



SAB

SCHOOL OF
AGRICULTURE AND
BIOLOGY

SHANGHAI JIAO TONG
UNIVERSITY



上海交通大学 农业与生物学院
Shanghai Jiao Tong University School of Agriculture and Biology

Leadership's Message



Shibing HOU
Secretary of the Party Committee



Lianzhong AI
Dean

The School of Agriculture and Biology (SAB), Shanghai Jiao Tong University traces its origins back to the late 1950s. Over the past six decades, it has forged ahead with determination, actively responding to national calls and striving for excellence in agricultural science and technology. It follows the dual development approach of "pursuing academic excellence while addressing practical needs" and "maintaining a core focus with complementary strengths." These principles have propelled transformative advancements across all our endeavors.





The report to the 19th National Congress of the Communist Party of China proposed the implementation of China's Rural Revitalization Strategy, emphasizing that solving problems related to agriculture, rural areas and rural people has been a top priority in the work of the whole Party. China has embarked on a new journey toward agricultural and rural modernization, and achieving agricultural modernization is inseparable from cultivating top-tier agricultural talent. In recent years, the school has continuously refined its disciplinary focus, actively aligning with major national demands, embracing an open mindset, attracting top talents, and aiming at the global academic frontier. By leveraging the interdisciplinary strengths of Shanghai Jiao Tong University (SJTU), it has strengthened the cultivation of outstanding agricultural science innovators, expanded international exchanges and collaborations, and conducted a series of innovative and cross-disciplinary academic studies. The school focuses on research areas such as plant and animal sciences, human nutrition and health, and ecological environment studies, actively serving national development and achieving a range of remarkable accomplishments.

On the bright path of continuous agricultural modernization, SAB will keep forging ahead, striving for excellence, benchmarking against international standards, seizing development opportunities, and working to build a world-class agricultural science institute.

Faculty

Through years of academic practice, SAB has attracted and nurtured a group of outstanding talents, forming a faculty team that is innovative, dynamic, and internationally competitive. The school currently has 311 faculty and staff members, including 195 full-time faculty members. It boasts 9 nationally recognized high-level talents, 16 national young talents, 7 scientists in the National Modern Agricultural Industry Technology System, and 20 recipients of the Shanghai Magnolia Talent Plan. Additionally, more than 40 faculty members have received high-level provincial and ministerial talent titles. In recent years, SAB has recruited 2 chair professors, 12 distinguished professors, 14 tenure-track professors and researchers, and 39 tenure-track associate professors and assistant professors.

Chair Professor	2
Distinguished Professor	12
Tenure Professor	14
Tenure(-track) Associate Professor	42
National Major Talent Program Scholar	11
National Major Talent Program Young Scholar	16
Provincial and Ministerial - level High - level Talent Programs Scholar	72



