



## *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)



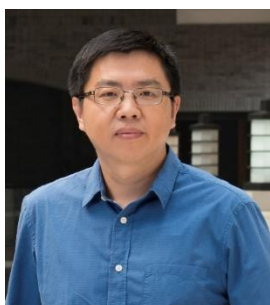
**Qiang Shi**

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

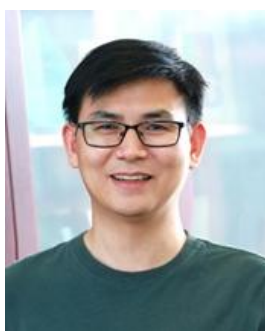
Research interests: regulation of mucosal immunity and gut microbiota homeostasis, especially gut-enriched group 3 innate lymphoid cell (ILC3).



##### **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

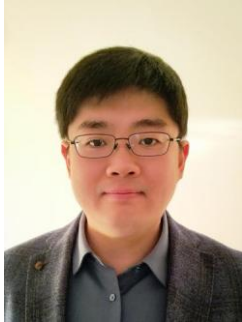
#### Bayer Microfunding



##### **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