

# Spring Term 2010

**Monday 15 February 2010**

## **Bioimaging Day**

Organisers: Markus Kirkilionis and Till Bretschnider

All talks will be in Room B3.02, Mathematics Institute, University of Warwick

- 12:05-12:10 *Introduction*
- 12:10-12:50 **Tim Nattkemper** (Biodata Mining & Applied Neuroinformatics Group, University of Bielefeld)  
*Structural analysis of bioimages for life sciences and medicine*
- 12:50-13:10 **Mike Khan/Sayan Bhattacharya** (Biomedical Research Institute)  
*Identification of novel biomarkers for colon cancer by simultaneous co-analysis of multiple stem cell epitopes in individual tissue sections*
- 13:15-14:15 Lunch in the Mathematics Institute Common Room
- 14:15-14:55 **Chris Taylor** (Imaging Sciences Research Group, University of Manchester)
- 14:55-15:25 **Andrew Blanks/Anatoly Shmygol** (Clinical Sciences Research Institute)  
*Nuclear safety in cells: imaging cellular organelles and Ca microdomains*
- 15:25-15:45 **Chengjin Du** (Systems Biology, Warwick)  
*Interactive cell segmentation via constrained density weighted Nyström method and geodesic commute distance*
- 15:50-16:20 Tea in the Mathematics Institute Common Room
- 16:20-17:05 **Rob Cross/Andrew McAinsh/Anne Straube** (Centre for Mechanochemical Cell Biology)  
*Bioimaging@CMCB, the new Centre for Mechanochemical Cell Biology, Warwick*
- 17:05-17:25 **Nasir Rajpoot** (Computer Science, Warwick)  
*A Bayesian approach to finding cell constellations in histology images*
- 17:30 Drinks and snacks in the Mathematics Institute Common Room

Talks will be held in the Mathematics Institute, Zeeman Building, University of Warwick  
For detailed MIR@W programmes please see our website: [go.warwick.ac.uk/miraw/days](http://go.warwick.ac.uk/miraw/days)