



UNSW  
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EMBL  
Australia  
Single Molecule  
Science



## EMBL Australia @ UNSW

John B Reid Theatre (AGSM G27)

**Tuesday, 29<sup>th</sup> May 2018**

8:50 am – 3:40 pm

<i>Time</i>	<i>Speaker</i>	
8.50 am		<b>Welcome</b> Rodney Phillips, Dean of Medicine, UNSW
9.00 am	<b>Martin Stewart</b> MIT	Towards new tools for analyzing cell properties and engineering cell function
9.40am	<b>Amina Qutub</b> Rice University	Engineering Design Principles of Neural Cells
10.20 am		<b>Coffee</b>
10.50 am	<b>Chris Tan</b> A*STAR Singapore	Repurposing a drug-target deconvolution technology for en masse monitoring of protein interaction states and dynamics in intact cells and tissues
11.30 am	<b>Richard Morris</b> National Centre for Biological Sciences, India	From mechanics to information: examples of the interface between physics and biology
12:10 pm	<b>Alistair Stewart</b> Victor Chang Cardiac Research Institute	Understanding <i>E. coli</i> ATP synthase
12:50 pm		<b>Lunch</b>
1.50 pm	<b>Lan Nguyen</b> Monash University	Predictive network modelling: a modern tool for signalling and therapeutic research
2.30 pm	<b>Zach Katz</b> Salk Institute	Single Molecule Tracking and Mapping of RNA and Protein regulation
3.10 pm	<b>Miguel Coelho</b> Harvard	Experimental evolution of genetic instability: accelerating adaptation and resistance