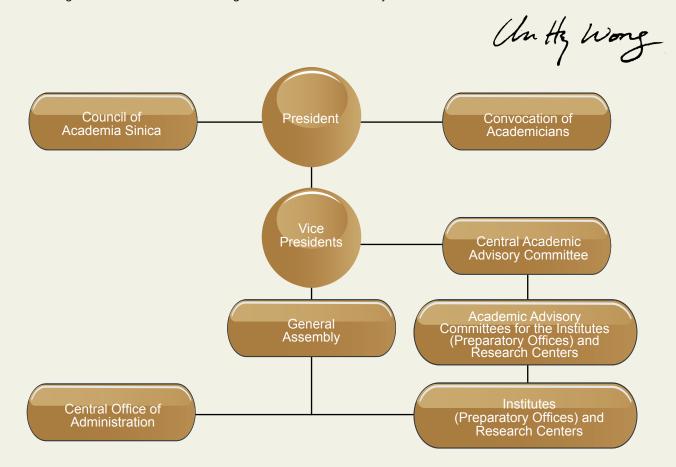


# Pursuing Excellence

Founded in 1928, Academia Sinica is the foremost academic research institution in the Republic of China. Academia Sinica has the mission to conduct cutting-edge research in the humanities and sciences, encourage outstanding academic research and nurture advanced research talent in all fields of study. The current President of Academia Sinica is Academician Chi-Huey Wong, who assumed office in October 2006. President Wong is assisted in guiding academic and administrative affairs by three vice presidents, namely Academician Shie-Ming Peng, Academician Chien-Jen Chen and Academician Fan-Sen Wang.

Academia Sinica is dedicated to placing equal emphasis on the development of the humanities and sciences, and on basic scientific research as well as applied research. Academia Sinica encompasses 24 research institutes and 7 research centers which are organized into three divisions: Mathematics and Physical Sciences, Life Sciences and Humanities and Social Sciences. Over 1,800 research staff holding Ph.D. degrees are employed at Academia Sinica, and among the 252 Academicians, 8 are Nobel Laureates. The Central Office of Administration is responsible for the administrative work of Academia Sinica, while the Central Academic Advisory Committee promotes academic development. Academia Sinica has an overall annual budget of approximately 11 billion New Taiwan Dollars.

Looking to the future, Academia Sinica will continue its pioneering efforts across a broad range of disciplines. Endowed with a tradition of academic excellence and outstanding research foundations, Academia Sinica will forge ahead to make path-breaking research discoveries and offer innovation applications of newly acquired knowledge. Academia Sinica is firmly committed to benefiting society and making lasting contributions to global developments, enriching human civilization and creating a better future for humanity.



## Division of Mathematics and Physical Sciences

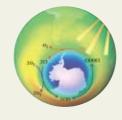


#### **Institute of Mathematics**

The Institute of Mathematics pursues research in the following areas:
(1) Applied mathematics and analysis
(2) Geometry and mathematical physics
(3) Combinatorial mathematics and applications

- applications
  (4) Probability theory and applications
- (5) Number theory and algebra

http://www.math.sinica.edu.tw



#### Institute of Atomic and Molecular Sciences

The IAMS conducts research on physical chemistry of atoms/molecules and applies this knowledge to material, energy and bio-technologies.

http://www.iams.sinica.edu.tw



#### **Institute of Physics**

The Institute of Physics currently has 46 principle investigators. The research activities cover three major areas: Nanoscience, Complex Systems and Medium and High Energy Physics. Within these areas, the main research topics include particle physics and cosmology, statistical and computational physics, bidh statistical and computational physics, high energy experimental physics, nuclear physics, condensed matter and surface science, biophysics, fluid mechanics and nonlinear physics.

