## **Application Results for 2022 Academia Sinica TYPE I &II Grants**

A total of 123 applications were submitted for the 2022 Academia Sinica Type I and Type II grants: 38 from the Division of Mathematics and Physical Sciences; 63 from the Division of Life Sciences; 22 from the Division of Humanities and Social Sciences. Of these, 46 were selected for funding, including 16 from Division of Mathematics and Physical Sciences, 21 from Division of Life Sciences, and 9 from Division of Humanities and Social Sciences. Please refer to the following lists for detailed information.

#### 2022 Academia Sinica Career Development Award

A total of 26 applications were submitted for the 2022 Career Development Award: 8 from the Division of Mathematics and Physical Sciences; 16 from the Division of Life Sciences; 2 from the Division of Humanities and Social Sciences. Of these, 13 were awarded, including 5 from the Division of Mathematics and Physical Sciences, 7 from the Division of Life Sciences and 1 from the Division of Humanities and Social Sciences.

Project No.	Project Title	Project PI	Affiliation
AS-CDA-111-	High-resolution probing of	Hsin-Hua Huang	Institute of Earth
M01	earthquake and landquake slip zone		Sciences, Academia
	process with fiber-optic sensing: A		Sinica
	cross-scale field experiment and		
	viewpoint		
AS-CDA-111-	Quantum Electrodynamics	Liang-Yan Hsu	Institute of Atomic and
M02	Chemistry: Exploring the Chemical		Molecular Sciences,
	Properties of Light-Molecule Hybrid		Academia Sinica
	States		
AS-CDA-111-	What physical mechanisms cause the	Hsi-Wei Yen	Institute of Astronomy
M03	diversity of star and planet		and Astrophysics,
	formation?		Academia Sinica
AS-CDA-111-	Illuminating the Physics of	Ke-Jung Chen	Institute of Astronomy
M04	Superluminous Supernovae		and Astrophysics,
			Academia Sinica
AS-CDA-111-	Supervised Projection for Massive	Ming-Chung	Institute of Statistical
M05	Data: Theory and Applications	Chang	Science, Academia
			Sinica

A. Division of Mathematics and Physical Sciences: (5 Projects)

### B. Division of Life Sciences : (7 Projects)

Project No.	Project Title	Project PI	Affiliation
AS-CDA- 111-L01	Study epidermal cell lineage progression and its response to environmental stresses in Arabidopsis leaves	Chin-Min Kimmy Ho	Institute of Plant and Microbial Biology, Academia Sinica

AS-CDA-	In vivo analysis of dendritic	Shu-Ling Chiu	Institute of Cellular
111-L02	mitochondria function in experience-		and Organismic
	dependent sensory circuit remodeling		Biology, Academia
			Sinica
AS-CDA-	Structural and mechanistic	Hsin-Yung Yen	Institute of Biological
111-L03	investigation of GABAergic receptors		Chemistry, Academia
	in the native environment by state-of-		Sinica
	the-art mass spectrometry		
AS-CDA-	Neural encoding of prediction during	Kuo-Hua Huang	Institute of Molecular
111-L04	social conditioning		Biology, Academia
			Sinica
AS-CDA-	Understanding the mechanisms of the	Masashi Yamada	Agricultural
111-L05	root meristem size control and abiotic		Biotechnology
	stress tolerance by Root meristem		Research Center,
	Growth Factor 1 (RGF1) peptide.		Academia Sinica
AS-CDA-	Unveil the functions and recognition	Ming-Jung Liu	Agricultural
111-L06	mechanisms of non-canonical open-		Biotechnology
	reading frames for plant defense		Research Center,
			Academia Sinica
AS-CDA-	Uncovering the ecological and	Mao-Ning	<b>Biodiversity Research</b>
111-L07	evolutionary processes shaping the	Tuanmu	Center, Academia
	diversity of avian nests		Sinica

# C. Division of Humanities and Social Sciences: (1 Project)

Project No.	Project Title	Project PI	Affiliation
AS-CDA-	The Chinese Anti-Bureaucratic	Shiuon Chu	Institute of Modern
111-H01	Discourse and Political Culture in		History, Academia
	Twentieth Century China		Sinica

### 2022 Academia Sinica Investigator Award

A total of 35 applications were submitted for the 2022 Academia Sinica Investigator Award: 9 from the Division of Mathematics and Physical Sciences; 17 from the Division of Life Sciences; 9 from the Division of Humanities and Social Sciences. Of these, 13 were awarded, including 3 from the Division of Mathematics and Physical Sciences, 6 from the Division of Life Sciences and 4 from the Division of Humanities and Social Sciences.

