

MSc in Advanced Discoulting

Biomedical

Imaging

One of the world's most advanced experimental imaging centres

State-of-the-art imaging for biological & medical research. Cross-disciplinary subjects, approach and training

One year taught course with research project.

Bursaries available!

Contact med.abi@ucl.ac.uk

- Interactive teaching
- Hands-on research projects
- Leading science communication
- > Excellent career options



Course leads

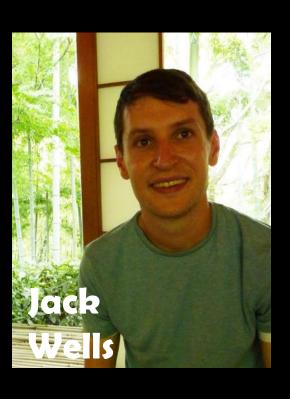




Alun Coker



Daniel Stuckey

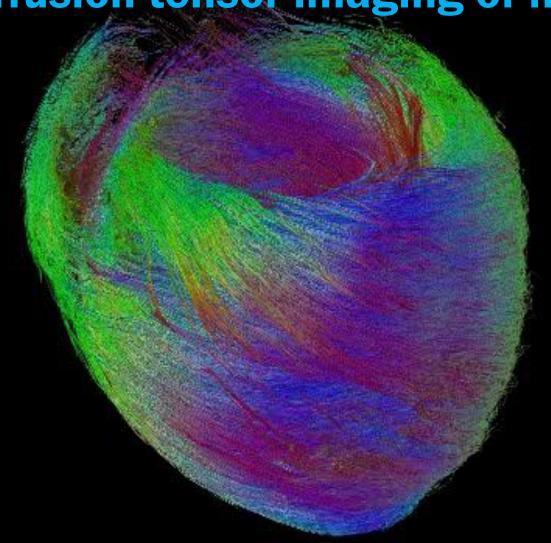






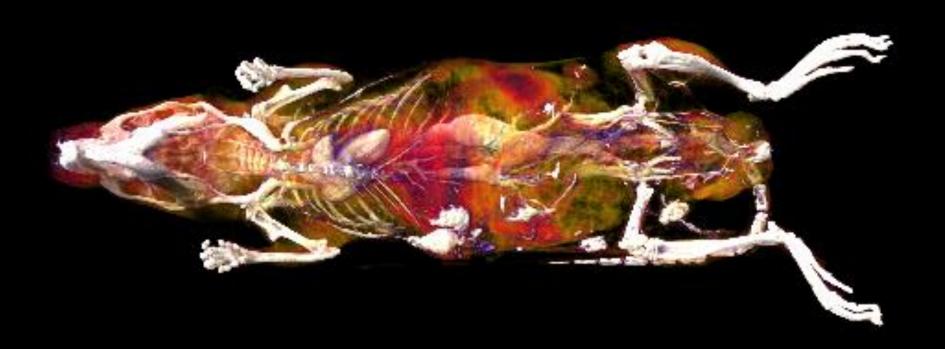


MRI – diffusion tensor imaging of heart





Gold contrast computer tomography (CT)





SPECT – single photon emission CT

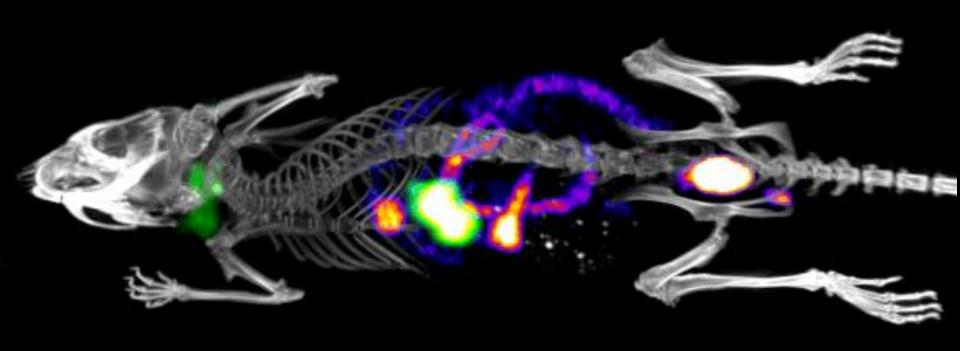
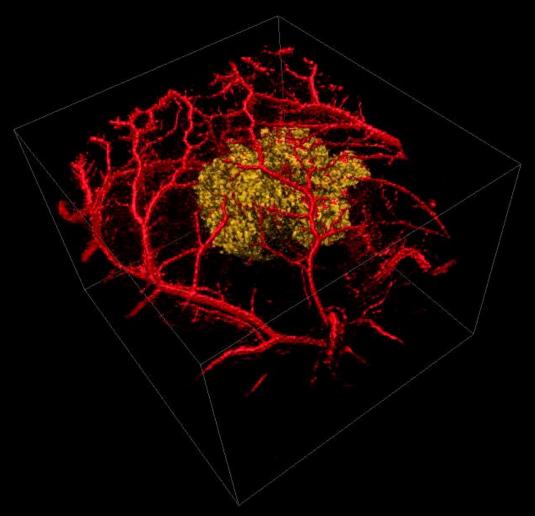




