

## Short CV:

Dr. Yin Chang received dual Ph.D. degrees in Chemistry and Engineering from the University of Cambridge. She later carried out interdisciplinary research in molecular biology and biological physics at Technische Universität Dresden (TUD) and the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Germany.

Her research combines advanced three-dimensional imaging, chemical mapping, and multiscale characterization to investigate how structure, composition, and physical function are coupled in biological materials. Leveraging techniques including correlative 3D microscopy, spectroscopy, and scattering methods, she studies the emergence of optical, mechanical, and adaptive functionalities across hierarchical length scales.

Using biological photonic systems, biomineralized architectures, and hydrated soft matter as model platforms, her work aims to uncover fundamental principles of biological self-organization and to inspire next-generation functional materials.

She is currently an Assistant Professor at National Sun Yat-sen University and actively develops collaborations across Europe and Asia in biological physics, bio-inspired materials, and correlative imaging.