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UNIVERSITY
AWARDS 2025
RECOGNISING EXCELLENCE

CITATION FOR PROFESSOR LIU XIAOGANG
UNIVERSITY RESEARCH RECOGNITION AWARD

Citation Reader: Professor Liu Bin

It is my privilege to announce the recipient of the 2025 University Research Recognition Award—Professor Liu Xiaogang.

A global leader in nanophotonics and bioimaging, Xiaogang has made transformative contributions to the development of advanced X-ray imaging and optical sensing technologies. His work on all-inorganic perovskite nanoscintillators and high-resolution X-ray luminescence extension imaging has redefined deep-tissue visualisation. This remarkable research has enabled breakthroughs in diagnostics, radiotherapy monitoring and multi-spectral imaging.

Complementing his impact in imaging, Xiaogang has also driven major advancements in fundamental light-matter interaction. In 2024 and 2025, he co-led two landmark studies that opened new frontiers in optical physics. These discoveries have paved the way for unprecedented angular and spectral control of light for sensing and photonic circuitry, setting the stage for ultracompact, high-efficiency photonic devices.

Xiaogang's commitment to societal impact is equally notable. He developed a bite-controlled mouthguard and recently introduced the "oPad" — an AI-powered oral interface that enables hands-free typing, gaming and wheelchair control for individuals with limited mobility.

Please join me in congratulating Professor Liu Xiaogang on receiving the University Research Recognition Award.