http://www.phys.sinica.edu.tw



#### Institute of Astronomy and **Astrophysics**

Research topics carried out at the ASIAA range from solar system studies to cosmology, with our staff making use of many of the frontier observing facilities. We have established a number of important world-class facilities (SMA, AMiBA, TAOS) and are currently participating in ALMA, TAOS-2 and Submm VLBI project. The ASIAA also pursues a vigorous research program in theory and is actively engaged in astronomy education and outreach activities. Research topics carried out at the ASIAA range

http://www.asiaa.sinica.edu.tw



#### Institute of Chemistry

Institute of Chemistry currently has 28 principle investigators conducting multidisciplinary research programs mainly in materials chemistry and nanoscience, chemical biology, medicinal chemistry and catalytic chemistry.

http://www.chem.sinica.edu.tw



#### **Research Center for Applied Sciences**

Major research areas at the RCAS are optoelectronics, nanotechnology, mechanics and theoretical simulation.

http://www.rcas.sinica.edu.tw



#### Institute of Earth Sciences

Theoretical and applied geophysics and geochemistry. These disciplines are applied to the study of the internal constitution, structure, dynamics, and evolution of the Earth, as well as the understanding of natural hazards

http://www.earth.sinica.edu.tw



#### **Research Center for Environmental Changes**

The RCEE conducts research on atmospheric chemistry, air quality, biogeochemical cycles of fresh water systems in Taiwan and surrounding oceans, water resources and regional climate changes.

http://www.rcec.sinica.edu.tw



#### **Institute of Information Science**

Established in 1982, the mission of the Institute of Information Science is to conduct fundamental but high-quality research in various areas of information science and to develop advanced applicationdriven systems that utilize and enhance cutting-edge technologies. Our research area focus on eight main categories that include bioinformatics, computer system, information processing and discovery, multimedia technologies, natural language and knowledge processing, network systems and service, programming languages and formal methods, and theory and algorithm.

http://www.iis.sinica.edu.tw



#### **Research Center for Information** Technology Innovation

The Research Center for Information Technology Innovation(CITI) was founded in February 2007, to integrate the research and development activities in information technologies among various organizations in Academia Sinica, and also to further promote IT-related multi-disciplinary

http://www.citi.sinica.edu.tw



#### **Institute of Statistical Science**

The Institute of Statistical Science conducts fundamental research related to statistics and probability, as well as social networks and their applications.

http://www.stat.sinica.edu.tw

#### Division of Life Sciences



#### Institute of Plant and Microbial Biology

The research in the Institute of Plant and Microbial Biology is organized into two major intellectual foci:

1. Mechanisms of Plant Functioning;

2. Plant-Microbial Interactions.

The former research area can be divided into the emphases Arabidopsis Genetics and Development, Biochemistry and Cell Biology, Bioresources, and Cereal Genomics.

http://ipmb.sinica.edu.tw



#### Institute of Cellular and Organismic Biology

Current research efforts of the ICOB can be divided into four areas: (1) aquabiology and marine biotechnology, (2) cellular and organismic functional analysis through studies with model animal systems, (3) molecular basis of cellular function and dysfunction, and (4) cellular structural analysis.

http://icob.sinica.edu.tw



#### Institute of Biological Chemistry

The Institute of Biological Chemistry has focused on two major themes of research: (1) Biochemical basis of posttranslational regulation and cell signaling network, (2) Structural and mechanistic basis of protein function and drug design. Throughout these studies, we aim to pursue quality and excellence in research with a deep commitment to promote collaboration among fellow scientists.

http://www.ibc.sinica.edu.tw



#### **Institute of Biomedical Sciences**

The mission of the IBMS is to identify disease genes and elucidate disease-causing mechanisms in order to develop new diagnostic and therapeutic strategies to improve human health. In other words, translational medicine is our ultimate goal.

