

## 林漢明教授

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香港研究資助局卓越學科領域植物與環境互作基因組研究中心主任

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林漢明教授於 1981 年至 1987 年期間於香港中文大學攻讀生物學士及碩士學位，1992 年獲美國西北大學分子生物學系博士學位，1992 年至 1996 年任紐約大學博士後研究員，現為香港中文大學卓敏生命科學教授、農業生物技術國家重點實驗室（香港中文大學）主任，教資會卓越學科領域植物與環境互作基因組研究中心主任及香港中文大學環境、能源及可持續發展研究所所長。林教授多次榮獲獎項，其中包括香港特別行政區政府榮譽勳章(2023 年)、星島新聞集團傑出領袖選舉(教育/專業/科技及創新組別) (2023 年)、中國國家教育部 2016 年度高等學校科學研究優秀成果獎（科學技術）自然科學獎二等獎(2017 年), 香港中文大學傑出研究學者獎 (2005-2006 年; 2012-2013 年; 2019-2020 年), 浙江省科技進步二等獎 (2007 年), 北京市科技進步獎二等獎 (2001 年), 香港中文大學理學院模範教學獎 (1999-2000 年; 2005-2006 年)等。林教授主要研究氣候智能型和可持續農業、植物和農業生物技術，及作物與環境相互作用的基因組研究。共發表論文逾 230 篇，獲刊載的國際著名科研雜誌包括 *Nature*、*Nature Genetics*、*Nature Communications*、*Nature Plants*、*Nature Food*、*PNAS*、*Lancet*、*Plant Cell*、*Plant Physiology*、*Plant Journal*、*Journal of Biological Chemistry*、*New Phytologist*、*Plant Cell & Environment* 和 *Journal of Experimental Botany* 等。

林教授更與內地科學家攜手合作，將先進技術與傳統智慧結合，其中與甘肅科學家的合作已成功研發四種新的耐逆大豆，並已通過甘肅省有關部門審批，分享予中國西北地區農民使用；而與山西學家的合作，亦成功研發一種牧草綠肥大豆，並已通過山西省有關部門審定。此外，為發展氣候智能型農業以應對全球氣候挑戰，林教授正擴展與全球學者的協作，並分別於南非及巴基斯坦開展了大豆改良種植計劃。

**Prof. Hon-Ming Lam**

Choh-Ming Li Professor of Life Sciences, School of Life Sciences, CUHK

Director, State Key Laboratory of Agrobiotechnology (CUHK)

Director, RGC-Area of Excellence Center for Genomic Studies on Plant-Environment Interaction for Sustainable Agriculture and Food Security

Director, Institute of Environment, Energy and Sustainability, CUHK

Prof. Lam obtained his BSc and MPhil in Biology from The Chinese University of Hong Kong in 1985 and 1987, respectively. After receiving his Ph.D. degree in molecular biology from Northwestern University in the USA, he worked as a post-doctoral fellow at New York University from 1992 to 1996. Prof. Lam is currently the Choh-Ming Li Professor of Life Sciences at The Chinese University of Hong Kong. He is concurrently the Director of the State Key Laboratory of Agrobiotechnology (The Chinese University of Hong Kong), RGC-AoE Center for Genomic Studies on Plant-Environment Interaction for Sustainable Agriculture and Food Security and Institute of Environment, Energy and Sustainability. Prof. Lam's outstanding academic achievements have been recognized by several awards including Medal of Honour by HKSAR Government (2023), SingTao Leader of the Year Award (Education/Professions/Technology & Innovation) (2023), the Higher Education Outstanding Scientific Research Award 2016 (Science and Technology; Second Class) from the Ministry of Education of the People's Republic of China, Research Excellence Award of The Chinese University of Hong Kong (2005-2006; 2012-2013; 2019-2020); Second-Class Award for Science and Technology (Zhejiang Province, China) (2007); Second-Class Award for Scientific and Technological Achievements (Beijing, China) (2001). Professor Lam's research focuses on climate-smart agriculture, plant and agrobiotechnology, and genomic studies on crop-environment interaction. He has published over 230 publications in premier scientific journals including *Nature*, *Nature Genetics*, *Nature Communication*, *PNAS*, *Lancet*, *Plant Cell*, *Plant Physiology*, *Plant Journal*, *Journal of Biological Chemistry*, *New Phytologist*, *Plant Cell & Environmental*, and *Journal of Experiment Botany*, etc.

He has achieved high-impact scientific breakthroughs and the findings, tools, and data developed to contribute significantly to soybean research and breeding. Prof. Lam successfully combined advanced technologies with traditional wisdom to breed new stress-tolerant soybeans. Four stress-tolerant soybeans developed by Prof. Lam and his collaborators have been approved for field application in Northwest China. One forage soybean has also been developed in collaboration with breeders from Shanxi, and approved for application in Shanxi Province. Besides, to address global climate challenges through climate smart agriculture, Professor Lam is extending his research

collaboration and initiated cultivation and breeding programs for soybean improvement in South Africa and Pakistan.