Photo acoustic imaging - cell tracking





Hands-on imaging experience





















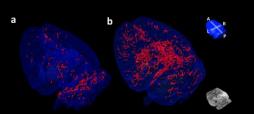




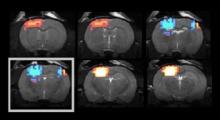
Translational Imaging Applications

Neurology

Iron oxide labelled VCAM antibodies

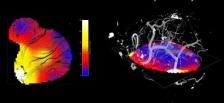


Opto-MRI

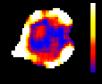


Oncology

extra-vascular convection (EVAC) MRI



GlucoseCEST MRI



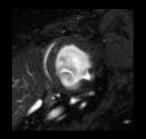
 ${\sf glucoseCEST}$



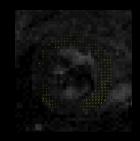
¹⁸F-FDG

Cardiology

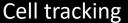
Cine-MRI



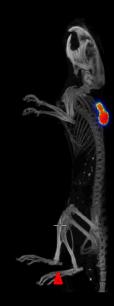
DENSE-MRI



Diffusion tensor MRI

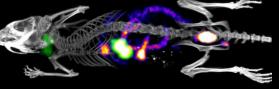


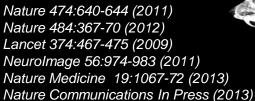
PET - CT



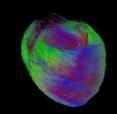
Bioluminescence - Xray

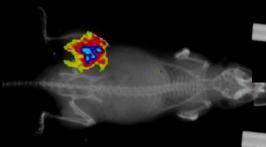






Cancer Research 69:8862-7 (2009)





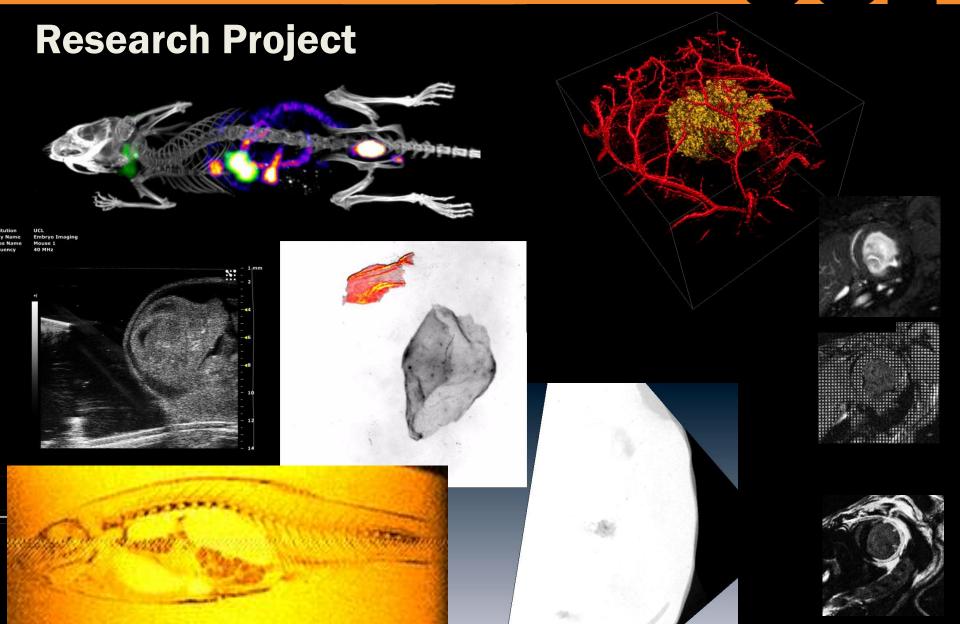


Course structure

- Advanced Biomedical Imaging Techniques I & II
- Practical Preclinical Research (includes home Office licence)
- Statistical Methods in Research
- Translational Biomedical Imaging of Disease & Therapy I & II
- Precision Diagnosis for Precision Medicine
- Science Communication for Biomedicine
- Research Project









Employability

PhD Programmes



EPSRC Centre for Doctoral Training in Medical Imaging





Employability







- PhD Programmes
- Research positions in academia





AMFOR























Employability

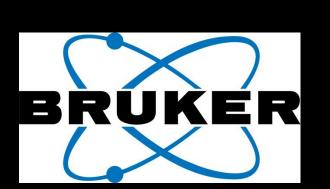
- PhD Programmes
- Research positions in academia
- Research positions in industry





















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