

Canterbury Medical Research Foundation

Final report for Project Grant 2017PROKhoonLim

Grant recipient

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Grant details

GRANT TYPE Project Grant
GRANT REFERENCE 2017PROKhoonLim

FUNDING ROUND 2017 Major Project Grant \$97.355

Final report

1. Report for the Scientific Assessing Committee

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Lim CMRF report 2017PROKhoon Final report.pdf

2. Brief summary

Articular cartilage has a limited regenerative capacity, and few approaches employed clinically are capable of restoring long-term function. This research is focused on bridging the gap between regenerative medicine and the clinic by developing improved cell therapy strategies and advanced 3D printing scaffold technique for repairing damaged cartilage. A proof-of-concept study was successful completed, where tissue engineered cartilage constructs were able to be fabricated using cutting-edge biofabrication technologies, where patients' own cells were combined with biomaterials, to recapitulate the architecture, zonal distribution and intrinsic mechanical properties of native cartilage.

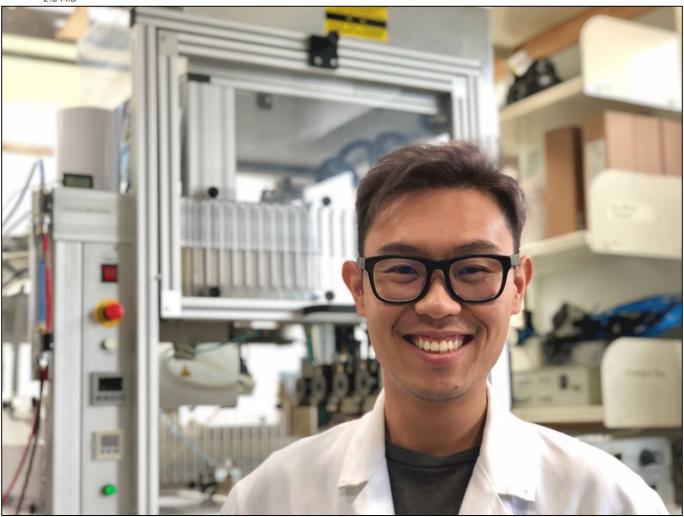
3. Photographs

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5. Feedback

Publication

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