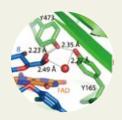
http://www.ibms.sinica.edu.tw



#### Institute of Molecular Biology

The research areas of the IMB include: (1) Nuclei acids and chromosome biology; (2) Developmental biology and neurobiology; (3) Structural biology; (4) Plant molecular biology; (5) Interaction between virus and its host; (6) Biochemistry and cellular physiology.

http://www.imb.sinica.edu.tw



#### **Genomics Research Center**

To attain a better understanding of genes associated with diseases and their functions, the Genomics Research Center focuses on the discovery and functions, the Genomics Research Center focuses on the discovery and validation of disease targets and development of innovative technologies and therapeutic strategies. The Center focuses its research on chemical biology, medical biology, and physical and computational genomics. It endeavors to develop cutting-edge diagnosis tools and innovative therapeutic strategies through interdisciplinary programs, and the extension of basic discoveries to translational research. It also strives to promote technology transfer to translate important discoveries into commercial opportunities, with the goal of improving infrastructure and technology to create a prosperous bio-pharmaceutical industry in Taiwan.

http://www.genomics.sinica.edu.tw



#### **Biodiversity Research Center**

The four foci of research in the Biodiversity Research Center are: (1) Marine Biodiversity and Ecosystems; (2) Terrestrial Biodiversity and Ecosystems; (3) Evolutionary Genetics and Genomics; (4) Microbial Diversity and Bioinformatics.

http://biodiv.sinica.edu.tw



#### Agricultural Biotechnology Research Center

The ABRC pursues innovative research in areas including integrative plant stress biology, herbal medicine, molecular vaccines, and enzyme biotechnology.

http://abrc.sinica.edu.tw

## Division of Humanities and Social Sciences



#### Institute of History and Philology

The Institute of History and Philology (IHP), inaugurated in 1928, was Academia Sinica's first institute. The IHP is one of the most accomplished research institutions in the international community of Chinese studies. It consists of an acclaimed faculty, a library of exceptional distinction holding various rare and recent collections of documents related to Chinese history, digital collections of Chinese historical texts and images, as well as an outstanding museum of Chinese history. The institute conducts research in history, archeology, anthropology and philology. and philology.

http://www.ihp.sinica.edu.tw



#### Institute of Economics

The Institute of Economics pursues scientific research in economic theory and applications, with special focus on economic development problems and related policy issues in Taiwan. Our current research projects include: (1) Macroeconomics, Growth Theory, and Monetary Economics: Theory and Applications; (2) Econometrics Theory, (3) Finance and their Applications; (4) International Economics; (5) Microeconomic Theory and Mathematical Economics; (6) Population, Family, Labor, and Health Economics; (7) Agricultural, Environmental, and Resource Economics; (8) Industrial Organization, and Regional Economics; (9) Public and Legal Economics; and (10) Public Policies. Most of the Institute's research is published in leading international scholarly iournals. in leading international scholarly journals.

http://www.econ.sinica.edu.tw



#### **Institute of Chinese Literature** and Philosophy

The institute is currently devoted to the studies of classical and modern Chinese literature, Chinese and comparative philosophy and Confucian classics.

http://www.litphil.sinica.edu.tw



#### Institutum lurisprudentiae

The IIAS conducts research on:

- The IIAS conducts research on:
  (1) Constitutional Structure and Human Rights;
  (2) Administrative Regulation and Judicial Remedies;
  (3) Law, Science and Technology;
  (4) Jurisprudence and Social Transformation;
  (5) Legal Development in China, Hong Kong, and Macau;
  (6) Comparative Study of Judiciary Systems, Empirical Study of Judicial Behavior, and Legislative Studies.
  http://www.iias.sinica.edu.tw



#### Institute of Ethnology

Research at the IOE can be divided into four thematic areas: (1) Cultural History & Ethnicity (2) The Interface between Culture and Psychology: (3) Contemporary Context of Socio-cultural Development (4) Cultural Performances and Narration:

http://www.ioe.sinica.edu.tw



#### Institute of European and American Studies

The researchers of the Institute of European and American Studies have explored studies of the major areas of Studies have explored studies of the major areas of Western culture and civilization, including European and American literature and culture, American and German diplomatic history, the philosophy of language and mind, the structure and transformation of societies, history of art and sociology of culture, major legal issues, EU law and politics, political systems and behavior, and American foreign policy and international relations.

