

PROGRAM
Australian Colloid and Interface Symposium 2007
 Crowne Plaza Hotel, Coogee Beach, Sydney

Sunday 4 February

15:00 – 17:00	REGISTRATION	Level One, Crowne Plaza Hotel
17:00 – 19:00	MIXER	Pool Terrace, Crowne Plaza Hotel

Monday 5 February

Time	Oceanic Ballroom West	Oceanic Ballroom East
08:30		WELCOME AND OPENING REMARKS
	SPECTROSCOPY AND SCATTERING IN SURFACE AND COLLOID SCIENCE	SURFACE FORCES, NANOTRIBOLOGY AND BIOLOGICAL INTERACTIONS
	<i>Session Chair: Jim McQuillan</i>	<i>Session Chair: Michelle Gee</i>
08:50	Keynote: Donald Sparks , The role of X-ray absorption spectroscopy (XAS) in advancing the frontiers of environmental interfacial chemistry	Keynote: Jacob Israelachvili , Frictional properties of confined nanoparticles: effects of particle size and shape
09:10	Sparks keynote talk continues.	Israelachvili keynote talk continues.
09:30	S. Harmer, SRXPS evidence for surface stabilization of transition metal chalcogenide fracture surfaces	S. Ohnishi, The influence of cyclohexane vapor on stick-slip friction between mica surfaces
09:50	D. Beattie, Synchrotron XPS studies of collector co-adsorption on gold and gold:silver alloy surfaces	T. Anderson, Interactions between supported phospholipid bilayers and silica surfaces
10:10	M. Ree, Synchrotron X-Ray scattering analysis on structures of multi-armed star-shape polystyrenes in solutions	K. Higashitani, Nano-tribology of clean hydrophilic silica surfaces in electrolyte solutions of normal and high pH's
10:30	TEA/COFFEE BREAK	
	<i>Session Chair: Paul Mulvaney</i>	<i>Session Chair: Karin Jacobs</i>
11:00	M. James, What to do when your reactor goes critical	V. Yaminski, Evaporation-stabilized foam films of pure liquids
11:20	J. Penfold, Interplay between surface and solution behaviour in di-alkyl chain cationic / nonionic surfactant mixtures	A. Luzar, Electrowetting in a nanopore
11:40	J. Santos, Time-resolved optical waveguide spectroscopy for studying protein adsorption kinetics	N. Maeda, Dynamics of capillary-held liquids
12:00	W. Hamilton, Topological relaxation of shear-induced lamellar phases to sponge phase equilibrium and the energetics of membrane fusion	T. Becker, Force spectroscopy with AFM: surface charge of specific barite crystal faces
12:20	D. McGillivray, Structure of functional toxin pores in tethered bilayers: membrane association of a-hemolysin	G. Willmott, Effects of surface forces on a torsional ultrasonic oscillator
12:40	LUNCH	

	<i>Session Chair: David Beattie</i>	<i>Session Chair: Alenka Luzar</i>
13:40	Keynote: Zhan Chen , Molecular structures of polymers and biological molecules at interfaces	D. Bratko, Modeling ion-specific colloidal and protein interactions
14:00	Chen keynote talk continues.	Q. Li, Particle-particle and particle-substrate interactions in colloidal self-assembly
14:20	W. Ducker, A nanoscale gas state	M. Clauzel, Forced desorption of surfactant at polymer–water interface
14:40	A. Young, In situ IR studies of thiol ligand adsorption on CdS films	W. Briscoe, Direct measurement of interactions between surface-grown polymer brushes in aqueous media
15:00	J. McQuillan, Probing the cation exchange capacity and biomineralisation propensity of bacterial surfaces with in situ IR spectroscopy	L. Piculell, Bridging or depletion – is that all there is? “New” mechanisms of destabilisation of aqueous polymer-particle mixtures
15:20	TEA/COFFEE BREAK	
	<i>Session Chair: Jeff Penfold</i>	<i>Session Chair: Wuge Briscoe</i>
15:50	P. Mulvaney, The surface chemistry of single nanocrystals	M. Mizukami, Liquid structuring induced by solid surface: hydrogen-bonded surface molecular macrocluster
16:10	N. Paris, Organic synthesis of fluorinated molecules on GaAs(100) and Cu(100)	M. Kohonen, Instabilities in the interaction of surfaces coated with thin liquid films
16:30	A. Nelson, The competitive swelling kinetics of thin polystyrene films by toluene	S. Edwards, Patchy surfactant coatings and long-range forces
16:50	S. Javadian, Determination of the physico-chemical parameters and aggregation number of surfactant in micelles in binary alcohol-water mixtures	E. Meyer, Progress in understanding hydrophobic interactions
17:10	P. Sehgal, Mixed monolayer and micelle formation of cationic and zwitterionic surfactant of identical hydrocarbon tail in an aqueous medium: interfacial tension, fluorescence probe, dynamic light scattering and viscosity study	I. Vakarelski, Anomalous behavior in aqueous thin liquid films in contact with fluorinated materials
17:30	Talks end	
18:00-20:00	POSTER SESSION	

