheng Chang, Wunshain Fann, et al., **Nat. Nanotech.**, 2008 (IF:39.2)
- "Characterization and application of single fluorescent nanodiamonds as cellular biomarkers," Chi-Cheng Fu, Hsu-Yang Lee, Kowa Chen, and Wunshain Fann, et al, **PNAS**, 2007 (IF: 11.2)