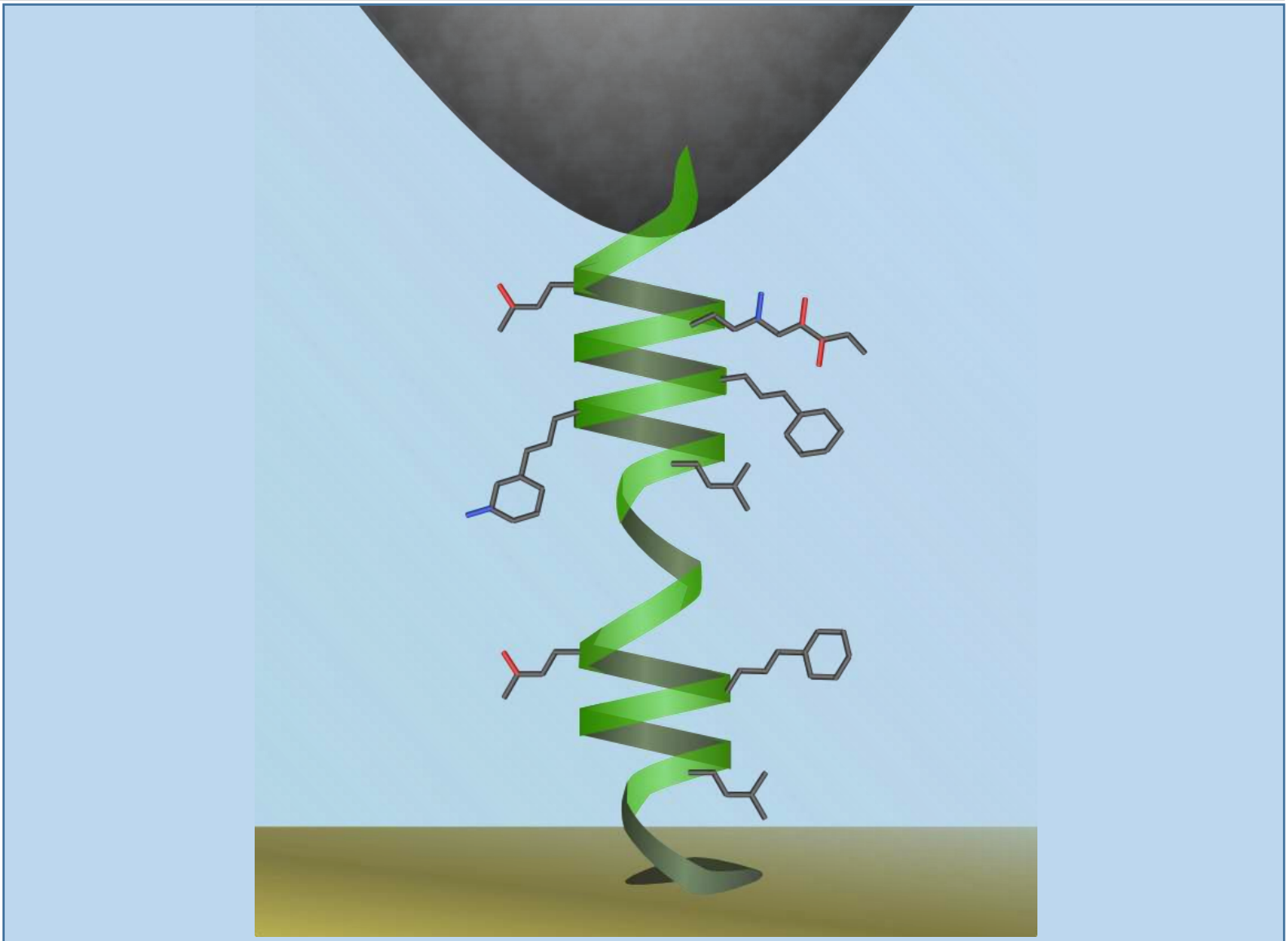
Workshop on AFM,

Melbourne, Australia



PROGRAMM

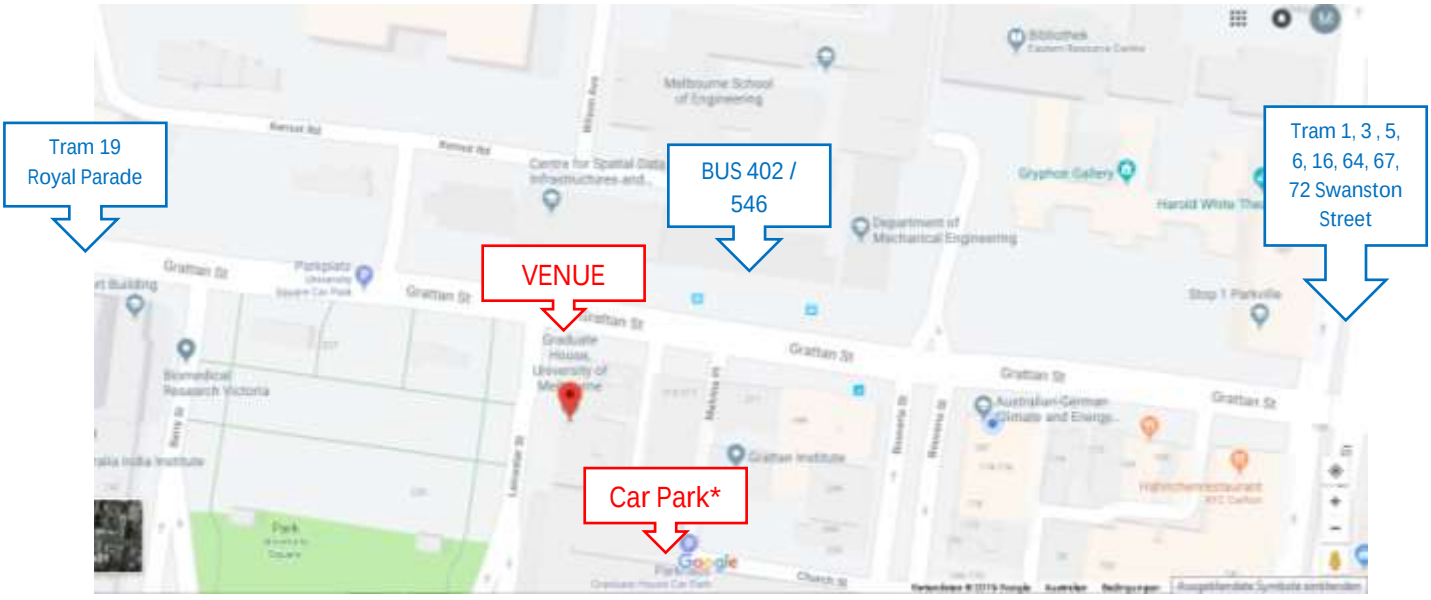
Tuesday 12th February 09:00 am-1:00 pm

TIME	AGENDA	SPEAKER
09:00	***Start of Workshop***	
	Welcome Introduction of Participants	
09:10	***#1 AFM Session***	
09:10	Key Note #1 & Discussion Combining Nanofluidics and AFM to probe and manipulate soft matter	Prof. Georg Papastavrou
09:40	Talk & Discussion Mechanics of microcapsules measured using AFM	Dr. Shane Meaney
10:00	Key Note #2 & Discussion Why and When will drops and bubbles coalesce	Prof. Ray Dagastine
10:30	Key Note #3 & Discussion Molecular mechanics of lubricin measured with AFM	Dr. Wren Greene
11:00	***-JOINT MORNING TEA WITH EXCITON SCIENCE GROUP-***	
11:20	***#2 AFM Session***	
11:20	Talk & Discussion Conductive AFM to Schottky barriers, resistive switching behaviour, and hot electron transport	Dr. Calum Kinnear
11:40	Talk & Discussion Microcapsule mechanics and their adhesion forces to textile fibers	Inga Melnyk
12:00	***-JOINT LUNCH WITH EXCITON SCIENCE GROUP-***	
12:00pm	***Talk Ole Mouritson***	

