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Thesis Title:

Ex vivo investigation of novel wound healing therapies and development of a 3-D human skin equivalent wound model.

Supervisors:

Professor Zee Upton (Principal)

A/Professor David Leavesley (Associate)

Citation:

This project created the first defined and reproducible partial-thickness human skin equivalent wound model with the defect of a specified depth and size. These models will advance our understanding of human skin repair, regeneration and maintenance processes, and provide a relevant tool for assessment of potential wound healing therapies. Furthermore, the utility of these models will decrease our reliance on the use of animals for scientific experimentation.