**TABLE OF REQUIRED REAGENTS/MATERIALS USED**

Required Specimens

* One in vivo or ex vivo sample will be used at the discretion of the user. For the present manuscript we used a single Lobund-Wistar rat for in vivo imaging, and one New Zealand White Rabbit skull for ex vivo specimen CT.

Required Equipment

* One small animal X-ray micro-CT is required. For the present manuscript, we used the CT of an Albira PET/SPECT/CT (Carestream Molecular Imaging, Woodbridge, CT).

Required Programs

* Albira Image Acquisition Software
* PMOD v3.2
* ImageJ v1.44p
* Meshlab Meshlab v1.3.1
* Netfabb Studio Basic 4.9
* ReplicatorG