

**Date:** Thursday, 02 July 2015  
**Time:** 5.30 - 7.00 pm  
**Venue:** New Law Lecture Theatre 024, The University of Sydney

To celebrate the **International Year of Light**, CUDOS is **hosting a set of presentations** describing how scientific breakthroughs in the understanding of light have changed and improved our lives. Using **Nobel prizes awarded for light-related research** as a guide, an inspirational set of expert speakers will discuss how our understanding of light has changed since the early 20<sup>th</sup> century, how this understanding has helped change society for the better, and how it helps us understand our place on earth and beyond.

## **SPEAKER: MATÉ BIRO**

### **Shedding light on life through a powerful lens: the microscope**



Dr Maté Biro is Head of Cellular Mechanobiology, Immune Imaging Program at the Centenary Institute of cancer medicine and cell biology situated at the University of Sydney. One of his main interests is investigating the movement of tumour cells and immune cells, using lasers and microscopes to understand how the cytoskeleton allows cancer cells to break away from main tumours and invade surrounding tissue.

He uses a multidisciplinary approach encompassing cell biology, biophysics, bioimage informatics and advanced light microscopy to uncover fundamental cellular processes and develop new methodologies in basic cancer research.

Following the presentation light refreshments will be served. You can also get a taste of what it's like to be a Microscopist by trying out digital microscopes from the Australian Centre for Microscopy and Microanalysis where you can view tissue sections, bugs and other bits at micro-scale!

Registration is not required but please arrive early as seating is limited.

Maté obtained his PhD with summa cum laude at the Max Planck Institute of Molecular Cell Biology and Genetics in Dresden, Germany, in 2011. His doctoral thesis is entitled "Mechanics and Regulation of Cell Cortex Assembly". He has previously worked in the Imaging Informatics division at the Bioinformatics Institute of A\*STAR in Singapore, at the MIT BiImaging Center in Cambridge, MA, USA and in the Belle collaboration at the KEK: High Energy Accelerator Research Organisation in Tsukuba, Japan.

For further information visit our webpage at  
[www.cudos.org.au/nobelprizesForLight](http://www.cudos.org.au/nobelprizesForLight)

