



Poster Session

Monday 11 November

1	Madan Kumar Chapagai	The University of Queensland	Characterization of modified wheat starch as a depressant during mineral flotation
2	Yan Ding	Shanghai University	Thermoresponsive Dendronized Gelatins
3	Li Xiao	Shanghai University	Helical Conformation Switching of Polyisocyanides Driven Through Thermally-Induced Aggregation
4	Lukas Michalek*	Queensland University of Technology	How to graft to? – From Understanding the Limits of Surface Grafting to Quantifying the Effect of Solvent Quality
5	Gagandeep Ahluwalia	University of Melbourne	Amphiphilic Block Copolymers for Morphological Control in Bulk Heterojunction Solar Cells
6	Yen Theng Cheng	The University of Sydney	Polymer Brush-Guided Templating of Nanostructured Titania for Electrode Materials
7	Patrice Castignolles	Western Sydney University	Characterisation of chitosan, chitosan films for cell culture and chitosan particles for drug delivery
8	Georgina Psaltis	Australian National University	Synthesis of sustainable and degradable polymers using dynamic imine and oxime bonds
9	Caroline Bray	CSIRO	Side-Chain Liquid Crystal Polymers for New Emerging Technologies
10	Sahar Dehkhoda	Material and Energy Research Centre	Extraction of Cellulose Nanoparticles from Oat Husks
11	Honey Gupta	University of Canterbury	Protein based novel bio-aerogels: Preparation, characterisation and potential applications.
12	Karen Hakobyan	University of Sydney	Visible-Light-Driven Polymerisation using Xanthates and Semiconductor Photocatalysts
13	Dhanya Karipal Padinjare Veedu	Australian National University	Electrochemical Functionalization of Polymers
14	Abhishek Singh	Monash University	Understanding the Mechanism of Oxidative Polymerisation of Phenols
15	Solmaz Zamani	The University of Melbourne	Propylmethacrylate monomers functionalised with protected nucleosides with a phosphite triester linkage containing the nucleobases adenine, cytosine, and thymine
16	Camille Bakkali-Hassani*	Monash University	N-Heterocyclic Carbene Organocatalyzed Ring-Opening Polymerization of N-Tosyl Aziridines
17	Shiyang Lin	University of New South Wales	Discriminatory Photo-Activation of Diastereomeric RAFT Agents
18	Ashwani Kumar	Australian National University	Artificial catalytic triad-based hydrolase surfactant towards transesterification catalysis
19	Alexandra Mutch	The University of Queensland	Surface modification of polycaprolactone for enhanced protein binding
20	Thomas Pattison	The University of Melbourne	AFM-facilitated three-dimensional nanoprinting of surface reactive polymers
21	Karuna Veeramani*	Monash University	Porous catalytic polymers for the scale-up of industrial processes
22	Cindy Xiao*	Monash Institute of Pharmaceutical Sciences	Formation of Polymeric Nanocapsules with High-Aspect Ratio via Vesicle-templated RAFT Polymerisation and Investigation of Their Interactions with Cells
23	Diwei Ho	The University of Western Australia	Hydrogel platform with independently tailorable mechanical properties for directing stem cell fate



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25	Donghwan Cho	Kumoh National Institute of Technology	Effects of Fabric Pattern, Carbon Nanoparticle, and Load Transfer Direction on the Properties of Carbon Fabric/Vinyl Ester Composites
26	Hima Haridevan	Australian Institute of Biotechnology and Nanotechnology	Influence of bio-derived materials on the microstructure of rigid polyurethane foam at different scales
27	Derya Ozyurt	Swinburne University	Synthesis of Graphene Quantum Dots from Low Cost Materials and Fabrication of Nanocomposites
28	Ming Li Tan*	Australian National University	Spider silk mimicry via tunable block copolymers
29	Nawfel Abdullah	Australian Institute for Bioengineering and Nanotechnology	Nasal to brain delivery through designed functional polymeric nanocarriers
30	Jose Barreto	Waters	The Use of Desorption Electrospray Ionisation (DESI) Mass Spectrometry Imaging (MSI) for Direct Drug Analysis in Polymeric Implants
31	Weijing Chu	The University of Queensland	Multidrug loaded relapse resistant polymeric theranostic for targeted treatment of brain tumours
32	Cintya Dharmayanti	University of South Australia	Synthesis and Characterization of Bioerodible Polymer-Based Bisphosphonate Implants for the Treatment of Osteoporosis.
33	Oh Hyeong Kwon	Kumoh National Institute of Technology	Fabrication of Novel Smart Dressing Containing a pH Biosensor for Monitoring of pH Changes at Infected Wound Sites
34	Amber Prior	The University of Queensland	Evaluation of physicochemical properties of nanomedicines in the treatment of solid tumours.
35	Peter Wich	University of New South Wales	Polysaccharides and Proteins as Versatile Biopolymer Material for Nanoparticles
36	Vanessa Soh*	Centre for Advanced Imaging	New ⁶⁴ Cu-labeled PEGylated CXCR4-targeting ligands for in vivo PET Imaging
37	Merryn Strange*	The University of Queensland	Rapid Personalisation of Immunotherapeutics using a PEG-Based Hyperbranched Polymer/Anti-PEG Bispecific Antibodies
38	Matthew Urquhart*	Monash University	Cysteine-selective H ₂ S release from native dithiobenzoate end-capped RAFT polymers
39	Lee Burns	The University of Queensland	An Investigation into Starch Oxidation via Reactive Extrusion
40	Ke Du	CSIRO	3D printing with silicone for biomedical applications
41	Marion Gaborieau	Western Sydney University	Characterisation of ultrafiltration membranes based on polymer blends
42	Raquel Sanchez Diaz	Queensland University of Technology	A Biomaterials Approach towards Improved Integration of Percutaneous Devices
43	Nathan Workman	University of South Australia	Rapid-Prototyping and Development of Spectrophotometer Accessories for the Continuous Monitoring of Drug-Releasing and Diffusion systems.
44	Hirohito Yamasaki	National Institute of Technology, UBE College	Application of a CyD/PVA spherical hydrogel for use as a grease trap
45	Kash Bhullar*	Western Sydney University	Understanding structure and property relations of industrial polyamide adhesives using solid-state NMR spectroscopy
46	James Chan	University of South Australia	A Model of Cell Deformability: Polymer Monolith Isolation of Malaria Parasites