



The full list of the Bayer China Academic Partnership Award 2024 winners

Peking University

Bayer Endowed Chair



Chunhua Yan

Professor, College of Chemistry and Molecular Engineering

Research interests: inorganic chemistry, rare earth separation chemistry and applications, rare earth functional materials chemistry

Bayer Investigator



Peng Chen

Professor, College of Chemistry and Molecular Engineering

Research interests: developing and applying new chemistry tools to investigate protein-based interactions and activities in living systems. He has been leading the development of bioorthogonal cleavage reactions, which has enabled the gain-of-function study of proteins as well as other biomolecules in living cells and animals



Qiang Cheng

Assistant Professor, Investigator, the College of Future Technology and Beijing Advanced Center of RNA Biology (BEACON)

Research interests: the development of innovative mRNA nanomedicines and the exploration of delivery mechanisms. Utilizing lipid nanoparticles (LNP) as a technological platform, he aims to achieve precise mRNA delivery for disease treatment and prevention, addressing critical clinical needs in mRNA therapeutics



Yuezhou Chen

Assistant Professor, School of Life Sciences, Peking-Tsinghua Center of Life Sciences

Research interests: protective immunity in vaccination and infection, the pathogenesis of autoimmune diseases, and immune modulation by environmental factors



Gang Wang

Assistant Professor, Investigator, School of Life Sciences

Research interests: investigating the mechanisms underlying cancer-induced systemic disorders affecting multiple organs, including cachexia



Hu Zeng

Assistant Professor, Principle Investigator, College of Future Technology

Research interests: establishing sequencing technologies with temporal, spatial, and single-cell resolution, and applying these techniques to explore gene expression and disease pathogenic mechanisms in the spatiotemporal dimension



Shan Zhao

Assistant Professor, College of Future Technology

Research interests: elucidating the molecular and structural details of organism that governing physiological and pathological changes, by developing 3D multi-omics technologies that combining whole organ transparency, advanced imaging system (e.g. light-sheet) and deep-learning analysis for a wide range of biomedical studies, including Cancer and Microbiome, Stroke, Quantitative Medicine, etc.

Bayer Postdoc



Yongtai Bai

Postdoc, School of Life Sciences

Research interests: the functional mechanisms of RNA modifications during tumor development and progression



Wenjun Guo

Postdoc, College of Future Technology

Research interests: the structures and regulation mechanism of gout-related protein, Urate transporter 1 (URAT1)



Qiang Shi

Postdoc, School of Life Sciences

Research interests: leveraging cutting-edge omics technologies and computational biology approaches to decipher cellular heterogeneity and multicellular coordination mechanisms, with the ultimate aim of advancing disease intervention strategies

Tsinghua University

Bayer Endowed Chair



Feng Qian

Professor, School of Pharmaceutical Sciences

Research interests: multiple drug delivery technologies and novel drug design for pancreatic cancer; protein drug design and delivery for retinal diseases.

Bayer Investigator



Xiaohuan Guo

Associate Professor, School of Basic Medical Sciences; Investigator, Institute for Immunology

Research interests: regulation of mucosal immunity and gut microbiota homeostasis, especially gut-enriched group 3 innate lymphoid cell (ILC3).



Hang Yin

Professor, School of Pharmaceutical Sciences

Research interests: development of chemical probes and drug candidates targeting innate immunity.



Qiangfeng Zhang

Associate Professor, School of Life Sciences; Principal Investigator, the Tsinghua-Peking University Joint Center for Life Sciences

Research interests: development of technologies and the investigation of structural biology, genomics, RNA biology, and other related fields using AI and big data analysis

Bayer Microfunding



Zhihua Liu

Associate Professor, School of Basic Medical Sciences

Research interests: crosstalk between host and intestinal microbes and the underlying molecular mechanisms



Kai Ma

PhD, School of Biomedical Engineering

Research interests: development of diagnostic imaging probes and drug delivery systems using novel biomaterials



Xia Wang

Associate Professor, School of Pharmaceutical Sciences

Research interests: adult stem cell research and organoid technology platform