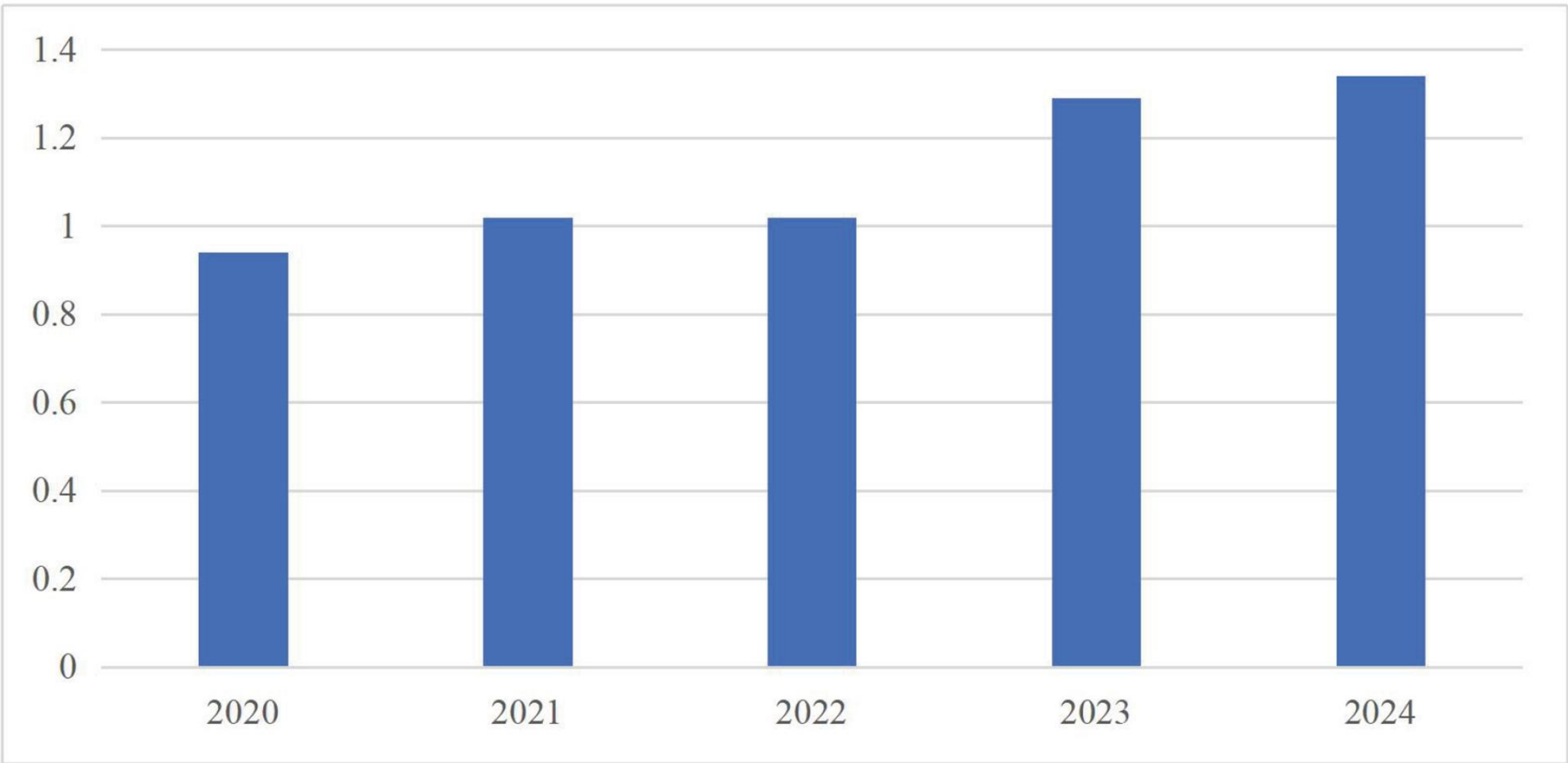
Scientific Research

Adhering to the development strategy of "pursuing academic excellence while addressing practical needs" and "maintaining a core focus with complementary strengths", SAB implements a science and technology innovation strategy that emphasizes "fundamental research, innovative technology, and enhanced applications," continuously improving its research and innovation capabilities. The number of national-level major research projects, research funding, and high-quality publications has grown rapidly. The disciplines of Agricultural Science, Plant and Animal Science, and Environmental and Ecological Sciences have ranked in the top 1% globally in the ESI rankings.

Key Scientific Research Project in the Past Five Years

Key Scientific Research Project	Total
Intergovernmental international science and technology cooperation project under the Ministry of Science and Technology	5
Young Scientists Project under the 14th Five-Year Plan Key R&D Program	1
Major/key project under the National Natural Science Foundation	6
National Excellent Young Scientists Fund project	1
Project funded by the Gates Foundation	1
Project under the Shanghai Jiao Tong University "2030 Plan"	3
Project funded by the National Natural Science Foundation of China	135

Research Funding Received in the Past Five Years:



Scientific research achievements in the past five years:

Year	SCI Papers	EI Papers	Invention Patents	Utility Model Patents	Foreign Patents	Software Copyrights
2020	279	8	69	2	1	12
2021	268	11	69	8		10
2022	277	7	79	12	7	9
2023	218	4	73	1	6	1
2024	215	8	49	3	2	1

Major Scientific Awards in the Past Five Years

Research Awards	Total
First Prize for Scientific and Technological Progress from the Ministry of Education (MOE)	1
First Prize for Scientific and Technological Progress from Shanghai Municipality	1
Second Prize for Scientific and Technological Progress from Shanghai Municipality	1
First Prizes for Scientific and Technological Progress from the China National Light Industry Council	2
First Prize for Scientific and Technological Progress from the Chinese Institute of Food Science and Technology	1



National Key Research Bases

- Shanghai Yangtze River Delta Eco-Environmental Change and Management Observation and Research Station, Ministry of Science and Technology, P.R.C.

