New Grants received in 2022

1. R01 EB032391-01, computational chemical imaging, $2,379,816, 4/1/2022 to 12/31/2025
2. NIH SBIR Phase 2, Fluorescence enhanced-MIP, GM142346 $300,000
3. Daylight Solutions, IR-AIMS, MIRCAT + $100,000, 2022 to 2023
4. R01 supplement from Brandeis University $150,000
5. Jesse Brown VA Medical Center, $406,812 (direct cost) Jan 2023 - 2026
6. R21 EY034275 MW stimulation, $660,000
7. Army Bioelectronics $700,000, PI: Chen Yang
8. Ultrasound Foundation $80,000 PI: Chen Yang
9. Axorus seed fund $10,000 PI: Chen Yang
10. BU ignition award $75,000, PI: Chen Yang
Career Advancement in 2022
1. Dr. Peng Lin, graduated in June 2022. Scientist at Apple
2. Dr. Linli Shi, Graduated in Aug 2022. Postdoc at FDA
3. Dr. Ying Jiang, joined MIT as postdoc, Jan 1, 2022
4. Dr. Jian Zhao, moved to MIT for his second postdoc, Sept 1, 2022
5. Dr. Guangju Zhang, found an industry job at New York
6. Dr. Ji-Xin Cheng, guest professor at University of Vienna

New postdoc fellows in 2023
Dr. Franny Yu, postdoc in neuromodulation
Dr. Jianpeng Ao, postdoc in chemical imaging
Peer Reviewed Articles published in 2022 (total 16)

Reviews
J Phys Chem B (feature article), Qing Xia et al.
Neurophotonics, Linli Shi et al.

Original Articles
Nature Communications, Yuying Tan et al.
Nature Communications, Jian Zhao et al.
PNAS, Xiaowei Ge et al.
PNAS, Guangyuan Zhao, Yuying et al.
Light Sci & Appl, Yueming Li et al.
Advanced Science, Pu-Ting Don et al.
Advanced Science, Jing Zhang et al.
ACS Photonics, Cheng Zong et al.
Optics Express, Peng Lin et al.
Optics Express, Eric Huang et al.
Translational Biophotonics, Yi Zhang et al.
JCI insight, Pu-Ting Dong et al.
Photochemistry and Photobiology, Sebastian Jusuf et al.
Frontiers in Neurology, Guo Chen et al.
Having Fun besides research ---
Our backet ball team
Research Direction #1
Uncover New Rules of Life via Innovating Advanced Chemical Microscopy

- Bond-based Reporters
- Cutting-edge Instrumentation
- Advanced Data Science
- Biological Question
Research Direction #2
Precisely Control Cellular Activity via Manipulating Photons and Waves

Microwave Split Ring perimeter = microwave length