

## 2024 Host Mentors

Program	Host PI	Affiliation	Personal web page	Email	Project
BIO	Hsuan-Yu Chen	Academia Sinica	<a href="https://staff.stat.sinica.edu.tw/hychen/">https://staff.stat.sinica.edu.tw/hychen/</a>	hychen@stat.sinica.edu.tw	Data driven precision medicine
	Sen-Lin Tang	Academia Sinica	<a href="https://sltang.biodiv.tw/">https://sltang.biodiv.tw/</a>	sltang@gate.sinica.edu.tw	We offer analysis of marine microbial community and microbial manipulation
	Pao-Yang Chen	Academia Sinica	<a href="https://paoyang.ipmb.sinica.edu.tw/">https://paoyang.ipmb.sinica.edu.tw/</a>	paoyang@gate.sinica.edu.tw	Deciphering Epigenome Bioinformatics
	Hsin-Chou Yang	Academia Sinica	(1) <a href="https://www.stat.sinica.edu.tw/chart/index.php?act=researcher_manager&amp;code=view&amp;member=28">https://www.stat.sinica.edu.tw/chart/index.php?act=researcher_manager&amp;code=view&amp;member=28</a> (2) <a href="https://sites.stat.sinica.edu.tw/SH/">https://sites.stat.sinica.edu.tw/SH/</a>	hsinchou@stat.sinica.edu.tw	Big data analytics in precision medicine and smart health by using artificial intelligence, machine learning, and statistical learning approach
BIODIV	Yi-Jyun Luo	Academia Sinica	<a href="https://sgel.biodiv.tw/">https://sgel.biodiv.tw/</a>	yjluo@gate.sinica.edu.tw	Exploring the evolution of animal-algal symbiosis using single-cell sequencing
	Chuan Ku	Academia Sinica	<a href="https://chuanku-lab.github.io/kulab/">https://chuanku-lab.github.io/kulab/</a>	chuanku@gate.sinica.edu.tw	Evolution and regulation of ecologically important microbes (algae, other protists and giant viruses)
	John Wang	Academia Sinica	<a href="https://www.biodiv.tw/pi-John_Wang">https://www.biodiv.tw/pi-John_Wang</a>	johnwang@gate.sinica.edu.tw	nematode sex ratio or selfish gene; fire ant genetics
	Jen-Pan Huang	Academia Sinica	<a href="https://sites.google.com/view/jenpanhuang">https://sites.google.com/view/jenpanhuang</a>	jphuang@sinica.edu.tw	Speciation or conservation genomics. Using beetles, butterflies, or orchids as study systems.
	Tzu-Hao Lin	Academia Sinica	<a href="https://meil.biodiv.tw/">https://meil.biodiv.tw/</a>	lintzuhao@gate.sinica.edu.tw	Acoustic sensing of marine biodiversity and ecosystem functioning
	Chien-Hsiang Lin	Academia Sinica	<a href="https://sites.google.com/view/chienhsianglin/home">https://sites.google.com/view/chienhsianglin/home</a>	kuroasaki@gate.sinica.edu.tw	Fish taxonomy, diversity, and systematics. Marine fossils from the West Pacific.
	Benny Chan	Academia Sinica	<a href="https://www.biodiv.tw/pi-Benny_Kwok_Kan_Chan">https://www.biodiv.tw/pi-Benny_Kwok_Kan_Chan</a>	chankk@gate.sinica.edu.tw	ecophysiology related
	Mao-Ning Tuanmu	Academia Sinica	<a href="https://www.biodiv.tw/pi-Mao-Ning_Tuanmu">https://www.biodiv.tw/pi-Mao-Ning_Tuanmu</a>	mntuanmu@gate.sinica.edu.tw	Understanding the impacts of global changes on ecosystems through the sounds of the environment

Program	Host PI	Affiliation	Personal web page	Email	Project
BIODIV	Ryuji Machida	Academia Sinica	<a href="https://www.biodiv.tw/pi-Ryuji_Machida">https://www.biodiv.tw/pi-Ryuji_Machida</a>	ryujimachida@gate.sinica.edu.tw	Zooplankton molecular ecology
CBMB	Todd Lowary	Academia Sinica	<a href="http://lowarylabs.ca">lowarylabs.ca</a>	tlowary@gate.sinica.edu.tw	The project will involve the chemical synthesis of biologically-relevant carbohydrates.
