Appendix: Full list of the Bayer China Academic Partnership Award 2023 winners

Peking University

Bayer Investigator

Ge Gao

Professor, Biomedical Pioneering Innovation Center

Research interests: developing novel computational technologies to analyze, integrate and visualize high-throughput biological data, and explore its application in precision diagnosis and treatment of major chronic diseases

Zhibo Liu

Professor, College of Chemistry and Molecular Engineering

Research interests: developing radiopharmaceuticals and radiochemical tools for probing and perturbing biological processes in living systems, with a particular focus on cancer

Jing Wang

Associate Professor, School of Pharmaceutical Sciences

Research interests: developing chemical tools to study cell functions at high spatiotemporal resolution and with high throughput, particularly in signal transduction processes in cancer

Kuangshi Chen

Associate Professor, College of Future Technology

Research interests: RNA nanotechnology, single-molecule imaging, and HIV-1 assembly

Jingyang Guan

Assistant Professor, School of Pharmaceutical Sciences

Research interests: the research of stem cells and regenerative medicine, particularly in the direction of cell fate reprogramming

Songhai Tian

Principal Investigator, Assistant Professor, Peking University Boya Young Fellow; School of Pharmaceutical Sciences, State Key Laboratory of Natural and Biomimetic Drugs

Research interests: bacterial toxins, includes identification and characterization cellular receptor of major toxins, discovery the intoxication mechanism of actions of toxins, and toxin bioengineering for medicinal applications

Jing Hu

Principal Investigator, Assistant Professor, School of Life Sciences

Research interests: investigating the molecular mechanisms that regulate tumorigenesis and metastasis

Yang Zhao

Principle Investigator, College of Future Technology

Research interests: the fields of iPS cell techniques, small molecule-induced reprogramming, in vivo direct reprogramming

Bayer Postdoc

Yunlu Kang

Postdoc, College of Future Technology

Research interests: the structural mechanism of important proteins related to human health

Chen Li

Postdoc, College of Future Technology

Research interests: in-depth research on single-cell epigenetic multi-omics, involving cutting-edge technology innovation, unraveling regulatory mechanisms in tissue development, and manipulation of cell fate

June Liu

Postdoc, School of Life Sciences

Research interests: the development of novel single-cell transcriptomic and epigenomic sequencing technologies

Chen Nie

Postdoc, School of Basic Medical Science

Research interests: the role of RNA and RNA processing pathway in genomic stability

Haoling Xie

Postdoc, Academy for Advanced Interdisciplinary Studies

Research interests: the development and application of single-cell genome sequencing technologies based on third-generation sequencing platforms, as well as the application of single-cell multi-omics sequencing and single-cell ATAC-seq technologies in cancer research （colorectal cancer and ovarian cancer）

Tsinghua University

Bayer Endowed Chair

Lei Liu

Professor, Department of Chemistry

Research interests: the study of chemical protein synthesis

Bayer Investigator

Yu Rao

Professor, School of Pharmaceutical Sciences

Research interests: protein-targeted degradation technology, PROTAC

Pilong Li

Associate Professor, School of Life Sciences

Research interests: biomolecular “liquid-liquid phase separation”

Wei Qin

Assistant Professor, School of Pharmaceutical Sciences

Research interests: straddle the interface of chemistry and biology and the chemoproteomic technologies he has developed, including TransitID, not only aid in understanding the fundamental biological processes in living organisms but also hold great potential for discovering drug targets and biomarkers in disease progression

Bayer Microfunding

Gang Liu

Professor, School of Pharmaceutical Sciences

Research interests: synthetic methodologies of small molecule heterocyclic compound libraries, natural products, peptide/glycopeptide mimics and “synergistic therapy” compounds

Zhijie Chang

Professor, School of Medicine

Research interests: the signal transduction related to human diseases

Mo Chen

Assistant Professor, School of Medicine

Research interests: the study of how cancer cells control cancer cell properties through the expression of cancer-specific transcriptional profiles