



Challenge 37: STRATIS

Q. Is there a preference for an *ex vivo* or an *in vitro* model?

A. The Sponsors have no preference between *ex vivo* or *in vitro*. The aim is to develop a model which can be used to study regeneration after injury to deep tissue structures, and which can be subjected to additional mechanical insult.

Q. How are morphological data (shape / size of wounds) currently measured?

A. Wounds are assessed morphologically using a number of methods. For example, by completing a Lund and Bowder chart for burn area estimation or through measuring the length/breadth/depth of the wound with a ruler, digital planimetry or 3D cameras/scanning.

Q. Is the model of wound healing primarily concerned with replication of tissue or is inflammation and recruitment of immune cells an expected readout?

A. This challenge is seeking the development of a human-relevant model to study regeneration after injury to deep tissue structures. As far as is practicable, outcome measures should be correlated to clinical data. Outcomes related to replication of tissue and inflammation/recruitment of immune cells are both of interest, if supported by the model, although those related to the recruitment of immune cells are not necessarily expected.

Q. I have expertise in certain areas, but not in all areas that are required to solve the Challenge. How can I find other expertise?

A. Speak to the NC3Rs office (crackitenquiries@nc3rs.org.uk) and we will do our best to help connect you with the expertise you are seeking. You can also make use of the [Challenge-specific LinkedIn pages](#) that have been established.

Q. Who should we email with questions?

A. General questions can be sent to the NC3Rs. Questions regarding a specific Challenge can be sent to the Sponsors, but enquiries should be sent to ALL Sponsor parties for a Challenge. If preferred, please email the NC3Rs to introduce you to the Sponsors at crackitenquiries@nc3rs.org.uk