Calibration is the process of using physical data to estimate the tuning parameters in computational models. This PhD project will help to quantify how confident we can be about the outcomes of using a computer model for cardiac electrophysiology models by first quantifying our confidence in the clinical recordings and measuring biological variability. This knowledge is essential if the model is used to guide clinical decision-making to ensure patient safety. This project will be carried out in collaboration with a team at Imperial College London.