	Chia-Lung Hsieh	Academia Sinica	<a href="https://hsiehlab.iams.sinica.edu.tw/">https://hsiehlab.iams.sinica.edu.tw/</a>	clh@gate.sinica.edu.tw	Chromatin organization and dynamics in living cells resolved by advanced optical microscope techniques.
	Jui-Hsia Weng	Academia Sinica	<a href="https://www.ibc.sinica.edu.tw/Faculty/ViewPI?Lang=En&amp;DatetimeStr=20220119202438">https://www.ibc.sinica.edu.tw/Faculty/ViewPI?Lang=En&amp;DatetimeStr=20220119202438</a>	juihsiaoweng@gate.sinica.edu.tw	Effects of small molecules in regulating innate immune responses
	Takashi Angata	Academia Sinica	<a href="https://sites.google.com/view/angatalab/">https://sites.google.com/view/angatalab/</a>	angata@gate.sinica.edu.tw	Glycan-protein interaction in the regulation of mammalian physiology
	Yu-Ling Shih	Academia Sinica	<a href="https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=2022011920154">https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=2022011920154</a>	ylshih10@gate.sinica.edu.tw	General directions are (1) Synthesis and remodeling of bacterial cell walls, (2) Effects of bacterial surface glycosylation on cell division
	Chun-Hung (Hans) Lin	Academia Sinica	<a href="https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=20210916145406">https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=20210916145406</a>	chunhung@gate.sinica.edu.tw	Our research is multi-disciplinary, chemistry- and biochemistry-related, placing an emphasis on the development of enzyme inhibitors and identification of diseases targets.
	Yane-Shih Wang	Academia Sinica	<a href="https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=20210912110349">https://www.ibc.sinica.edu.tw/Faculty/ViewPI?DatetimeStr=20210912110349</a>	yaneishihwang@gate.sinica.edu.tw	(1) Design of a toolkit for incorporating D-amino acids (D-ncAAs) & discovery of the novel PyLRS catalytic mechanism. (2) The exploring enzymes mechanisms & designing novel enzymes via genetic code expansion.
	Charles Pin-Kuang Lai	Academia Sinica	<a href="https://lailab.iams.sinica.edu.tw">https://lailab.iams.sinica.edu.tw</a>	laicharles@sinica.edu.tw	Molecular bioimaging and characterization of bionanoparticles (extracellular vesicles; exosomes, etc).
	Hsiao-Ching Lin	Academia Sinica	<a href="https://sites.google.com/site/hsiaochinglab/">https://sites.google.com/site/hsiaochinglab/</a>	hsiaoching@gate.sinica.edu.tw	Natural Product Biosynthesis
ESS	Yuning Nin Lin	Academia Sinica	<a href="https://www.earth.sinica.edu.tw/en/member/detail/44">https://www.earth.sinica.edu.tw/en/member/detail/44</a>	ninalin@earth.sinica.edu.tw	Crop classification using NISAR polarimetry

Program	Host PI	Affiliation	Personal web page	Email	Project
ESS	CHIA YING CHUANG	Academia Sinica	<a href="https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=24">https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=24</a>	anderinchuang@gate.sinica.edu.tw	Exploring Environmental Micro/Nano-plastics Research: Exploring the detection and characterization of environmental micro/nano-plastics using pyrolysis GCMS techniques. This project aims to enhance our understanding of micro/nano-plastic pollutants through advanced analytical methods.