Provincial and Ministerial-Level Key Research Base

- Shanghai Collaborative Innovation Center of Agri-Seeds
- Key Laboratory of Urban Agriculture, Ministry of Agriculture and Rural Affairs
- Shanghai Key Laboratory of Veterinary Biotechnology
- Shanghai Food Safety and Engineering Technology Research Center
- National Positioning and Observation Research Station for Shanghai Urban Forest Ecosystem,
- National Forestry and Grassland Administration





Department of Plant Science

Focusing on fundamental and applied research of modern urban horticulture, the research covers four directions: pomology, olericulture, medicinal and ornamental plants, and protected horticulture. The work explores molecular mechanisms of horticultural crop development and quality formation, regulates nutrient metabolism, develops new cultivars, and establishes efficient ecological cultivation techniques.

Principal Investigator Introduction

PI	Faculty Positions	Research Directions	Contact
Jiang Lu	Chair Professor	Functional Genomics and Molecular Breeding of Grapevine	jiang.lu@sjtu.edu.cn
Hongwei Xue	Chair Professor	Plant Hormone Action and Seed Development	hwxue@sjtu.edu.cn
Huoying Chen	Distinguished Professor	Molecular Breeding of Solanaceous Vegetables	chhy@sjtu.edu.cn
Yuda Fang	Distinguished Professor	Nuclear and Chromatin Structure and Function	yuda.fang@sjtu.edu.cn
Shiping Wang	Distinguished Professor	Grapevine Cultivation Physiology and Stress Resistance Mechanisms	fruit@sjtu.edu.cn
Yuan An	Tenured Professor	Stress Resistance Mechanisms and Breeding of Alfalfa	anyuan@sjtu.edu.cn
Zhaolong Wang	Tenured Professor	Ornamental Horticultural Plant Breeding and Greening	turf@sjtu.edu.cn
Lingxia Zhao	Tenured Professor	Fundamentals of Tomato Quality Formation and Breeding	lxzhao@sjtu.edu.cn
Kaijing Zuo	Tenured Professor	Plant Development and Quality Biology	kjzuo@sjtu.edu.cn
Yueping Cao	Professor	Herbicide-Resistant Transgenic Soybean Breeding	yuepingcao@sjtu.edu.cn
Caixi Zhang	Professor	Cultivation and Genetic Breeding of Stone Fruits	acaizh@sjtu.edu.cn
Yuming Lu	Professor	Gene Editing and Germplasm Innovation	luymin@sjtu.edu.cn
Dongping Lyu	Professor	Plant Innate Immunity	dplu@sjtu.edu.cn

