

Stereology: Friday 6<sup>th</sup> July 10.00

This hands-on practical session will be run in collaboration with Visiopharm Ltd. Stereology is the method by which unbiased estimates of 3-dimensional parameters can be obtained from 2-dimensional histological sections. It is becoming increasingly essential in the quantification of placental changes in response to pathology or genetic manipulation. The session will start by considering specimen collection, preparation and sampling. Various exercises will introduce participants to the methodology of measuring component volumes, surface area, length, interhaemal membrane thickness and cell number. The techniques described are equally applicable to the mouse and human placentas, and emphasis will be placed on efficiency and accuracy.

*Prof. Graham Burton*