	Wu-Cheng Chi	Academia Sinica	<a href="https://980198.wixsite.com/sinica-wu-cheng-chi">https://980198.wixsite.com/sinica-wu-cheng-chi</a>	wchi@sinica.edu.tw	Use seismic waveforms to study geohazards
	Wen-Pin Hsieh	Academia Sinica	<a href="https://sites.google.com/site/whsieh2/">https://sites.google.com/site/whsieh2/</a>	wphsieh@earth.sinica.edu.tw	Physical properties of materials in Earth and planetary interiors with implications to their geodynamics and thermochemical evolution
	Kwan-Nang Pang	Academia Sinica	<a href="https://www.earth.sinica.edu.tw/en/member/detail/42">https://www.earth.sinica.edu.tw/en/member/detail/42</a>	knpang@earth.sinica.edu.tw	Rapid analysis of major and minor elements in geological samples by micro-XRF spectrometry
	Mao-Chang Liang	Academia Sinica	<a href="https://www.earth.sinica.edu.tw/en/member/detail/37">https://www.earth.sinica.edu.tw/en/member/detail/37</a>	mcl@gate.sinica.edu.tw	Utilizing multi-isotope technique for probing changing carbon and water cycles in response to changing climate (such as El Nino/La Nina and Pacific Decadal Oscillation)
	Tung-Yuan Ho	Academia Sinica	<a href="https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=9">https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=9</a>	tyho@gate.sinica.edu.tw	Marine Trace Metal biogeochemistry
	Yi-Ying Chen	Academia Sinica	<a href="https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=64">https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=64</a>	Academia Sinica	Mapping regional land-use and land-cover changes through the integration of satellite remote sensing data
	Ya-Ju HSU	Academia Sinica	<a href="https://www.earth.sinica.edu.tw/en/member/detail/61">https://www.earth.sinica.edu.tw/en/member/detail/61</a>	yaru@earth.sinica.edu.tw	earthquake cycle deformation, GNSS characterization of hydrological loading cycle and water resources
	YI-CHUN CHEN	Academia Sinica	<a href="https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=25">https://rcec.sinica.edu.tw/index_en.php?action=member&amp;id=25</a>	yichunchen@gate.sinica.edu.tw	Apply satellite observations to study air quality issue.
	Kuo-Fang Huang	Academia Sinica	<a href="https://www.earth.sinica.edu.tw/en/member/detail/41">https://www.earth.sinica.edu.tw/en/member/detail/41</a>	kfhuang@earth.sinica.edu.tw	1. Reconstruction of past changes in ocean environment using multi-isotope proxies of marine carbonates 2. Tracing sources and pathways of heavy metal pollutions using metal isotope geochemistry

Program	Host PI	Affiliation	Personal web page	Email	Project
ESS	Kuo-Fong Ma	Academia Sinica	<a href="https://tec.earth.sinica.edu.tw/staff/Ma_K_F.html">https://tec.earth.sinica.edu.tw/staff/Ma_K_F.html</a>	fong@earth.sinica.edu.tw	1. MiDAS, the optical-fiber DAS and DTS monitoring; <a href="https://e-dream.tw/midas_project/">https://e-dream.tw/midas_project/</a> 2. QSiS, Quake Structure Integration Sensor for smart sensors development for building array from shaking. <a href="https://www.risksciences.ucla.edu/nhr3/belmont-workshop-2023">https://www.risksciences.ucla.edu/nhr3/belmont-workshop-2023</a>
	Hsin-Hua Huang	Academia Sinica	<a href="https://sites.google.com/view/hsinhuahuang/home">https://sites.google.com/view/hsinhuahuang/home</a>	hhuang@earth.sinica.edu.tw	Monitoring crustal seismic velocity variations in response to environmental forcing
INS	Guey-Shin Wang	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/guey-shin-wang/en/">https://www.ibms.sinica.edu.tw/guey-shin-wang/en/</a>	gswang@ibms.sinica.edu.tw	Investigating the neurodevelopmental defects in myotonic dystrophy
	Chi-Hon Lee	Academia Sinica	<a href="https://icob.sinica.edu.tw/Faculty/faculty_lab?id=d34eb27e427e445ea164919ca57a37f6">https://icob.sinica.edu.tw/Faculty/faculty_lab?id=d34eb27e427e445ea164919ca57a37f6</a>	leechih@gate.sinica.edu.tw	Molecular mechanisms controlling dendrite development and synaptic specificity
	Shen-Ju Chou	Academia Sinica	<a href="https://icob.sinica.edu.tw/Faculty/faculty_more?id=3b2dd7a2135646d7b31e6330cce65144">https://icob.sinica.edu.tw/Faculty/faculty_more?id=3b2dd7a2135646d7b31e6330cce65144</a>	schou@gate.sinica.edu.tw	To study the mechanisms for cortical patterning.