PI	Faculty Positions	Research Directions	Contact
Ruohuo Yin	Research Professor	Functional Genomics and Molecular Breeding of Grapevine	ruohe.yin@sjtu.edu.cn
Chao Ma	Research Professor	Molecular Mechanisms of Fruit Tree Stress Resistance and Stress-Resistant Genetic Breeding	chaoma2015@sjtu.edu.cn
Qingliang Niu	Research Professor	Protected Horticultural Crop Production and Intelligent Management	qlniu@sjtu.edu.cn
Hongli Lian	Research Professor	Strawberry Development and Quality Regulation	hllian@sjtu.edu.cn
Junsong Pan	Research Professor	Molecular Breeding of Cucumber	Jspan71@sjtu.edu.cn
Wenping Xu	Research Professor	Fruit Quality and Soil Microecology	wp-xu@sjtu.edu.cn
Zixing Li	Associate Professor	Plant Stress Biology	zixing-li@sjtu.edu.cn
Cheng Chen	Tenure-Track Associate Professor	Organelle Biology	cgchen@sjtu.edu.cn
Jiangbo Fan	Tenure-Track Associate Professor	Plant Innate Immune System	fan.jb@sjtu.edu.cn
Hongbo Gao	Tenure-Track Associate Professor	Plant Reproductive Epigenetics	hongbo.gao@sjtu.edu.cn
Xu Wang	Tenure-Track Associate Professor	Plant Mitochondrial Stress Mechanisms	xu.wang@sjtu.edu.cn
Guozhang Wu	Tenure-Track Associate Professor	Organelle Function and Stress Response	gzwu@sjtu.edu.cn
Yingnan Hou	Tenure-Track Associate Professor	Plant-Microbe Interactions	yingnanh@sjtu.edu.cn
Lu Liu	Tenure-Track Associate Professor	Plant Cell and Development	lu.liu@sjtu.edu.cn
Zhenhua Liu	Tenure-Track Associate Professor	Plant Small Molecule Synthesis and Diversity	zhenhua.liu@sjtu.edu.cn
Qian Shen	Tenure-Track Associate Professor	Plant Synthetic Biology and Metabolic Engineering Regulation	qshen18@sjtu.edu.cn
Yan Bao	Tenure-Track Associate Professor	Balancing Plant Stress Resistance and Growth	yanbao@sjtu.edu.cn
Youshun Lin	Tenure-Track Associate Professor	Mechanisms of Plant Organelle Biogenesis and Intracellular Protein Trafficking	linyoushun@sjtu.edu.cn
Xiaoyu Tu	Tenure-Track Associate Professor	Plant Functional Genomics and Single-Cell Research	xiaoyutu@sjtu.edu.cn
Liwen Fu	Tenure-Track Associate Professor	Growth-Stress Resistance Balance in Solanaceous Plants	fuliwen@sjtu.edu.cn
Gang Yu	Tenure-Track Associate Professor	Molecular Plant-Pathogenic Bacteria Interactions	gangyu@sjtu.edu.cn
Huan Zhang	Tenure-Track Associate Professor	Nano-Botany	zhang_huan@sjtu.edu.cn
Qifei Gao	Tenure-Track Associate Professor	Plant Calcium Signaling	qfgao@sjtu.edu.cn
Huan Chen	Tenure-Track Associate Professor	Plant-Pathogen Interactions	huan.chen@sjtu.edu.cn
Chuande Wang	Tenure-Track Associate Professor	Regulation of Organellar Gene Expression in Plants	chuandewang@sjtu.edu.cn
Li Qu	Tenure-Track Associate Professor	Protein Phosphorylation in Plant Growth and Development	qu12019@sjtu.edu.cn
Jie Li	Tenure-Track Associate Professor	Regulation of Plant Secondary Metabolism and Nutritional Quality Improvement	jie.li@sjtu.edu.cn



Department of Animal Science

Closely aligned with national strategic needs in healthy livestock farming and animal disease prevention/control, our research focuses on animal pathogens, zoonosis prevention, and animal health ecology, encompassing disciplines such as basic veterinary medicine, preventive veterinary medicine, and model animals/comparative medicine.

Principal Investigator Introduction

PI	Faculty Positions	Research Directions	Contact
Chan Ding	Distinguished Professor	Fundamental Research in Animal Virology	shoveldeen@sjtu.edu.cn
He Meng	Tenured Professor	Animal Symbiomics and Molecular Breeding	menghe@sjtu.edu.cn
Jianhe Sun	Tenured Professor	Pathogenic Mechanisms of Animal Microorganisms	sunjhe@sjtu.edu.cn
Jianxiong Xu	Tenured Professor	Animal Oxidative Stress Mechanisms	jxxu1962@sjtu.edu.cn
Yaxian Yan	Tenured Professor	Interaction Mechanisms Between Animal Pathogenic Bacteria and Phages	yanyaxian@sjtu.edu.cn
Xinhong Li	Professor	Animal Reproduction and Breeding	lixinhong7172@sjtu.edu.cn
Yongyi Shen	Professor	Fundamental Research in Animal Virology	shenyy1981@sjtu.edu.cn
Congli Yuan	Research Professor	Preventive Veterinary Medicine	ycl@sjtu.edu.cn
Li Cui	Research Professor	Zoonoses and Comparative Medicine	lcui@sjtu.edu.cn
Zhe Wang	Tenure-Track Associate Professor	Systems Biology of Pathogenic Microorganisms	wangz@sjtu.edu.cn
Wencan Zhang	Tenure-Track Associate Professor	Interaction Mechanisms Between Animal Pathogenic Microorganisms and Adaptive Immune Systems	wenczhang@sjtu.edu.cn
Geng Tian	Tenure-Track Associate Professor	Animal Developmental Genetics and Epigenetics	gengtian@sjtu.edu.cn



Department of Resources and Environment

Centering on national and regional demands for rural revitalization and ecological civilization construction, we have established research directions including microbial ecology, ecosystem ecology, and restoration ecology, supported by key platforms such as the National Field Scientific Observation and Research Station recognized by the Ministry of Science and Technology of the People's Republic of China (MOST). Ecology has been rated as a Category A discipline.

