

# 資訊+醫學 跨校區學院交流活動

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為使本院在資訊領域的專業技術，與陽明校區在醫學相關領域充分的合作，發揮一加一大於二的效果，本院與醫學院、牙醫學院和護理學院於 112 年 2 月 9 日聯合舉辦跨校區交流活動，藉由學術交流及參觀活動，進一步深化資訊與醫學跨領域學習交流。

林奇宏校長為交流活動開場致詞表示，經過疫情的洗禮，加速了很多事情進展，包括醫療型態及教學方式的改變。特別是伴隨科技進步，透過資訊通訊、大數據的技術介入，應用在醫學及公共衛生領域，期待可以達到更好疾病預測，讓醫療服務去集中化，並強化保健及疾病的連結。林校長也指出，數理工程及生物醫學融合的重要性，在陽明交大現有的利基上，未來將在新竹博愛校區推動新的學科「工程生物學」，以培育能實現生物科技、精準醫藥、永續科技的工程生物人才，成為未來醫院的發展基地。

資訊學院曾建超副院長先介紹本院生醫研究相關教授群及智慧健康照護跨域學程學生修課情況。

醫學院凌景峯副院長進一步說明醫學系醫師工程師組及醫學系特色教學「問題導向學習 (Problem-based Learning)」課程。資訊學院陳志成院長表示，感謝護理學院，目前在陽明校區的護理館內設立本院跨校區合作推動辦公室之院辦公室。跨校區辦公室已成立快二年，過去因疫情，交流活動受限，但現在漸漸開放，未來會繼續推動更多跨校區合作交流。醫學院陳震寰院長、牙醫學院高壽延院長、護理學院張秀如院長亦於會議中簡介該學院之研究與未來發展。

交流會最後，兩校區老師一同至軍艦岩健走。軍艦岩海拔約 185.6 公尺，從陽明校區登山口出發，一路石階步道向上，沿途風光明媚，到達山頂後四周可以俯瞰台北盆地、大屯火山群。軍艦岩最特別之處是其地質景觀，由兩千多萬年前沈積的木山層、砂岩、頁岩層交錯組成的，並經長時間的海水沖刷形成白灰砂岩地形。在資訊技術服務中心副主任陳麗芬老師的導覽介紹之下，本院老師對陽明校區有不同的認識，老師們合照留影為本次交流活動畫下完美句點。



# Comuter Science + Medicine Cross-Campus Exchange Activity



In order to facilitate full collaboration between our college's expertise in computer science and the medical-related fields of Yang Ming Campus to achieve synergistic effects, our college jointly organized a cross-campus exchange activity with the College of Medicine, College of Dentistry, and College of Nursing on February 9, 2023. Our goal is to deepen interdisciplinary learning and exchange between computer science and medicine through academic exchanges and visits.

President Chi-Hung Lin delivered an opening speech at the exchange activity, expressing that the COVID-19 pandemic has brought about development in various areas, including changes in healthcare services and medical education. He envisions improving disease prediction, centralizing healthcare services, and strengthening the connection between healthcare and disease prevention through the integration of information and communications technology (ICT) and big data in the fields of medicine and public health. President Lin also emphasized the significance of the integration of engineering and biomedical sciences. Building upon the existing foundation of Yang Ming Chiao Tung University, a new discipline called "Bioengineering" will be established at Bo'ai Campus in Hsinchu. The goal is to nurture skilled individuals in biotechnology, precision medicine, and sustainable technology, and transform the campus into a hub for future hospital advancements.

Vice Dean Chien-Chao Tseng of the College of Computer Science provided an overview of the faculty members in the biomedical field and shared the current student enrollment status in the Cross-Disciplinary Smart Health Care program. Additionally, Vice Dean Jiing-Fong Ling of the College of Medicine further explained the Physician-Engineer Track and highlighted the unique "Problem-based Learning"

curriculum employed in the College of Medicine. Dean Jyh-Cheng Chen of the College of Computer Science expressed gratitude to the College of Nursing for establishing the CCS Promotional Office for Cross-Campus Collaboration within the Nursing Building on the Yang Ming campus. The CCS Promotional Office has been in operation for nearly two years, and despite the challenges posed by the pandemic, exchange activities have gradually resumed. Moving forward, the office will continue to promote cross-campus collaboration. Finally, Dean Chen-Huan Chen of the College of Medicine, Dean Shou-Yen Kao of the College of Dentistry, and Dean Hsiu-ju Chang of the College of Nursing also presented the research and future development of their respective colleges during the meeting.

Upon concluding the exchange activity, faculty members from both campuses took a hike to Junjianyan. The Junjianyan, with an elevation of approximately 185.6 meters, is a scenic spot located in Yangmingshan National Park, Taipei, Taiwan. Starting from the trailhead at Yang Ming Campus, the faculty members hiked along the stone steps, enjoying the beautiful scenery along the way. Upon reaching the mountain top, they could overlook the Taipei Basin and the Datun Volcano Group. What makes Junjianyan unique is its geological landscape, composed of layers of Miocene formations, sandstone, and shale that were deposited over 20 million years ago. These formations have been sculpted by the persistent erosive forces of seawater over time, giving rise to a distinct white-gray sandstone terrain. With a guided tour led by Li-Fen Chen, Deputy Director of NYCU Information Technology Service Center, the faculty members gained a different understanding of Yangmingshan National Park. The exchange activity ended on a high note after they took a group photo to commemorate the event.