	Shu-Ling Chiu	Academia Sinica	<a href="https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=3783be2c5e984e1ca83e26f49e077597">https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=3783be2c5e984e1ca83e26f49e077597</a>	slchiu@gate.sinica.edu.tw	The role of mitochondria in synaptic plasticity and neurodevelopmental disorders
	Kuo-Hua Huang	Academia Sinica	<a href="https://kuohua7.wixsite.com/huanglab">https://kuohua7.wixsite.com/huanglab</a>	khhuang@gate.sinica.edu.tw	social interaction in virtual reality; two-photon calcium imaging
	HUNG-CHIH KUO	Academia Sinica	<a href="https://icob.sinica.edu.tw/Faculty/faculty_more?id=87b2cf7292f44305a5a6e0f9ea70a867">https://icob.sinica.edu.tw/Faculty/faculty_more?id=87b2cf7292f44305a5a6e0f9ea70a867</a>	kuohuch@gate.sinica.edu.tw	Stem cell-based disease modeling and brain evolution
	Ching-Lung Hsu	Academia Sinica	<a href="https://neuroncomputelab.wordpress.com/">https://neuroncomputelab.wordpress.com/</a>	hsuc@ibms.sinica.edu.tw	To be determined
MBAS	Cheng-Hsun Ho	Academia Sinica	<a href="https://abrc.sinica.edu.tw/facultyE/?id=chho">https://abrc.sinica.edu.tw/facultyE/?id=chho</a>	zcybele3@sinica.edu.tw	Sensor development for metabolite and hormone
	Ho-Ming Chen	Academia Sinica	<a href="https://abrc.sinica.edu.tw/facultyE/?id=homing">https://abrc.sinica.edu.tw/facultyE/?id=homing</a>	homing@gate.sinica.edu.tw	Using CRISPR-Cas system to knockout negative regulators of the defense pathway in crops for improving disease resistance

Program	Host PI	Affiliation	Personal web page	Email	Project
MBAS	Der-Fen Suen	Academia Sinica	<a href="https://abrc.sinica.edu.tw/faculty/?id=suendif">https://abrc.sinica.edu.tw/faculty/?id=suendif</a>	suendif@gate.sinica.edu.tw	Analyzing interactomes of mitochondrial nad5 splicing factors in Arabidopsis
	Wen-Chin Yang	Academia Sinica	<a href="https://abrc.sinica.edu.tw/facultyE/?id=wcy">https://abrc.sinica.edu.tw/facultyE/?id=wcy</a>	wcyang@gate.sinica.edu.tw	Our research focus on R&D of nutraceuticals and medicines for diabetes and meidcne for humans, livestocks, and aquaculture. You can learn an array of agricultural biotechnology, biotechnology, animal science, and pharmaceutical science.
	Chen-Hui Chen	Academia Sinica	<a href="https://sites.google.com/view/chenlab-website/home">https://sites.google.com/view/chenlab-website/home</a>	chcchen@gate.sinica.edu.tw	Zebrafish model in regeneration research
	Lay-Sun Ma	Academia Sinica	<a href="https://sites.google.com/view/umaydis-MA-lab/research">https://sites.google.com/view/umaydis-MA-lab/research</a>	laysunma@gate.sinica.edu.tw	Delving into the Extracellular Space of Plant-Fungus Interactions: Effector-Target Complex of the Corn Smut Fungus <i>Ustilago maydis</i> .
	Shu-Hsing Wu	Academia Sinica	<a href="https://ipmb.sinica.edu.tw/en/people/ipmb_researchers/wu-shu-hsing">https://ipmb.sinica.edu.tw/en/people/ipmb_researchers/wu-shu-hsing</a>	shuwu@gate.sinica.edu.tw	How do plants work with the environmental "light" signals to ensure growth and developmental advantages?
	Ooi Kock Teh	Academia Sinica	<a href="https://sites.google.com/view/kock-lab/home">https://sites.google.com/view/kock-lab/home</a>	okteh@gate.sinica.edu.tw	How does cell wall regulation affect plant growth?