Project No.	Project Title	<b>Project PI</b>	Affiliation
AS-IA-111-	Processing-in-Memory: Opportunities	Yuan-Hao Chang	Institute of Information
M01	in the Post-von-Neumann Era		Science, Academia
			Sinica
AS-IA-111-	High pressure-temperature thermal	Wen-Pin Hsieh	Institute of Earth
M02	conductivity and sound velocity of		Sciences, Academia
	ultralow velocity zones: implications for		Sinica
	the complex thermo-chemical structures		
	and dynamics at the core-mantle		
	boundary		
AS-IA-111-	The Structure of a 3-Manifold Invariant	Miranda Chih-	Institute of
M03		Ning Cheng	Mathematics,
			Academia Sinica

A. Division of Mathematics and Physical Sciences: (3 Projects)

#### B. Division of Life Sciences : (6 Projects)

Project No.	Project Title	Project PI	Affiliation	
AS-IA-111-	Synaptic and circuit mechanisms of sex-	Yi-Ping Hsueh	Institute of Molecular	
L01	biased social defects in autism mouse		Biology, Academia	
	models		Sinica	
AS-IA-111-	Molecular mechanism of prey-sensing,	Yen-Ping Hsueh	Institute of Molecular	
L02	trap morphogenesis and evolution in		Biology, Academia	
	nematode-trapping fungi		Sinica	
AS-IA-111-	Sensing of and adaptations to	Wolfgang	Institute of Plant and	
L03	environmental pH in plants	Schmidt	Microbial Biology,	
			Academia Sinica	
AS-IA-111-	Deciphering the Evolution of Diverse	Sheng-Feng	<b>Biodiversity Research</b>	
L04	Animal Forms with Deep Learning	Shen	Center, Academia	
			Sinica	
AS-IA-111-	Mechanisms and Functions of Histone	Li-Jung Juan	Genomics Research	
L05	N- $\alpha$ -acetylation in Epigenetics,		Center, Academia	
	Development and Disease		Sinica	
AS-IA-111-	Molecular and neurobiological basis of	Chih-Cheng	Institute of Biomedical	
L06	opioid-independent peripheral analgesia	Chen	Sciences, Academia	
	for intractable pain		Sinica	

Project No.	Project Title	<b>Project PI</b>	Affiliation
AS-IA-111-	Politics and Justice in a Nascent	Chung-Li Wu	Institute of Political
H01	Democracy: Empirical Studies of		Science, Academia
	Taiwan		Sinica
AS-IA-111-	A Comprehensive Study of Legal	Chien-Liang Lee	Institutum
H02	Families, Legal System and		Institutum
	Comparative Law: Toward a System-		A andomia Sinica
	oriented and Contextual Legal Thinking		Academia Sinica
AS-IA-111-	Why States Violated International	Fort Fu-Te Liao	Institutum
H03	Human Rights Treaties: Review of		Iurisprudentiae,
	Individual Communications		Academia Sinica
AS-IA-111-	The EU Vaccine Strategy and the	Der-Chin Horng	Institute of European
H04	Regulation of Compulsory License:		and American Studies,
	Implications for Taiwan		Academia Sinica

C. Division of Humanities and Social Sciences: (4 Projects)

### 2022 Academia Sinica Thematic Research Program

A total of 32 applications were submitted for the 2022 Thematic Research Program: 12 from the Division of Mathematics and Physical Sciences; 13 from the Division of Life Sciences; 7 from the Division of Humanities and Social Sciences. Of these, 10 were awarded, including 5 from the Division of Mathematics and Physical Sciences, 3 from the Division of Life Sciences and 2 from the Division of Humanities and Social Sciences were reassigned to the Grand Challenge Program for execution.

