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NYCU Faculty Among World’s Top 2% Scientists: A Testament to Taiwan’s Global Research Power



(Source: Elsevier — World’s Top 2% Scientists 2025)

By Chance Lai

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Stanford University has released its 2025 edition of the “**World’s Top 2% Scientists**” list, recognizing outstanding researchers worldwide based on **citation metrics** and **scientific influence**. National Yang Ming Chiao Tung University (NYCU) proudly counts 152 faculty members among the Career-Long Impact (1960–2024) category and 120 faculty members in the 2024 Annual Impact category—an increase of 10 and 3 scholars respectively from last year—underscoring NYCU’s long-term academic excellence and global research influence across engineering, science, and biomedicine.

Cross-Disciplinary Excellence on the Global Stage

Compiled from the Scopus database, the list evaluates over 230,000 scientists worldwide using six key indicators, including total citations, h-index, and citations as a single or first author. NYCU’s researchers span a broad spectrum—from clinical medicine and ICT to physics, chemistry, and engineering—reflecting the university’s signature strength in “Medicine + Engineering” integration and interdisciplinary innovation.

On the Career-Long list, NYCU’s 152 honorees come from diverse colleges, including Electrical and Computer Engineering, Medicine, Science, Engineering, and Management. Among the 120 faculty featured in the 2024 Annual list, the College of Medicine (40 scholars), College of Electrical and Computer Engineering (22), College of Science (12), and College of Engineering (10) stand out—showcasing NYCU’s complete research chain from basic science to applied technology and clinical translation.

Clinical Medicine: Prof. Liang-Kung Chen Leads Taiwan for Six Consecutive Years

In Clinical Medicine, NYCU researchers continue to shine globally. Prof. Liang-Kung Chen, Director of the Center for Healthy Longevity and Aging Sciences and a professor at the Institute of Hospital and Health Care Administration, ranks No. 1 in Taiwan for the sixth consecutive year and is among the top 2,000 worldwide, holding an impressive No. 3 global ranking in Geriatrics. His pioneering work on aging and longevity has seen continuous growth in both publications and citations, cementing his position as one of Taiwan’s most internationally competitive medical scientists.

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Among Taiwan’s 20 most influential medical scientists, seven are from NYCU—an outstanding ratio that highlights the university’s leadership in clinical and translational medicine. These scholars contribute across fields, including psychiatry, neuroscience, geriatrics, cardiology, oncology, and public health, establishing Taiwan’s global footprint in medical research.

Notably, Prof. Shih-Jen Tsai (Institute of Brain Science) and Prof. Shuu-Jiun Wang (Dean of College of Medicine) both rank among the world’s top 100 in psychiatry and neurological sciences, reinforcing NYCU’s enduring strength in brain research, aging health, and smart medicine.

Research with Impact: Integrating Engineering, Medicine, and Humanities

Beyond individual accolades, NYCU’s strong showing on the Stanford list exemplifies the university’s collective mission to integrate Engineering, Medicine, and Humanities for societal impact. From Prof. Simon M. Sze’s seminal contributions to semiconductor device physics to Prof. Chen’s leadership in geriatric science, NYCU researchers embody a shared commitment to advancing knowledge that transforms both technology and human wellbeing.

Looking ahead, NYCU will continue to strengthen its three flagship research pillars—BioICT Smart Healthcare, Semiconductor Science and Technology, and Sustainable Innovation—driving knowledge into practice and enhancing Taiwan’s strategic position in the global research ecosystem.

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