



SAIP BIOPHYSICS WINTER SCHOOL PROGRAMME

4th JULY 2016

UNIVERSITY OF CAPE TOWN, KRAMER LT3

Chair: Tjaart Krüger

TIME	TOPIC/TITLE	PRESENTER
9:00 – 10:00	Biological photovoltaic building blocks for solar energy harvesting	Raoul Frese (VU University Amsterdam)
10:00 – 10:30	The cytoskeleton and membrane: thermal and mechanical properties I	Kristian Müller-Nedebock (SU)
Tea		
11:00 – 11:30	The cytoskeleton and membrane: thermal and mechanical properties II	Kristian Müller-Nedebock (SU)
11:30 – 12:15	Single-molecule spectroscopy: Beyond the ensemble average	Tjaart Krüger (UP)
12:15 – 13:00	Higher order structures and noise filtering in biological signal cascades	Musa Mhlanga (UCT)
Lunch		
14:00 – 14:40	Structure and Affinity of Protein Complexes in Infectious Diseases	Wolf-Dieter Schubert (UP)
14:40 – 15:20	Studying large (>400 kDa) macromolecular complexes	Jeremy Woodward (UCT)
15:20 – 16:00	An experimental physicist's view of enzyme reaction mechanisms	Trevor Sewell (UCT)
Tea		