Principal Investigator Introduction

PI	Faculty Positions	Research Directions	Contact
Jie Chen	Distinguished Professor	Plant Fungal Diseases and Biological Control	jiechen59@sjtu.edu.cn
Pei Zhou	Distinguished Professor	Agricultural Pollution Ecology and Restoration Engineering	zhoupei@sjtu.edu.cn
Huayun Xiao	Distinguished Professor	Ecology and Environment	xiaohuayun@sjtu.edu.cn
Gongyou Chen	Tenured Professor	Occurrence and Prevention of Plant Bacterial Diseases	gyouchen@sjtu.edu.cn
Ronghou Liu	Tenured Professor	Biomass Energy Engineering	liurhou@sjtu.edu.cn
Guoqing Shen	Tenured Research Professor	Soil Pollution Detection and Prevention	gqsh@sjtu.edu.cn
Xueming Tang	Tenured Research Professor	Biosafety and Green Prevention/Control	xueming.tang@sjtu.edu.cn
Linkui Cao	Professor	Carbon-Nitrogen Cycling in Paddy Ecosystems	clk@sjtu.edu.cn
Shan Yin	Professor	Urban Ecology and Long-Term Positioning Observation	yinshan@sjtu.edu.cn
Yinsheng Li	Professor	Earthworm Ecology and Applications	yinshengli@sjtu.edu.cn
Nan Hui	Research Professor	Stress Ecology Microorganisms	nan.hui@sjtu.edu.cn
Bo Zhu	Tenured Associate Professor	Epigenetics of Plant-Bacteria Interactions	bzhu1981@sjtu.edu.cn
Le Zhang	Tenure-Track Associate Professor	Resource/Energy Utilization of Agricultural/Forestry Waste (Biotransformation)	zhle@sjtu.edu.cn
Qincheng Chen	Tenure-Track Associate Professor	Biochar and Ecological Remediation of Organically Polluted Farmland	chenqincheng@sjtu.edu.cn
Zhengyin Xu	Tenure-Track Associate Professor	Plant-Microbe-Environment Interactions	xuzy2015@sjtu.edu.cn
Yunjing Wang	Tenure-Track Associate Professor	Plant-Virus-Insect Interaction Mechanisms	wangyunjing@sjtu.edu.cn



Department of Food Science and Technology

Addressing the international frontiers of human nutrition and health as well as food science and technology, we primarily focus on acquiring professional knowledge in food safety, food nutrition, food science, and food processing. We are committed to tackling challenges in the food industry and meeting public livelihood needs, thus promoting national health and well-being.

