



BIOMEDICAL TECHNOLOGY



萬能幹細胞複製心臟造福病人 Stem Cell Technology with a Heart for Innovation

人體由無數細胞組成，其中具有「再生」特性，可變成身體任何組織的細胞，便是「萬能幹細胞」。再心生物科技有限公司創辦人李登偉教授領導的科研團隊曾用「萬能幹細胞」製造大量心臟肌肉細胞，成功研發全球首個如拇指般大的迷你人類心臟，為研製與實物大小相若的人類心臟打好基礎，期望最終能以人造器官解決器官捐贈不足的問題。迷你心臟更提供了可靠的試藥平台，為研製新藥帶來革命性影響。

The human body is composed of countless cells: 'pluripotent' stem cells are those that can regenerate themselves perpetually as well as develop into any tissue type in the body. The world-class scientific team at Novoheart, led by co-founder Professor Ronald Li, has successfully produced large quantities of heart muscle cells from human pluripotent stem cells, and using these heart muscle cells, they assembled the world's first thumb-sized human "Mini-Heart". This paves the way to the production of live sized human hearts as a potential solution to the shortage of transplant donors. It also provides an unprecedented screening platform to revolutionize the discovery and development of new drugs and therapeutics.

* 再心生物科技有限公司於2014年8月正式進駐科學園。如欲瀏覽更多資料，請掃描QR碼。

* Novoheart was established in Hong Kong Science Park in August, 2014.
More information is available by scanning the QR code.

