

Dr Rio Sugimura

Biography

Dr Rio Sugimura is recognized for his outstanding contributions to the field of hematology, immunology, and stem cell biology. His lab has two branches. One focuses on understanding the optimal structure and induction strategies of CAR in immune cells from human pluripotent stem cells at HKSTP. The other is on dissecting fundamental mechanisms of human immune cell development and the role of checkpoints using single-cell multi-omics approach, Tumors-on-Chips, and assembloids at HKUMed. Dr Sugimura is a Director of the Blood Engineering Laboratory, a Principal Investigator of the Centre for Translational Stem Cell Biology, and an Assistant Professor of HKUMed. He is an expert in stem cell differentiation, organoids, single-cell technology, and synthetic biology. He has received the Genius Award from the Japanese Young Hematologist Society, the Young Investigator Competition Award from Karger, the Gilead Liver Disease Program, and the March of Dimes Scholar. He holds HKU Deeptech 100 from iDendron and HKSTP to support his spin-off SynHealer.

杉村竜一 Rio Sugimura 博士因其在血液學、免疫學和幹細胞生物學領域的傑出貢獻而廣受讚譽。他的實驗室有兩大研究方向，一是研究從人類多能幹細胞得到免疫細胞的誘導分化策略和優化嵌合抗原受體 (CAR) 結構，實驗室位於香港科學園區；另一方向是利用單細胞和空間多組學技術、腫瘤晶片 (Tumors-on-Chips) 和組裝體 (assembloids) 研究人類免疫細胞發育的基本機制和免疫檢查點的作用，實驗室位於香港大學李嘉誠醫學院。Sugimura 博士是香港大學李嘉誠醫學院助理教授、血液工程實驗室主任、香港幹細胞轉化研究中心首席研究員，他是乾細胞分化、類器官、單細胞組學技術和合成生物學的專家。他曾獲日本青年血液學會天才獎、Karger 青年研究員獎項、Gilead 肝病計劃獎和美國 March of Dimes 獎學金。同時，他成功入選香港大學 Deeptech100 (由香港大學 iDendron 和香港科學園區資助) 孵化計劃以支持他的免疫細胞治療新創公司 SynHealer