	Chih-Hang Wu	Academia Sinica	<a href="https://sites.google.com/view/chwlab/home">https://sites.google.com/view/chwlab/home</a>	wuchh@gate.sinica.edu.tw	Understanding the evolution and function of plant immune receptors.
	Kinya Ota	Academia Sinica	<a href="https://www.youtube.com/@LAQZL">https://www.youtube.com/@LAQZL</a>	otakinya@gate.sinica.edu.tw	Intern with us to study fish evolution and development
	Yi-Ching Lee	Academia Sinica	<a href="https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=257bdb2006c4449f9fc2e05fee96962c">https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=257bdb2006c4449f9fc2e05fee96962c</a>	yiching@gate.sinica.edu.tw	How might environmental factors interact with genetic factors influence cancer progression?
	Cheng-Fu Kao	Academia Sinica	<a href="https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=490dbad10b484875b47e4b605944f1a7">https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=490dbad10b484875b47e4b605944f1a7</a>	ckao@gate.sinica.edu.tw	Epigenetic regulation in Cellular stress responses
	Yi-Hsien Su	Academia Sinica	<a href="https://icob.sinica.edu.tw/Eng/Faculty/faculty_lab?id=29d1401337f54c86ab2a312cb50a4148">https://icob.sinica.edu.tw/Eng/Faculty/faculty_lab?id=29d1401337f54c86ab2a312cb50a4148</a>	yhsu@gate.sinica.edu.tw	Development of sea urchin and hemichordate
	Stephan Schneider	Academia Sinica	<a href="https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=04262948e3b24511ab311e657bec6d42">https://icob.sinica.edu.tw/Eng/Faculty/faculty_more?id=04262948e3b24511ab311e657bec6d42</a>	sqschneider@gate.sinica.edu.tw	Study of cell and developmental mechanisms that generate multi-ciliated cell types in a marine larva

Program	Host PI	Affiliation	Personal web page	Email	Project
MCB	Jun-An Chen	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/en/faculty/profile/jachsen.html">https://www.imb.sinica.edu.tw/en/faculty/profile/jachsen.html</a>	jac2210@gate.sinica.edu.tw	Stem cell application in modeling diseases
	Wei-Le Wang	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/ch/faculty/profile/wangweile.html">https://www.imb.sinica.edu.tw/ch/faculty/profile/wangweile.html</a>	wangweile@gate.sinica.edu.tw	Exploring the immune regulation in tissue barriers
	Yi-Fang Tsay	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/en/faculty/profile/mbyftsay.html">https://www.imb.sinica.edu.tw/en/faculty/profile/mbyftsay.html</a>	yftsay@gate.sinica.edu.tw	Genetic, genomic, metabolomics, and proteomic approaches are employed to understand how plants sense internal and external nitrogen (N) statuses and how they efficiently distribute nitrate to various tissues or organelles in order to optimize nitrogen fertilizer utilization efficiency
	Sheng-hong Chen	Academia Sinica	<a href="https://celldynamicslab.mystrikingly.com/">https://celldynamicslab.mystrikingly.com/</a>	shengchen@gate.sinica.edu.tw	Dynamics of single-cell signaling and metabolism using state-of-the-art imaging, imaging analysis and/or mathematical modeling
	Kuo-I Lin	Academia Sinica	<a href="https://www.genomics.sinica.edu.tw/tw/lin-kuo-i-">https://www.genomics.sinica.edu.tw/tw/lin-kuo-i-</a>	kuoilin@gate.sinica.edu.tw	Immune cells in tumor microenvironment
	Jun-Yi Leu	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/~jleu/">https://www.imb.sinica.edu.tw/~jleu/</a>	jleu@imb.sinica.edu.tw	green algae biotechnology and yeast proteomics
	Keita Kamino	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/en/faculty/profile/keita.html">https://www.imb.sinica.edu.tw/en/faculty/profile/keita.html</a>	kkamino@gate.sinica.edu.tw	Live-cell imaging/statistical analyses/numerical simulations of cell-signaling dynamics