Principal Investigator Introduction

PI	Faculty Positions	Research Directions	Contact
Yapeng Fang	Distinguished Professor	Food Colloid Science	ypfang@sjtu.edu.cn
Xinlin Wei	Distinguished Professor	Tea Quality and Safety Control	weixinlin@sjtu.edu.cn
Zuobing Xiao	Distinguished Professor	Aromatic Materials and Flavor Science	xiaozuobing@sjtu.edu.cn
Lianzhong Ai	Distinguished Professor	Food Biotechnology	ailianzhong@sjtu.edu.cn
Xianming Shi	Tenured Professor	Microorganisms and Food Safety	xmshi@sjtu.edu.cn
Shimin Wu	Tenured Professor	Food Lipid Science	wushimin@sjtu.edu.cn
Pu Jing	Professor	Food Processing and Molecular Nutrition	pjing@sjtu.edu.cn
Zhongquan Sui	Professor	Grain Quality and Safety Regulation	zsui@sjtu.edu.cn
Jin Yue	Professor	Food Quality Control and Degradable Packaging Materials	jinyue@sjtu.edu.cn
Lihua Song	Professor	Food Nutrition and Novel Processing Technologies	lihuas@sjtu.edu.cn
Yuan Liu	Professor	Food Flavor and Meat Processing	
Yun Deng	Research Professor	Food Processing and Packaging	y_deng@sjtu.edu.cn
Chunlei Shi	Research Professor	Pathogenic and Drug-Resistance Mechanisms of Foodborne Pathogens	clshi@sjtu.edu.cn
Xiangjun Sun	Research Professor	Food Chemistry and Functional Components	xjsun@sjtu.edu.cn
Dapeng Wang	Research Professor	Foodborne Virus Contamination and Control	dapengwang@sjtu.edu.cn
Shaohui Zhang	Research Professor	Food Components and Functional Foods	shaohuizhang@sjtu.edu.cn
Yan Wu	Research Professor	Research and Development of Functional Food Components	wuy@sjtu.edu.cn
Yuge Niu	Research Professor	Functional Food Components and Quality Control	yugeniu@sjtu.edu.cn
Jinhong Wu	Research Professor	Functional Foods and Modern Food Processing	wujinhong@sjtu.edu.cn
Ziyun Wu	Tenure-Track Associate Professor	Food Nutrition and Biological Aging	wuziyun@sjtu.edu.cn
Xiaoqiang Ma	Tenure-Track Associate Professor	Food Enzymes, Microbes, and Community Engineering	xq_ma@sjtu.edu.cn
Wenli Wang	Tenure-Track Associate Professor	Food Nutrition Perception and Human Health	wenli-wang@sjtu.edu.cn
Yiping Cao	Tenure-Track Associate Professor	Food Protein Science	caoyiping@sjtu.edu.cn
Lingjun Zheng	Tenure-Track Associate Professor	Dietary Nutrition for Chronic Disease Prevention/ Intervention	lingjunzheng@sjtu.edu.cn
Shengli Zhang	Tenure-Track Associate Professor	Food Nutrition and Safety Detection	zhangshengli@sjtu.edu.cn

International Admission

Undergraduate Admission

• Majors

Plant Science and Technology
Animal Science
Food Science and Engineering
Agriculture Resources and Environment
Intelligent Agriculture

• Duration

4 years

• Tuition

RMB 24,800/year (approx. USD 3,500/year)

• Application website

<http://apply.sjtu.edu.cn/>

• Scholarship

Excellent applicants have chance to win different kinds of scholarship, such as Chinese Government Scholarship, Shanghai Government Scholarship, SJTU Scholarship, and others. Students applying for other scholarships can click the option “Apply for scholarship” when completing SJTU’s online application form.



Graduate Admission

Thesis-track Full-time Doctoral Degree Programs

• Majors

Ecology (071300)
Ecology (Animal Science and Engineering) (0713J5)
Horticulture (090200)
Food Science and Engineering (083200)

• Duration

4 years (1-2 years extension)

• Curriculum and Credits

Completion total 18 credits courses are required

• Thesis and Academic Papers

PhD students shall submit and defend a scientific research thesis independently upon the completion of their research training procedures. Academic publications shall comply with the requirements set forth by both the school and university.

• Tuition

RMB 45,500/year (approx. USD 6,600/year)

• Application Website

<http://isc.sjtu.edu.cn/>

• Important Dates

October 1 Application opens
December 15 Deadline for 1st round scholarships application
February 15 Deadline for 2nd round scholarships application
March 31 Deadline for last round scholarships application
May 31 Deadline for self-supported application
September Enrollment

• Scholarships

Program	Type	Duration (Year)	Coverage (RMB)				
			Monthly stipend (Yuan/Month)		Tuition Waiver	Health Insurance (Yuan/Year)	Accommodation Allowance (Yuan/Month)
			Before passing qualification exams	After passing qualification exams			
Doctoral Program	SJTU Fellowship	4	5,000		✓	800	1,500
	CSC/SGS Scholarship	4	3,500	4,500	✓	800	1,500
	SJTU Scholarship	4	2,500	3,500	✓	800	1,500

For further information, call Ms. Bai, + 86 34205933

International

SAB has long adhered to the philosophy of internationalized education, actively implementing SJTU's internationalization strategy and overall development plans. It continues to strengthen deep collaborations with world-class agricultural science institutions, steadily enhancing its global influence and competitiveness.

The school has deepened educational collaborations with prestigious universities worldwide, expanding pathways for cultivating international talent. It has established strong partnerships with world-class institutions such as Cornell University (USA), the Hebrew University of Jerusalem (Israel), the University of Adelaide (Australia), the University of Melbourne (Australia), and the University of Glasgow (UK).