http://www.ea.sinica.edu.tw



#### **Institute of Taiwan History**

The Institute of Taiwan History has set up five research groups devoted to major fields of research spanning the period from 17th to 20th century, aimed at building a world-class institution in Taiwan studies.

http://www.ith.sinica.edu.tw



#### **Institute of Political Science**

Our main research directions are: Taiwan politics and nascent democracies, Political and economic transitions in Mainland China and post-socialist countries, Cross-Strait relations and international relations theory, Political value change in East Asia and global democratic development and Methodology.

http://www.ipsas.sinica.edu.tw



#### **Institute of Modern History**

Research conducted at the Institute of Modern History encompasses the transformations in modern Chinese politics, military affairs, foreign policy, society, economics, culture, and thought, with particular focus on exploration of the formation of modernity. The Institute seeks to preserve its scholarly traditions while being receptive to contemporary social and human needs

http://www.mh.sinica.edu.tw



#### Institute of Sociology

Since its establishment, the Institute has pursued six major objectives: to promote indigenous research and self-identity of Taiwan sociology; to promote research in societies and areas neighboring to Taiwan; to promote international comparative studies; to systematize important sociological subfields; to develop original research agendas; and to strengthen cooperation with other sociological communities.

http://www.ios.sinica.edu.tw



#### **Institute of Linguistics**

The overall objective of the Institute of Linguistics is to achieve scientific and systematic knowledge about human language by conducting purely linguistic as well as interdisciplinary research on languages of Taiwan and genetically and geographically related languages. Important contributions have been made especially in linguistic structure analyses, linguistic computation and simulation, language archiving and cross-discipline

http://www.ling.sinica.edu.tw



#### **Research Center for Humanities** and Social Sciences

The Research Center for Humanities and Social Sciences consists of three clusters of interdisciplinary research. The cluster of specific thematic research includes political thought, institution and behavior studies, history of health, data mining and learning. The cluster of area studies includes maritime history, archaeology, Asia-Pacific area studies, and economic development and trade in East Asia. The cluster of data archiving and analysis includes survey research, GIS, historical demography and the study of the family in Chinese societies.

http://www.rchss.sinica.edu.tw

#### Academia Sinica Libraries

http://aslib.sinica.edu.tw

#### National Science and Technology Programs

Development Program of Industrialization for Agricultural Biotechnology http://dpiab.sinica.edu.tw

National Research Program for Biopharmaceuticals http://nrpgm.sinica.edu.tw

National Nanotechnology Bridge Program

http://nano-taiwan.sinica.edu.tw

Taiwan e-Learning and Digital Archives Program http://teldap.tw

#### Research in Sustainability Science

http://irdr-icoe.sinica.edu.tw

#### Graduate Programs at Academia Sinica

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http://tigp.sinica.edu.tw http://asdp.sinica.edu.tw

24

Ecological Research Park (West Entrance)

Ecological Research Park 
(East Entrance)



Wu Ta-You

Memorial Hall

http://www.phys.sinica.edu.tw/~tywufund

Hu Shih Memorial Hall http://www.mh.sinica.edu

Chien Shih-Liang Memorial Hall



Museum of the Institute of Ethnology

Museum of the Institute

of History and Philology http://www.ihp.sinica.edu.

tw/~museum/tw

http://www.ioe.sinica.edu.tw/tool/museum

Lingnan Fine Arts Museum http://Infam.sinica.edu.tw

Biodiversity Research Museum http://museum.biodiv.tw

### Campus of Academia Sinica

Main Entrance

Institute of Biomedical Sciences Environment, Health and Safety

Management Division
Institute of Cellular and Organismic Biology

Biodiversity Research Center Institute of Molecular Biology

Institute of Biological Chemistry
Life Science Library
National Laboratory Animal Center, NLAC
Interdisciplinary Research Building for
Science and Technology (under construction)

