

Results of Applications for the 2017 Integrated Thematic Projects at Academia Sinica Announced

There is a total of 27 applications for the 2017 Thematic Projects (7 from Division of Mathematics and Physical Sciences; 15 from Division of Life Sciences; 5 from Division of Humanities and Social Sciences). The applications require a budget of NT\$277,255,000 in total (NT\$84,785,000 for Division of Mathematics and Physical Sciences; NT\$168,049,000 for Division of Life Sciences; NT\$24,421,000 for Division of Humanities and Social Sciences).

15 out of 27 applications were approved in the meetings of the Second-round Review and Budget Review, including 5 from Division of Mathematics and Physical Sciences, 6 from Division of Life Sciences, and 4 from Division of Humanities and Social Sciences. The total approved budget amounts to NT\$101,451,000 (NT\$32,500,000 for Division of Mathematics and Physical Sciences; NT\$58,500,000 for Division of Life Sciences; NT\$10,451,000 for Division of Humanities and Social Sciences). Please refer to the following table for detailed information. Approved projects may not be executed until budget plans are officially approved.

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

Project No.	Title of Thematic Project	(1) Project Director (3) Co-PI	Institution
AS-106-TP-A01	Study of Novel Superconducting and Lithium-ion Battery Materials	(1) MAW KUEN WU	Institute of Physics, Academia Sinica
AS-106-TP-A02	Development of advanced low-voltage electron spectromicroscopy for characterization of two-dimensional materials and organic molecules	(1) ING-SHOUH HWANG	Institute of Physics, Academia Sinica
AS-106-TP-A03	Nanoscale optofluidics and bioinformatics enabled aptamer and decoy oligonucleotide screening system	(1) CHIA-FU CHOU	Institute of Physics, Academia Sinica
AS-106-TP-A06	Socially Accountable Privacy Framework for Secondary Data Usage	(1) BOW-YAW WANG	Institute of Information Science, Academia Sinica
AS-106-TP-A07	Computational Investigations of Novel Properties of Two-Dimensional Materials	(1) CHING-MING WEI (3) MEI-YIN CHOU	Institute of Atomic and Molecular Sciences, Academia Sinica Institute of Atomic and Molecular Sciences, Academia Sinica

B. Division of Life Sciences : (6 projects)

Project No.	Title of Thematic Project	(1) Project Director (3) Co-PI	Institution
AS-106-TP-B04	Tracking down cell wall biosynthesis and remodeling in bacterial growth, morphogenesis and division	(1) YU-LING SHIH	Institute of Biological Chemistry, Academia Sinica
AS-106-TP-B08	Reactivating immunogenic tumor microenvironment in anti-cancer therapy	(1) NAN-SHIH LIAO	Institute of Molecular Biology, Academia Sinica
AS-106-TP-B09	A molecular genetic study of bipolar I disorder among Taiwanese Han	(1) ANDREW TAI ANN CHENG	Institute of Biomedical Sciences, Academia Sinica
AS-106-TP-B11	Activation and assembly of NLRP3 inflammasome: lysosomal pathways and role of novel NLRP3-interacting molecules	(1) SHIE-LIANG HSIEH (3) CHWAN-DENG (DAVID) HSIAO	Genomics Research Center, Academia Sinica Institute of Molecular Biology, Academia Sinica
AS-106-TP-B13	Elucidating Pathogenic Mechanism of RNA/Protein Mislocalization for Developing Potential Therapeutic and Early Diagnostic Strategies in ALS	(1) JEN-TSE HUANG (3) YI-CHUNG LEE	Institute of Chemistry, Academia Sinica Department of Neurology, Taipei Veterans General Hospital
AS-106-TP-B14	Identifying regulators of maize leaf Kranz leaf anatomy and their regulatory networks	(1) WEN-HSIUNG LI	Biodiversity Research Center, Academia Sinica

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

Project No.	Title of Thematic Project	(1) Project Director (3) Co-PI	Institution
AS-106-TP-C01	The Experience of the West in Modern China and Japan: An Approach from the Perspectives of the Intellectual Link	(1) KWANG-CHE PAN	Institute of Modern History, Academia Sinica
AS-106-TP-C02	Taiwanese Philosophy and the Existential Movement, the Japanese Era	(1) TZU-WEI HUNG	Institute of European and American Studies, Academia Sinica

<p>AS-106-TP-C04</p>	<p>Monks, Merchants, and Diplomats: Transmitters of Cultural Images in Early Modern East Asia</p>	<p>(1) CHAO-HEN LIAO (3) SHENG- CHIH LIN (3) SHIUH- FENG LIU</p>	<p>Institute of Chinese Literature and Philosophy, Academia Sinica Institute of History and Philology, Academia Sinica Research Center for Humanities and Social Sciences, Academia Sinica</p>
<p>AS-106-TP-C05</p>	<p>Tracking Digital Footprints of Network Diversity and Well-being</p>	<p>(1) YANG- CHIH FU (3) HWAI- CHUNG HO (3) JING- SHIANG HWANG</p>	<p>Institute of Sociology, Academia Sinica Institute of Statistical Science, Academia Sinica Institute of Statistical Science, Academia Sinica</p>