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新聞稿 PRESS RELEASE

香港中文大學生物科技學講座教授兼香港生物科技研究院院長林文傑教授最近獲裘槎基金會捐贈二百萬元，以資助其進行一項題為「神經遞質高親和力攝入系統的遺傳重建」的研究計劃。這是香港生物科技研究院於去年成立以來獲得的第一項研究資助。

該項研究計劃是將特定的人類基因移植於小鼠成纖維細胞內，用遺傳工程技術造成細胞系，以幫助了解視覺、學習及記憶等腦功能的細胞機制；該種細胞系亦有助於尋找可治療某些腦病及心血管病的新藥物。最近出版的美國國家科學院學報十二月號就報導了與此有關的研究。這是本港首次利用人鼠轉基因細胞系研究神經系統的訊息處理過程。

該項研究計劃將在香港生物科技研究院設於中大邵逸夫夫人樓的臨時院址進行，研究小組成員除該研究院人員外，還包括中大其他部門人員、以及本港及中國大陸其他科研機構的科學家。

一九八九年十二月二十日

The Croucher Foundation recently announced that Professor Dominic Man-Kit Lam, Professor of Biotechnology at The Chinese University of Hong Kong (CUHK) and Director of the Hong Kong Institute of Biotechnology (HKIB), has been granted HK$2,000,000 to support his research project entitled "Genetic Reconstitution of High-Affinity Uptake Systems for Neurotransmitters". This represents the first research grant received by HKIB.

This work involves the transfer of specific human genes into a mouse fibroblast (skin) cells to construct a specific genetic-engineered cell lines useful for elucidating the molecular mechanism of certain brain functions such as vision, learning and memory. This cell lines are also useful for the discovery of novel pharmaceutical agents against certain brain and cardiovascular diseases. An example of this study was recently published in the December issue of the Proceedings of the National Academy of Sciences, U S A. This research represents the first research programme in Hong Kong that utilises human-mouse transgenic cell lines to study information processing in the nervous system.

The research programme to be supported by the Croucher Foundation will be performed at the temporary site of HKIB which is located at the Lady Shaw Building of CUHK. This work will involve staff members not only from Professor Lam's laboratory but also from other departments at CUHK, as well as scientists from other institutions in Hong Kong and from China.

December 20, 1989