Project No.	Project Title	(1) Project PI	Affiliation
		(2) Project Co-PI	
AS-TP-111-	AI Algorithm Analysis for Factors	(1) Cheng-Chung	Institute of Chemistry,
M01	Governing Glycosylation	Wang	Academia Sinica
	Reactions		
AS-TP-111-	Understanding and generation of	(1) Li Su	Institute of Information
M02	audio-visual multimedia content		Science, Academia
	with deep learning	(2) Jen-Chun Lin	Sinica
			Institute of Information
			Science, Academia
			Sinica
AS-TP-111-	Energy and momentum evolution	(1) Cheng-Tien	Institute of Atomic and
M03	of correlated electronic quantum	Chiang	Molecular Sciences,
	states in optically excited solids:		Academia Sinica
	from transient excitons to image		
	potential states		

A. Division of Mathematics and Physical Sciences: (3 Projects)

Project No.	Project Title	(1) Project PI (2) Project Co-PI	Affiliation
AS-TP-111- L01	Deciphering the underlying molecular mechanism of the PR-1 like protein in Ustilago maydis virulence	<ul><li>(1) Lay-Sun Ma</li><li>(2) Yin-Ru Chiang</li></ul>	Institute of Plant and Microbial Biology, Academia Sinica Biodiversity Research Center, Academia
		(2) Chuan-Chih Hsu	Sinica Institute of Plant and Microbial Biology, Academia Sinica
AS-TP-111- L02	Structural impact of phosphorylated nitrate transport NRT1.1 and its interaction with associated proteins	(1) Chwan-Deng Hsiao	Institute of Molecular Biology, Academia Sinica
AS-TP-111- L03	Understanding the behavior and response in corals in the era of changing climate: integrative approaches from ecology to genomics	<ul> <li>(1) Chaolun Allen Chen</li> <li>(2) Jih-Terng Wang</li> <li>(2) Mei-Fang Lin</li> </ul>	Biodiversity Research Center, Academia Sinica Department of Oceanography, National Sun Yat-sen University Department of Marine
		(2) Sung-Yin Yang	Biotechnology and Resources, National Sun Yat-sen University National Museum of Marine Biology and Aquarium

### B. Division of Life Sciences : (3 Projects)

## C. Division of Humanities and Social Sciences: (2 Projects)

Project No.	Project Title	<ul><li>(1) Project PI</li><li>(2) Project Co-PI</li></ul>	Affiliation
AS-TP-111- H01	The rejoining, verification and research of Oracle Bones included in the "Archaeological Data Digital Collection Database" of "Institute of History and Philology, Academia Sinica"	<ul><li>(1) Shih-Hsuan Yen</li><li>(2) Hung-Ming Lin</li></ul>	Institute of History and Philology, Academia Sinica Department of Chinese Literature, National Chengchi University
AS-TP-111- H02	Health for All? The Coronavirus Pandemic and the State Governance of Bionationalism in Taiwan	(1) Yu-Yueh Tsai	Institute of Sociology, Academia Sinica

### 2022 Academia Sinica Grand Challenge Program

A total of 30 applications were submitted for the 2022 Grand Challenge Program: 9 from the Division of Mathematics and Physical Sciences; 17 from the Division of Life Sciences; 4 from the Division of Humanities and Social Sciences. Of these, 10 were awarded, including 3 from the Division of Mathematics and Physical Sciences, 5 from the Division of Life Sciences and 2 from the Division of Humanities and Social Sciences. In addition, 2 Thematic Research Program applications from the Division of Mathematics and Physical Sciences were reassigned to this program for execution.

