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NYCU Young Scientists Honoured with Prestigious 'Ta-You Wu Memorial Award'



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Five young scientists at
National Yang Ming
Chiao Tung University

• Associate
Professor Liang-Yi
Lin is a leading

(NYCU) have been honoured with the prestigious Ta-You Wu Memorial Award, a distinction that recognises their outstanding research achievements. With five recipients, the university secured the second-highest number of awards for a single institution this year, highlighting its remarkable research strength in semiconductors, medicine, environmental engineering, and energy. The recipients include Associate Professors Pei-Hsun Wang, Liang-Yi Lin, Ting-Ting Chang, Yu-Sheng Su, and Assistant Professor Jen-Fan Hang.

The Ta-You Wu Memorial Award, established in 2002 to honour the legacy of physicist Ta-You Wu, is widely considered one of Taiwan's highest honours for young

expert in carbon neutrality and net-zero emissions technologies, including greenhouse gas reduction, low-carbon air pollution control, and the application of renewable and sustainable materials, actively promoting environmental sustainability and green transformation.

- **Associate Professor Ting-Ting Chang's** cardiovascular disease research investigates chemokines' role in disease mechanisms. By integrating clinical and basic research, she is developing potential new drugs to translate research into clinical applications.

scientists under 42.

Each of the five awardees has been recognised for their innovative contributions, with their research not only advancing fundamental science and applied technology but also directly addressing critical societal challenges in healthcare, environmental sustainability, and energy development. This recognition underscores NYCU's deep and forward-thinking academic foundation in cross-disciplinary research.

The awardees' contributions span a wide range of critical fields:

- **Associate Professor Pei-Hsun Wang's** research focuses on silicon photonics, co-packaged optics, and semiconductor

- **Associate Professor Yu-Sheng Su** specializes in energy technology, with research areas encompassing silicon-based anodes, lithium metal, lithium-sulfur batteries, and high-power energy storage technologies. He is advancing the future of sustainable energy by combining battery material design with semiconductor processes.

This significant achievement not only highlights the individual successes of these five scientists but also reflects NYCU's extensive and continually evolving research capabilities across various disciplines. Their work

processes, with breakthrough achievements in high-precision positioning sensors, low-temperature waveguide material development, 4D LiDAR, and non-linear optical theory.

- **Assistant Professor Jen-Fan Hang's** work centers on molecular research of thyroid and head and neck cancers. He completed Taiwan's first generational study of molecular driver genes in papillary thyroid cancer and successfully developed a DEK::AFF2 immunostaining diagnostic tool for head and neck cancers, enhancing the precision of clinical testing.

advances progress in both fundamental science and applied technology, directly impacting important societal issues such as healthcare, environmental sustainability, and energy development. The university expects their research to continue playing a crucial role in improving lives and promoting social advancement.

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