It is solidifying international scientific research collaborations to create a high-caliber academic and research hub. Targeting the global academic frontier, SAB has built international cooperation platforms and actively promoted research collaborations with top global universities and research institutions.

In 2022, the "International School of Agriculture and Ecology," jointly established by SJTU and the Hebrew University of Jerusalem, was approved by MOE. Its initial programs include master's degrees in Agronomy and Seed Industry, Veterinary Medicine, and Resource Utilization and Plant Protection. The establishment and development of the "International School of Agriculture and Ecology" empower SJTU's "Double First-Class" initiative and contribute to the construction of Chongming World-Class Ecological Island.

·Graduate Joint Training Programs

- √ Dual Master's Program between SAB and the Robert H. Smith Faculty of Agriculture, Food, and Environment, Hebrew University of Jerusalem.
- √ Joint PhD Program between SAB and the Robert H. Smith Faculty of Agriculture, Food, and Environment, Hebrew University of Jerusalem.
- √ 1.5+1 Dual Master's Degree Program in Agriculture between SAB and the School of Agriculture, Food, and Wine, University of Adelaide.

·Exchange Programs:

Student exchange program between SAB and the College of Agriculture and Natural Resources, Chung Hsing University (Taiwan, China).

·Global Summer School Programs:

Each year, the school selects a theme to organize a global summer school program. Course topics include "Frontiers in Plant Science," "Green Agriculture," "Food Safety," and "Global Health," showcasing SJTU's research achievements in agriculture while introducing and promoting Chinese culture. Activities include discussion sessions, field trips, on-site measurements, industry practices, cultural experiences, and participation in trending research topics.



Global Summer School Student Group Photo

·"Study in Shanghai" Belt and Road Initiative Advanced Training Program:

SAB has hosted the Shanghai Municipal Education Commission's Belt and Road Initiative Advanced Training Program for many years, organizing high-end training sessions for agricultural researchers, government officials, and agricultural enterprise managers from BRI countries. Each session lasts two weeks and covers topics such as modern agricultural sustainability, precision agriculture, and food safety. To date, nearly a hundred participants from dozens of BRI countries have taken part in the training.



Group Photo of the Belt and Road Initiative Advanced Training Program

International Joint Research Center

Disciplinary Innovation and Intelligence Introduction Base for Plant Cell Development and Future Seed Industry

In response to the major national strategic needs of the seed industry and food security, the Disciplinary Innovation and Intelligence Introduction Base for Plant Cell Development and Future Seed Industry was approved for establishment by MOST and MOE in 2023. The base focuses on the core areas of seed industry innovation, conducting key research on major frontier issues in plant cell development. Gathering nearly 50 renowned domestic and international academic experts and outstanding young scholars, the base aims to become a high-level talent hub. Through in-depth research into fundamental frontier issues of plant cell and developmental biology, the base is committed to overcoming critical scientific bottlenecks, providing strong support for tackling problems in core technological research that hinder China's food security, and promoting seed industry innovation and development.