	Jen-Hsuan Wei	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/~jhwei/">https://www.imb.sinica.edu.tw/~jhwei/</a>	jhwei@gate.sinica.edu.tw	Cytoskeleton and organelles in cortical development, cilia formation and spermatogenesis
	HWEIJAN HSU	Academia Sinica	<a href="https://icob.sinica.edu.tw/Faculty/faculty_more?id=f4d5843ea4d64d2989da65c66ed7049e">https://icob.sinica.edu.tw/Faculty/faculty_more?id=f4d5843ea4d64d2989da65c66ed7049e</a>	cohsu@gate.sinica.edu.tw	Germline stem cell response to diet
	Kuo-Chiang Hsia	Academia Sinica	<a href="https://www.hsia-laboratory.com/">https://www.hsia-laboratory.com/</a>	ksia@gate.sinica.edu.tw	Structural and functional studies of microtubule-associated proteins (e.g., HURP) in microtubule array formation
	Chien-Ling Lin	Academia Sinica	<a href="https://www.imb.sinica.edu.tw/en/faculty/profile/chienling.html">https://www.imb.sinica.edu.tw/en/faculty/profile/chienling.html</a>	mbcllin@gate.sinica.edu.tw	Alteration of Genetic Network by Tissue-specific 5' UTR Splicing Isoforms

Program	Host PI	Affiliation	Personal web page	Email	Project
MM	Woan-Yuh Tarn	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/woan-yuh-tarn/en/">https://www.ibms.sinica.edu.tw/woan-yuh-tarn/en/</a>	wtarn@ibms.sinica.edu.tw	Non-coding RNA in DNA damage repair
	Shih-Yu Chen	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/shih-yu-chen/">https://www.ibms.sinica.edu.tw/shih-yu-chen/</a>	sychen@ibms.sinica.edu.tw	Development of high throughput single cell multi-omic analysis platforms
	Yungling Lee	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/yungling-lee/en/">https://www.ibms.sinica.edu.tw/yungling-lee/en/</a>	leolee@ibms.sinica.edu.tw	cancer immunotherapy and T cell immunity are our major interests
	Yang Cheng	Academia Sinica	<a href="https://thechenglab.com/">https://thechenglab.com/</a>	ycheng@ibms.sinica.edu.tw	Dissecting human virus-specific T cells in viral infection, vaccination, and virus-associated cancer.
	Yi-Cheng Chang	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/yi-cheng-chang/ch/">https://www.ibms.sinica.edu.tw/yi-cheng-chang/ch/</a>	yichengchang@ntu.edu.tw	G6PD deficiency and obesity, diabetes, renal disease, and cardiac hypertrophy: the mechanism and development of G6PD activators
	Che-Ming Hu	Academia Sinica	<a href="http://www.jackhu.net">www.jackhu.net</a>	chu@ibms.sinica.edu.tw	Development of cancer vaccine and gene therapy-based immunotherapies.
	Chien-Chang Chen	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/chien-chang-chen/en/">https://www.ibms.sinica.edu.tw/chien-chang-chen/en/</a>	ccchen@ibms.sinica.edu.tw	Mechanisms underlying the transition from acute pain to chronic pain
	I-Hsuan Wang	Academia Sinica	<a href="https://ihwanglab.net/">https://ihwanglab.net/</a>	ihwang@ibms.sinica.edu.tw	Investigation of the host factors involved in the late stages of viral infections.
	Dennis Hwang	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/dennis-hwang/ch/">https://www.ibms.sinica.edu.tw/dennis-hwang/ch/</a>	dhwang@ibms.sinica.edu.tw	MRI application in biomedicine
	Shih-Lei (Ben) Lai	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/benlai/">https://www.ibms.sinica.edu.tw/benlai/</a>	ben.s.lai@ibms.sinica.edu.tw	Generating human disease model in zebrafish by CRISPR/Cas9-mediated gene mutagenesis
	Tai-Ming Ko	National Yang Ming Chiao Tung University (Joint Assistant Research Fellow)	<a href="https://www.ibms.sinica.edu.tw/tai-ming-ko/">https://www.ibms.sinica.edu.tw/tai-ming-ko/</a>	tmko@ibms.sinica.edu.tw	leveraging single-cell analysis for translational studies in immune-mediated diseases and immunotherapies.
	Wan-Chen Lin	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/wan-chen-lin/">https://www.ibms.sinica.edu.tw/wan-chen-lin/</a>	wchlin@ibms.sinica.edu.tw	Engineer or evaluate new optogenetic tools/genetically encoded sensors.