Project No.	Project Title	(1) Project PI (2) Project Co- PI	Affiliation	Grant Period
AS-GC-111- M01	Ubiquitous Assistive Oral Communication Technologies	<ul> <li>(1)Yu Tsao</li> <li>(2) Hsiao-Lan Sharon Wang</li> <li>(2)Li-Chin Chen</li> <li>(2) Chao-Min Wu</li> </ul>	Research Center for Information Technology Innovation, Academia Sinica Department of Special Education, National Taiwan Normal University Research Center for Information Technology Innovation, Academia Sinica Department of Electrical Engineering, National Central University	4+1
AS-GC-111- M02	A synthetic protein- enabled digital chemical recognition system	<ul><li>(1) Pei-Kuen Wei</li><li>(2) Jung-Hsin Lin</li><li>(2) Hsu-Yi Hsieh</li></ul>	Research Center for Applied Sciences, Academia Sinica Research Center for Applied Sciences, Academia Sinica Research Center for Applied Sciences, Academia Sinica	3+2
AS-GC-111- M03	Decode and Modulate the Sweet Tumor Microenvironment by Micro-to-single Cell Multi-proteomics Station and Targeting Materials	<ol> <li>(1) Yu-Ju Chen</li> <li>(2) Hsiung-Lin Tu</li> <li>(2) Kuo-I Lin</li> <li>(2) Takashi Angata</li> <li>(2) Chun-Cheng Lin</li> </ol>	Institute of Chemistry, Academia Sinica Institute of Chemistry, Academia Sinica Genomics Research Center, Academia Sinica Institute of Biological Chemistry, Academia Sinica Department of Chemistry, National Tsing Hua University	2+3

### A. Division of Mathematics and Physical Sciences: (5 Projects)

AS-GC-111- M04	Reinvigorating Carbon and Main Group Features with Non- Octet Strategy for Sustainable Catalysis	(1) Tiow-Gan Ong	Institute of Chemistry, Academia Sinica	3+2
AS-GC-111- M05	Functionalization and Assembly of Molecular Nanocarbons for Bioengineering	<ol> <li>Hsiao-Hua Yu</li> <li>Kenichiro Itami</li> <li>Hsien-Ming Lee</li> <li>Peilin Chen</li> <li>Shyh-Chyang Luo</li> <li>Yu-Sheng Hsiao</li> </ol>	Institute of Chemistry, Academia Sinica Institute of Chemistry, Academia Sinica Institute of Chemistry, Academia Sinica Institute of Chemistry, Academia Sinica Research Center for Applied Sciences, Academia Sinica Department of Materials Science and Engineering, National Taiwan University Department of Materials Science and Engineering, National Taiwan University of Science and Technology	3+2

### B. Division of Life Sciences : (5 Projects)

Project Title	(1) Project PI (2) Project Co-PI	Affiliation	Grant Period
Towards an integrated understanding of metamorphosis in bilaterians	<ul><li>(1) Jr-Kai Yu</li><li>(2) Vincent Laudet</li><li>(2) Yi-Hsien Su</li></ul>	Institute of Cellular and Organismic Biology, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica Institute of Cellular and Organismic Biology,	4+1
	(2) Stephan Schneider	Academia Sinica Institute of Cellular and Organismic Biology	
Knowledge-based development of an integration-free genome editing platform based on Agrobacterium- mediated transformation by floral-inoculation	<ul><li>(1) Erh-Min Lai</li><li>(2) Chih-Horng Kuo</li><li>(2) Chih-Hang Wu</li></ul>	Institute of Plant and Microbial Biology, Academia Sinica Institute of Plant and Microbial Biology, Academia Sinica Institute of Plant and Microbial Biology, Academia Sinica	2+3
	Project Title Towards an integrated understanding of metamorphosis in bilaterians Knowledge-based development of an integration-free genome editing platform based on Agrobacterium- mediated transformation by floral-inoculation	Project Title(1) Project PI (2) Project Co-PITowards an integrated understanding of metamorphosis in bilaterians(1) Jr-Kai YuDiaterians(2) Vincent Laudet(2) Vincent Laudet(2) Stephan SchneiderKnowledge-based development of an integration-free genome editing(1) Erh-Min Lai (2) Chih-Horng KuoJatform based on Agrobacterium- mediated(2) Chih-Horng KuoKnowledge-tow platform based on Agrobacterium- mediated(2) Chih-Hang Wu	Project Title(1) Project PI (2) Project Co-PIAffiliationTowards an integrated understanding of metamorphosis in bilaterians(1) Jr-Kai YuInstitute of Cellular and Organismic Biology, Academia Sinicabilaterians(2) Vincent LaudetInstitute of Cellular and Organismic Biology, Academia Sinica(2) Yi-Hsien SuInstitute of Cellular and Organismic Biology, Academia Sinica(2) Yi-Hsien SuInstitute of Cellular and Organismic Biology, Academia Sinica(2) Stephan SchneiderInstitute of Cellular and Organismic Biology, Academia SinicaKnowledge-based development of an integration-free genome editing platform based on Agrobacterium- mediated transformation by floral-inoculation(1) Erh-Min LaiKnowledge-based development of an integration-free genome editing platform based on Agrobacterium- mediated transformation by floral-inoculation(2) Chih-Horng Kuo Institute of Plant and Microbial Biology, Academia SinicaMicrobial Biology, Microbial Biology, Microbial Biology, Microbial Biology, Academia SinicaInstitute of Plant and Microbial Biology, Academia Sinica

