Dr Richard Grose

Research Interests
Our main research areas are in growth factor signalling in breast, endometrial and pancreatic cancer. Specifically, we are investigating how Fibroblast Growth Factors (FGFs) and their receptors (FGFRs), which play critical roles during development, are hijacked by cancer cells to drive tumourigenesis.

Our main research interests are:

• Nuclear trafficking of FGFRs: Our goals are to dissect the mechanisms controlling FGFR proteolytic cleavage and trafficking, and to identify novel putative targets to block the pro-invasive effects of nuclear FGFR signalling.
• FGFR signaling in cancer–stromal crosstalk: Investigating the FGFR dependent communication between cancer cells and stellate cells in pancreatic cancer invasion.
• Dissecting mechanisms of resistance to FGFR inhibition: Using phosphoproteomic approaches to identify pathways that mediate resistance to FGFR inhibition in cancers driven by FGFR mutations.

Major Funders
• Breast Cancer Campaign
• Pancreatic Cancer Research Fund
• Cancer Research UK

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