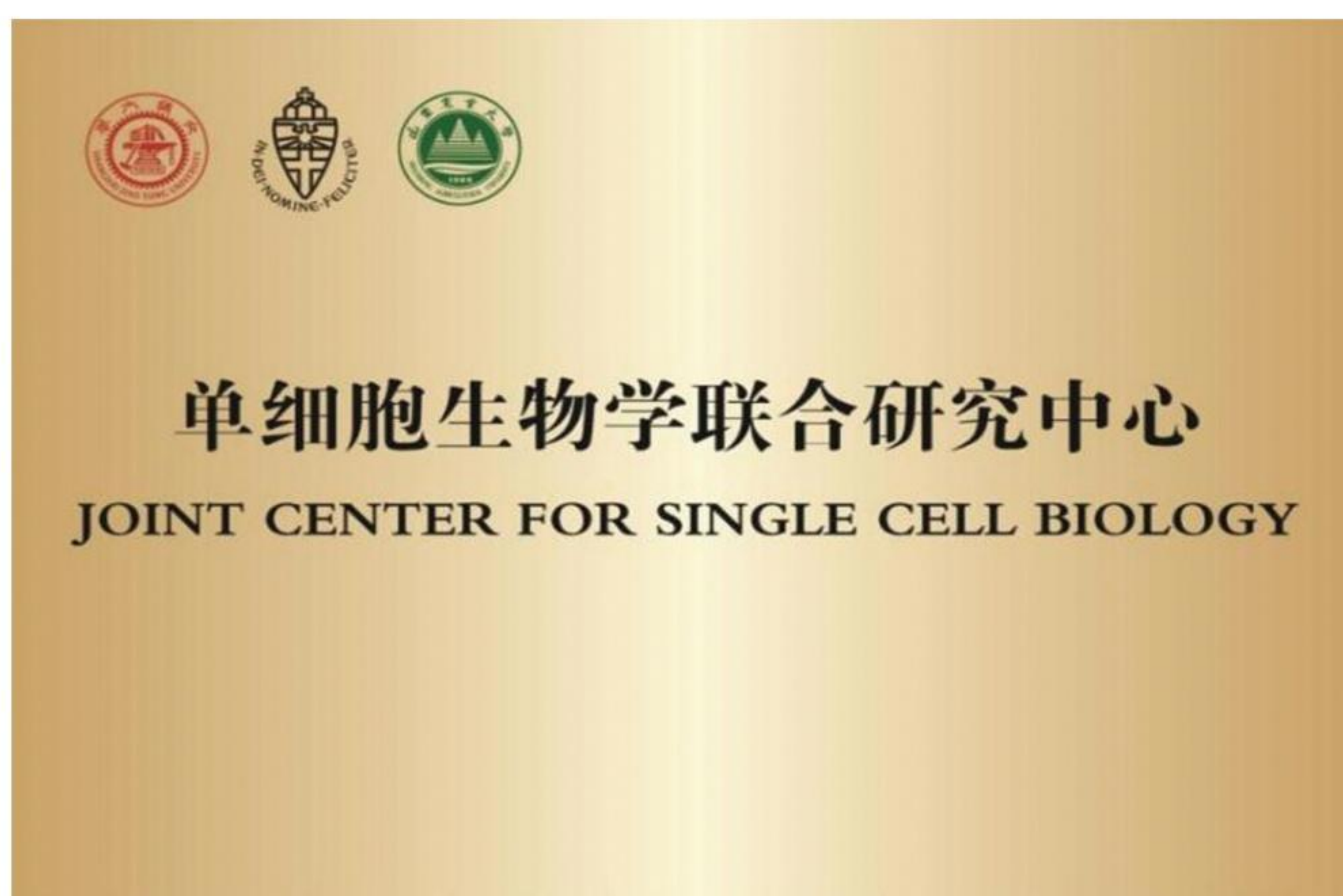
SJTU-Bor S. Luh Food Safety Research Center

SJTU-Bor S. Luh Food Safety Research Center was established on April 25, 2005. It was funded by Dr. Boxun Lu, an alumnus of SJTU's Class of 1938 and a renowned professor in the Department of Food Science and Engineering at the University of California, Davis, with matching support from SJTU. The center operates under SAB, focusing on food safety and health education training, public science communication, third-party food safety and nutrition testing, as well as government-industry-academia-research collaboration and exchange.



Joint Center for Single Cell Biology

The Joint Center for Single Cell Biology (JCSCB) was established in October 2019 through a collaboration between SJTU, Radboud University (Netherlands), and Shandong Agricultural University. Single-cell biology is a cutting-edge discipline that employs high-throughput, high-precision single-cell research techniques to analyze genetic and epigenetic features, as well as biochemical and metabolic characteristics, at the level of individual cells or specific cell types in plants and animals. Single-cell analysis technologies have significantly impacted the understanding of key regulatory processes in plant and animal development, as well as the mechanisms underlying major human diseases. They hold immense potential for both fundamental and applied research innovations.



Partner Group of Max Planck Society on Organelle Function and Stress Response

Partner Group of Max Planck Society on Organelle Function and Stress Response was jointly established by SJTU and the Max Planck Society. The Partner Group is co-led by Associate Professor Wu Guozhang of SJTU and Professor Ralph Bock, Director of the Max Planck Institute of Molecular Plant Physiology and a member of the German National Academy of Sciences. Following a principle of close collaboration and complementary strengths, the Partner Group integrates the advantages of SJTU and the Max Planck Institute of Molecular Plant Physiology to conduct cooperative research in organelle biology, stress biology, and biotechnology. The partnership actively contributes to Sino-Germany academic exchanges and talent development.





MOMENTS OF SAB





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