



# KSOP-QMat Summer School 2020

## **Adventures in Diffuse Optical Imaging**

**Hamid Deghani**

University of Birmingham

Diffuse optical imaging of tissue can be used to characterize molecular features of tissue for the detection, diagnosis, and/or management of disease. We will review the development of this technique and outline some of the applications in medical imaging. Current developments in technical and computational approaches for breast cancer imaging, functional imaging of the human brain and monitoring inflammation in Rheumatoid arthritis will be presented.