	Shi-Bing Yang	Academia Sinica	<a href="https://www.ibms.sinica.edu.tw/shi-bing-yang/">https://www.ibms.sinica.edu.tw/shi-bing-yang/</a>	sbyang@ibms.sinica.edu.tw	Students can learn electrophysiology, neural circuit mapping and behavioral assays.

Program	Host PI	Affiliation	Personal web page	Email	Project
MST	Kaito Takahashi	Academia Sinica	<a href="https://www.iams.sinica.edu.tw/en/?link=member&amp;id=6">https://www.iams.sinica.edu.tw/en/?link=member&amp;id=6</a>	kt@gate.sinica.edu.tw	Perform theoretical calculations to understand the reactivity of CO coupling reactions on transition metal surfaces for carbon dioxide reduction reaction.
	Chi-Kung Ni	Academia Sinica	<a href="https://www.iams.sinica.edu.tw/en/?link=member&amp;id=5&amp;type=">https://www.iams.sinica.edu.tw/en/?link=member&amp;id=5&amp;type=</a>	kni@gate.sinica.edu.tw	Extract carbohydrates from nautral products and analyze the carbohydrate structures using mass spectrometry
	Jer-Lai Kuo	Academia Sinica	<a href="https://scholar.google.com.tw/citations?user=n9C8VrcAAAAJ&amp;hl">https://scholar.google.com.tw/citations?user=n9C8VrcAAAAJ&amp;hl</a>	jlkuo@gate.sinica.edu.tw	A Deep-Learning Neural Network Assisted Exploration on the Complex Landscape of Bio-Molecules with First Principles Accuracy
	Ching-Wei Lin	Academia Sinica	<a href="https://sites.google.com/view/lincwgroup">https://sites.google.com/view/lincwgrou</a> p	linc@sinica.edu.tw	Biodegradable short-wave infrared emissive nanamaterials for biomedical imaging and therapy
	Cheng-Tien Chiang	Academia Sinica	<a href="https://ufss.iams.sinica.edu.tw/">https://ufss.iams.sinica.edu.tw/</a>	ctchiang@pub.iams.sinica.edu.tw	(1) Optimization of femtosecond laser pulses for photoemission, (2) Analysis of photoelectron distributions.
	Mei-Yin Chou	Academia Sinica	<a href="https://labs.iams.sinica.edu.tw/project/mychou">https://labs.iams.sinica.edu.tw/project/mychou</a>	mychou6@gate.sinica.edu.tw	We study the electronic properties of novel two-dimensional systems using state-of-the-art computational methodologies. The purposes of these studies are to provide unambiguous explanations for various interesting phenomena observed experimentally and to make reliable predictions of new material properties from microscopic quantum theories.
	Wei-Hua Wang	Academia Sinica	<a href="https://idv.sinica.edu.tw/wwang/">https://idv.sinica.edu.tw/wwang/</a>	wwang@sinica.edu.tw	Novel electronic and photonic properties of van der Waals-heterostructure-based devices
	Ya-Ping Hsieh	Academia Sinica	<a href="https://sites.google.com/g.iams.sinica.edu.tw/mylab">https://sites.google.com/g.iams.sinica.edu.tw/mylab</a>	yphsieh@gate.sinica.edu.tw	CVD synthesis of 2D materials
	Yu-Chieh Wen	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/~optical/index.php">https://www.phys.sinica.edu.tw/~optical/index.php</a>	ycwen@phys.sinica.edu.tw	Laser spectroscopy, quantum material physics, surface physical chemistry
NANO	Kung-Hsuan Lin	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/~laser/KHLin.html">https://www.phys.sinica.edu.tw/~laser/KHLin.html</a>	linkh@sinica.edu.tw	laser spectroscopy of nanomaterials
	Wei-Li Lee	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/~nslab/">https://www.phys.sinica.edu.tw/~nslab/</a>	wlee@phys.sinica.edu.tw	complex oxides and their interfaces, 2D devices fabrication and characterization

Program	Host PI	Affiliation	Personal web page	Email	Project
NANO	Chao-Cheng Kaun	Academia Sinica	<a href="https://www.rcas.sinica.edu.tw/RCAS-ch/pi_web/kauncc.php">https://www.rcas.sinica.edu.tw/RCAS-ch/pi_web/kauncc.php</a>	kauncc@gate.sinica.edu.tw	Computational Modeling of Nanoelectronics and Emerging Materials
	Hsin Lin	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/directory_en.php?directory=11&amp;id_key=145">https://www.phys.sinica.edu.tw/directory_en.php?directory=11&amp;id_key=145</a>	Nilnish@gate.sinica.edu.tw	Machine learning, first principles calculations, topological band theory, 2D materials, quantum computing, thermoelectric materials, spintronics, nonlinear response.