Venue for WORKSHOP ON AFM

GRADUATE UNION
of The University of Melbourne

Venue	Cochran & Talyor Room (on the right side after the reception) Graduate House 220 Leicester Street Carlton, Victoria
Time	Tuesday 12th January 2019 - 09:00 - 13:00



Participants

NETWORK MEMBER	UNIVERSITY /INSTITUTION /DEPARTMENT	POSITION /RESEARCH INTEREST
	*Dr. Rico Tabor* *Monash University* *School of Chemistry*	*Functional colloidal materials for self- and directed assembly*
	*Dr. Shane Meaney* *Monash University* *School of Chemistry*	*Synthesis and characterisation of robust emulsion-templated silica microcapsules*
	*Prof. Dr. Raymond Dagastine* *University of Melbourne* *Department of Chemical Engineering*	*Atomic Force Microscopy and surface characterization, Brownian Dynamics of Particles, Chemical Product Formulation, Dynamic forces in soft matter, Emulsions and Foams, Micro-Cantilever fabrication*
	*Dr. Calum Kinnear* *CSIRO*	*Nanoparticles, plasmonics, hybrid nanomaterials, functional nanostructures*
	*Dr. Wren Greene* *Deakin University* *Institute for Frontier Materials*	*Surface force measurements, device preparation, biological lubrication and tribology*
	*Prof. Dr. Georg Papastavrou* *University of Bayreuth* *Physical Chemistry II*	*Chair of Physical Chemistry II, Faculty of Biology, Chemistry & Earth Sciences* Materials Physics, Biophysics, Atomic Force Microscopy
	*Inga Melnyk* *Leibniz-Institute of Polymer Research Dresden (IPF)*	*PhD Candidate Prof. Andreas Fery* *Institute for Physical Chemistry and Polymer Physics*

Attendees

NETWORK STUDENT	UNIVERSITY /INSTITUTION /DEPARTMENT	POSITION /RESEARCH INTEREST
Avinash Ashok	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Tianyi Bai	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Matthew Biviano	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Yannik Brasse	*Leibniz-Institute of Polymer Research Dresden (IPF)*	*PhD Candidate Prof. Andreas Fery* *Institute for Physical Chemistry and Polymer Physics*
Tanweepriya Das	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Emily Jamieson	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Dines Srikar Karra	*University of Melbourne*	*PhD Candidate of Prof. Raymond Dagastine* *Department of Chemical Engineering*
Sarah Lentz	*University of Bayreuth (Thomas Scheibel)*	*PhD Candidate Prof. Thomas Scheibel* *Chair of Biomaterials, Faculty of Engineering Science*
Kai Mayer	*University of Bayreuth (Thomas Scheibel)* *University of Melbourne (Andrea O'Connor)*	*Master Student Prof. Thomas Scheibel* *Chair of Biomaterials, Faculty of Engineering Science* Protein-based Materials
Ekaterina Ponomareva	*Heinrich Heine University of Düsseldorf* *Faculty of Mathematics and Natural Sciences*	*PhD Candidate Matthias Karg* *Physical Chemistry I, Colloids and Nanooptics* Synthesis, characterization and application of colloids
David Sonnleitner	*University of Bayreuth*	*PhD Candidate Prof. Thomas Scheibel* *Chair of Biomaterials, Faculty of Engineering Science*
Vanessa Trossmann	*University of Bayreuth*	*PhD Candidate Prof. Thomas Scheibel* *Chair of Biomaterials, Faculty of Engineering Science*