AS-GC-111-	Mechanistic Studies	(1) Yun-Ru Chen	Genomics Research Center,	
L03	to Elucidate Tau		Academia Sinica	
	Transmission in	(2) Chern, Yijuang	Institute of Biomedical	
	Alzheimer's Disease		Sciences, Academia Sinica	
		(2) Yung-Feng Liao	Institute of Cellular and	
			Organismic Biology,	
			Academia Sinica	
		(2) Yi-Shuian	Institute of Biomedical	
		Huang	Sciences, Academia Sinica	2
		(2) Hung-Chih Kuo	Institute of Cellular and	2
			Organismic Biology,	
			Academia Sinica	
		(2) Yi-Chung Tung	Research Center for	
			Applied Sciences,	
			Academia Sinica	
		(2)Bi-Chang Chen	Research Center for	
			Applied Sciences,	
			Academia Sinica	
AS-GC-111-	Investigation of the	(1) Yi-Shuian	Institute of Biomedical	
L04	pathogenic	Huang	Sciences, Academia Sinica	
	mechanism of	(2) Cheng-Ting	Institute of Molecular	
	CADASIL and	Chien	Biology, Academia Sinica	
	potential therapeutic	(2) Ruey-Bing Yang	Institute of Biomedical	
	•			
	interventions		Sciences, Academia Sinica	2
	interventions	(2) Sung-Chun Tang	Sciences, Academia Sinica Department. of Neurology,	2
	interventions	(2) Sung-Chun Tang	Sciences, Academia Sinica Department. of Neurology, School of Medicine,	2
	interventions	(2) Sung-Chun Tang	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University	2
	interventions	<ul><li>(2) Sung-Chun Tang</li><li>(2) Dennis W</li></ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical	2
	interventions	<ul><li>(2) Sung-Chun Tang</li><li>(2) Dennis W</li><li>Hwang</li></ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica	2
AS-GC-111-	The Stochastic Storm	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W</li> <li>Hwang</li> <li>(1) Ya-Hui Chou</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and	2
AS-GC-111- L05	The Stochastic Storm in the Brain	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W</li> <li>Hwang</li> <li>(1) Ya-Hui Chou</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and Organismic Biology,	2
AS-GC-111- L05	The Stochastic Storm in the Brain	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W Hwang</li> <li>(1) Ya-Hui Chou</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica	2
AS-GC-111- L05	The Stochastic Storm in the Brain	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W Hwang</li> <li>(1) Ya-Hui Chou</li> <li>(2) Wen-Liang</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica Institute of Information	2
AS-GC-111- L05	The Stochastic Storm in the Brain	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W</li> <li>Hwang</li> <li>(1) Ya-Hui Chou</li> <li>(2) Wen-Liang</li> <li>Hwang</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica Institute of Information Science, Academia Sinica	2
AS-GC-111- L05	The Stochastic Storm in the Brain	<ul> <li>(2) Sung-Chun Tang</li> <li>(2) Dennis W Hwang</li> <li>(1) Ya-Hui Chou</li> <li>(2) Wen-Liang Hwang</li> <li>(2) Su-Yun Huang</li> </ul>	Sciences, Academia Sinica Department. of Neurology, School of Medicine, National Taiwan University Institute of Biomedical Sciences, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica Institute of Information Science, Academia Sinica Institute of Statistical	2