	Ing-Shouh Hwang	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/directory_en.php?directory=11&amp;id_key=12">https://www.phys.sinica.edu.tw/directory_en.php?directory=11&amp;id_key=12</a>	ishwang@phys.sinica.edu.tw	Materials characterization with atomic force microscopy
	Yu-Jung Lin	Academia Sinica	<a href="https://www.rcas.sinica.edu.tw/RCAS-ch/pi_web/linyujung.php">https://www.rcas.sinica.edu.tw/RCAS-ch/pi_web/linyujung.php</a>	linyujung@gate.sinica.edu.tw	Development of hydrogen generation system for treating inflammatory diseases
	Keng-hui Lin	Academia Sinica	<a href="http://www.phys.sinica.edu.tw/~softlab">http://www.phys.sinica.edu.tw/~softlab</a>	kenghui@gate.sinica.edu.tw	3D cell culture in spherical microwells
	Chung-Ting Ke	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/directory.php?directory=11&amp;id_key=157">https://www.phys.sinica.edu.tw/directory.php?directory=11&amp;id_key=157</a>	ctke@gate.sinica.edu.tw	superconducting hybrid material system
	Raman Sankar	Academia Sinica	<a href="https://www.phys.sinica.edu.tw/~sankar/">https://www.phys.sinica.edu.tw/~sankar/</a>	sankarraman@gate.sinica.edu	superconductor and 2D materials
	Chia-Fu Chou	Academia Sinica	<a href="http://www.phys.sinica.edu.tw/directory.php?directory=11&amp;id_key=76">http://www.phys.sinica.edu.tw/directory.php?directory=11&amp;id_key=76</a>	cfchou@phys.sinica.edu.tw	micro/nanofluidics, biosensors
SCST	Tiow-Gan Ong	Academia Sinica	<a href="https://cwc590317.wixsite.com/tgonglab">https://cwc590317.wixsite.com/tgonglab</a>	tgong@gate.sinica.edu.tw	Inorganic, catalysis and ligand design
	Mitch Ming-Hsi Chiang	Academia Sinica	<a href="https://www.chem.sinica.edu.tw/faculty/index.php?piName=mhchiang">https://www.chem.sinica.edu.tw/faculty/index.php?piName=mhchiang</a>	chiangmh@gate.sinica.edu.tw	Hydrogen production by catalytic materials. Electrode materials for energy storage and transfer.
	Hsiung-Lin Tu	Academia Sinica	<a href="https://scellse.weebly.com/">https://scellse.weebly.com/</a>	hltu@gate.sinica.edu.tw	continuous flow synthesis of organic-inorganic materials
	Hung-Ju Yen	Academia Sinica	<a href="http://hjyen.weebly.com/">http://hjyen.weebly.com/</a>	hjyen@gate.sinica.edu.tw	batteries; graphene chemistry
SNHCC	Meng Chang Chen	Academia Sinica	<a href="https://homepage.iis.sinica.edu.tw/pages/mcc/index_en.html">https://homepage.iis.sinica.edu.tw/pages/mcc/index_en.html</a>	mcc@citi.sinica.edu.tw	malware analysis and detection
	Hen-Hsen Huang	Academia Sinica	<a href="https://homepage.iis.sinica.edu.tw/pages/hhuang/">https://homepage.iis.sinica.edu.tw/pages/hhuang/</a>	hhuang@iis.sinica.edu.tw	The Challenges and Applications of Spatio-temporal Graph Neural Networks Integrated by Large Language Models