

# IMAGING & MATHEMATICS

15<sup>th</sup> May, 2-5pm  
CRUK CI lecture theatre

a workshop and open forum for scientists  
to discuss imaging problems and solutions

Speakers:

**Yao Lin (CRUK CI)**

**Anne Trinh (CRUK CI)**

**Martin Burger (Münster)**

**Edward Morrissey (CRUK CI)**

**Rachel Hegemann (Münster)**

**Carola Schönlieb (DAMTP)**

Open to all!

organisers:

Carola Schönlieb (DAMTP) & Stefanie Reichelt (CRUK CI)

This event is funded by the Royal Society and KAUST

first imaging and mathematics workshop

15th May, 2-5pm

at the CRUK Cambridge Institute.

The workshop format is not a scientific meeting,  
but a very practical discussion day.

We have chosen six speakers with imaging projects, questions or software  
developments, which might benefit from input from mathematicians and bio-  
informaticians and also software and algorithm developers.

The aim is to have short presentations and a lot of discussions.  
This should be the first of a series of events.

There will be tea and cakes in the break.

Carola Schönlieb & Stefanie Reichelt

## Session 1: 2-3pm

**Yao Lin:** "Monitoring mitosis in response to drugs  
using live cell imaging" do?

**Rachel Hegemann:** Automatically identifying cells undergoing  
mitosis in phase-contrast microscopic images

**Anne Trinh:** "Zooming in to see the bigger picture:  
Predicting patient outcome from tissue architecture"

## tea break

## Session 2: 3:30-4:30pm

**Edward Morrissey:** "Image processing macroscopic  
murine intestine images using R"

**Martin Burger:** Analyzing cell structure  
with Raman microspectroscopy

**Carola Schönlieb:** Analysing collagen in microscopy images -

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