### C. Division of Humanities and Social Sciences: (2 Projects)

AS-GC-111- H01	Constructing Social Surveys under the Totalitarian Regime in Contemporary	<ul><li>(1) Chih-Jou Jay</li><li>Chen</li><li>(2) Yuh-Jye Lee</li></ul>	Institute of Sociology, Academia Sinica Research Center for Information Technology	
	China	<ul><li>(2) Jieh-Min Wu</li><li>(2) Thung-Hong Lin</li></ul>	Institute of Sociology, Academia Sinica Institute of Sociology, Academia Sinica	2+3
		(2) Yen-Sheng Chiang	Institute of Sociology, Academia Sinica	
AS-GC-111- H02	The influence of norms on causality and responsibility, and the problem of free will: an investigation from the causal modelling perspective	<ul> <li>(1) Peng-Hsiang</li> <li>Wang</li> <li>(2) Norman Y.</li> <li>Teng</li> <li>(2) Linton Wang</li> <li>(2) Duen-Ming</li> <li>Deng</li> </ul>	Institutum Iurisprudentiae, Academia Sinica Institute of European and American Studies, Academia Sinica Department of Philosophy, National Chung Cheng University Department of Philosophy, National Taiwan University	2+3

### 2022 Grand Challenge Program Seed Grant

2 Career Development Award applications and 1 Investigator Award application were additionally funded as Grand Challenge Program seed grant upon applicant's consent.

A. Division of Mathematics and Physical Sciences: (1 Project)

Project No.	Project Title	<ul><li>(1) Project PI</li><li>(2) Project Co-PI</li></ul>	Affiliation	Grant Period
AS-GCS-	Nonlinear light-	(1) Yu-Chieh Wen	Institute of Physics,	
111-M01	matter interaction of		Academia Sinica	2
	Weyl semimetals			

### B. Division of Life Sciences: (2 Projects)

Project No.	Project Title	<ul><li>(1) Project PI</li><li>(2) Project Co-PI</li></ul>	Affiliation	Grant Period
AS-GCS-	Deciphering the	(1) Wendy W.	Genomics Research	
111-L01	effects of circadian	Hwang-Verslues	Center, Academia Sinica	
	disruption and the			
	functions of core			
	clock gene BMAL1			2
	and BMAL2 in			
	epithelial ovarian			
	cancer			

AS-GCS-	Principles underlying	(1) Wei-Yuan Yang	Institute of Biological	
111-L02	precise organelle		Chemistry, Academia	2
	abundance control		Sinica	

### 2021 Grand Challenge Program 1+4 Project

One Grand Challenge Program Project funded for 1 year (2021) is funded for another 3+1 year upon successful competitive review based on progress report and revised proposal.

Project No.	Project Title	(1) Project PI	Affiliation	Grant
		(2) Project Co-PI		Period
Project No. AS-GC-110- 05	Project Title Investigate the immunosurveillance network in response to oxidative stress associated diseases using multiplexed single-cell technologies and its translational application multiplexed single- cell technologies and its translational application	<ul> <li>(1) Project PI</li> <li>(2) Project Co-PI</li> <li>(1) Shih-Yu Chen</li> <li>(2) Yijuang Chern</li> <li>(2) Ya-Jen Chang</li> <li>(2) Shih-Lei Lai</li> <li>(2) Chia-Wei Li</li> <li>(2) Tai-Ming Ko</li> </ul>	Affiliation Institute of Biomedical Sciences , Academia Sinica Institute of Biomedical Sciences, Academia	Grant Period 3+1
		(2) Kai-Chien Yang	Sinica Institute of Biomedical Sciences, Academia Sinica	

. Division of Life Sciences : (1 Project)