Mini-forest restoration area

Central Office of Administration Biodiversity Research Center

Biodiversity Research Museum Institute of Plant and Microbial Biology

Research Center for Information Technology

13 IRDR-International Centre of Excellence

(IRDR-ICoE)
Tsai Yuan-Pei Memorial Hall

Institute of Statistical Science Post office, garage, grocery store and Hi-Life

convenient store

Genomics Research Center

Genomics Research Center
Agricultural Technology Building
Agricultural Biotechnology Research Center
(Agricultural Technology Building 1st\_2st Floor
and 5-7st Floor)
Institute of Plant and Microbial Biology

(Agricultural Technology Building 1st-4th Floor)

20 Center of Academic Activities (Bookstore, auditorium, conference rooms, guest rooms, breastfeeding room, Chinese and Western

restaurants, coffee shop)
21 Institute of Chinese Literature and Philosophy
22 Institute of Earth Sciences

23 Gymnasium (Breastfeeding room) 24 Humanities and Social Sciences Building (HSSR)

24 Joint Library of Humanities and Social Sciences (1st-2nd Floor HSSB) 24 Institute of Linguistics (5-7th Floor of South

Wing, HSSB) wing, HSSB)

4 Institute of Sociology (8-10<sup>th</sup> Floor of South Wing, HSSB)

4 Research Center for Applied Sciences (11<sup>th</sup> Floor of South Wing, HSSB)

- 24 Research Center for Environmental Changes (11th Floor of South Wing, HSSB)
   24 Institute of Political Science (5-6<sup>th</sup> Floor of

North Wing, HSSB)
24 Institute of Taiwan History (7-8<sup>th</sup> Floor of North

Wing, HSSB) 24 Institutum Iurisprudentiae (9-10th Floor of North Wing, HSSB)
25 Research Center for Environmental Changes

(Laboratories)

26 Plant Molecular Breeding Greenhouse
27 Greenhouse Building
27 Biodiversity Research Center
28 Research Center for Environmental Changes (under construction)

30 Institute of Chemistry
31 Research Center for Humanities and Social
Sciences

32 Institute of Information Science

33 Institute of Physics

33 Research Center for Applied Sciences (Laboratories) Wu Ta-You Memorial Hall

34 Hu Shih Memorial Hall
35 Institute of Modern History
36 Institute of European and American Studies
37 Institute of History and Philology

37 Museum of the Institute of History and Philology 38 Fu Ssu-nien Library

38 Fu SSU-filen Library
39 Institute of Economics
40 Institute of Ethnology
40 Museum of the Institute of Ethnology
41 Lingnan Fine Arts Museum (Jin Mei Building)
42 Archive Building, Institute of Modern History
43 Building of Taiwan Archaeological Studies

50 Academia Sinica Dormitory Buildings

51 Temporary Parking

60 TIGP Teaching and Administration Building

(TA Building)
60 Administrative office for TIGP, Degree
Program and Foreigners Services (2<sup>nd</sup>-3<sup>rd</sup>
Floor of TA Building)
60 Kindergarten (1<sup>st</sup> Floor of TA Building)



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By Bus: Buses 205, 212, 270, 276, 306, 620, 645, 679, Blue 25, minibus 1, minibus 5, and minibus 12 all go to Academia Sinica.
 By MRT: 1. Take the Bannan Line to Nankang Station (Exit 2). Then take bus 212, 270 or Blue 25 to Academia Sinica.
 Z. Take the Bannan Line to the Nangang Exhibition Center (Exit 2). Then take bus 205, 212, 276, 306, 620, 645, 679, minibus 1, minibus 5 or minibus 12 to Academia Sinica at Nankang Train Station.
 By Train: Take bus 205, 212, 276, 306, 679, minibus 5 or minibus 12 to Academia Sinica at Nankang Train Station.