Tuesday 6 February

Time	Oceanic Ballroom West	Oceanic Ballroom East
	INORGANIC OXIDE SURFACES	SURFACE FORCES, NANOTRIBOLOGY AND BIOLOGICAL INTERACTIONS (Cont)
	<i>Session Chair: George Franks</i>	<i>Session Chair: Roger Horn</i>
08:00	Keynote: Gordon E. Brown Jr. , Factors controlling the reactivity of metal oxide surfaces	Keynote: Suzanne Giasson , Static and dynamic interactions at biomaterial surfaces
08:20	Brown keynote talk continues.	Giasson keynote talk continues
08:40	S. Sjöberg, Chemical speciation, solubilities and surface complexation in Al(hydr)oxide systems	K. Vasilev, Effects of charge and ionic strength on the adsorption of lipids onto protein-resistant PEG graft layers
09:00	B. Bickmore, Toward an improved MUSIC model	K. Jacobs, Impact of short- and long-range forces on protein conformation and adsorption kinetics
09:20	Y. Gan, Charging behaviour of gibbsite basal (001) surface in NaCl solution investigated by AFM colloidal probe technique	G. Liu, A new electrode interface comprising molecular wires and poly(ethylene glycol) spacer units for probing protein electrochemistry
09:40	TEA/COFFEE BREAK	
		DROPS AND BUBBLES
	<i>Session Chair: Fred Lange</i>	<i>Session Chair: Ray Dagastine</i>
10:10	J. Halloran, Freeze casting colloidal suspensions	Keynote: Darsh Wasan , Foams, emulsions and dispersions
10:30	L. Zou, Using titania/silica and titania/activated carbon photocatalysts to degrade organic pollutants and their regeneration	Wasan keynote talk continues
10:50	L. Bergström, Synthesis and assembly of iron oxide nanocrystals	P. Spicer, Dewetting and crystallization in emulsion droplets: colloid synthesis and purification
11:10	K. N. Pham, Surface charge modification of nano-sized silica colloids	T Wooster, Interfacial structure and emulsion stability of protein-carbohydrate di-block copolymers
11:30	Y.-L. Liu, Surface modification on silicons through silicon-oxide reactions	J. Beattie, Water at hydrophobic interfaces
11:50	LUNCH	
	<i>Session Chair: Jonas Addai-Mensah</i>	<i>Session Chair: Clive Prestidge</i>
12:40	Keynote: Kwadwo Osseo-Asare , Metal oxides in aqueous processing systems: colloids, solutions, and surfaces	Keynote: Eric Furst , Direct measurements of colloidal interactions at the oil-water interface
13:00	Osseo-Asare keynote talk continues.	Furst keynote talk continues.
13:20	A. Costine, Bayer process scale formation	L Gauckler, Foams derived from particle suspensions
13:40	J. Addai-Mensah, Fundamental studies of aluminium tri-hydroxide crystallization from synthetic supersaturated caustic aluminate liquors	E Herzig, Bicontinuous emulsions stabilised with silica particles
14:00	M. Cran, Influence of dispersant architecture upon mineral oxide adsorption	R Pugh, Silica nanoparticles: surface characterisation and foaming

14:20	TEA/COFFEE BREAK	
	<i>Session Chair: Yang Gan</i>	<i>Session Chair: Grant Webber</i>
14:40	W. Sigmund, Electrospinning of ceramic oxide nanofibers	R Dagastine, Dynamic forces in emulsions measured with AFM
15:00	M. Hill, The single source chemical vapour deposition of inorganic oxide thin film surfaces	D Chan, A general theoretical perspective of dynamical interactions involving drops and bubbles
15:20	F. Lange, Role of specifically adsorbed ions in the lateral epitaxial overgrowth of n-type ZnO in water at 90°C	N Jain, Determination of forces between emulsion drops in water-in-oil emulsion by neutron scattering and optical interferometry
15:40	A. Mierczynska-Vasilev, Tapping mode AFM studies of polymer adsorption on talc and clinocllore	M Krasowska, Effect of hydrophobicity and surface charge on wetting and time-scale of attachment of bubbles to solids
16:00	G. Franks, The isoelectric points of basal plane sapphire and alpha alumina powder	V. Craig, Specific ion effects on bubble coalescence inhibition in mixed electrolyte systems
16:20	BEACH TIME	

Wednesday 7 February

Time	Oceanic Ballroom West	Oceanic Ballroom East
08:30	RACI Colloid & Surface Science Division Plenary Lecture: Prof. Wolfgang Knoll "Supramolecular interfacial architectures for optical biosensing" <i>Chair: Dr. Patrick Hartley</i>	
09:30	Alexander Lecture: Prof. Brian Vincent , "Microgel particles: an overview" <i>Chair: A/Prof. Bob Hunter</i>	
10:30	TEA/COFFEE BREAK	
	HIERARCHICAL MATERIALS	FRONTIERS OF COLLOID AND INTERFACE SCIENCE
	<i>Session Chair: Calum Drummond</i>	<i>Session Chair: Rob Atkin</i>
11:00	Keynote: Eric Amis , High throughput approaches to polymer formulation	Keynote: Julian Eastoe , Rêves moléculaires en oxygène et carbone
11:20	Amis keynote talk continues.	Eastoe keynote talk continues.
11:40	G. Warr, In situ polymerization and self-assembly of cationic surfactants	S. Notley, Surface interactions with biomacromolecular surfaces derived from wood
12:00	M. Lu, Proton conductive composite membrane of phosphosilicate and polyvinyl alcohol	Q. Li, Pattern formation on tilted substrates by colloidal self-assembly using flow-controlled vertical deposition method
12:20	N. Ishida, Structural behaviour of thermoresponsive polymer-grafted surface in aqueous solutions	S. Hyde, Polyphile and mikto-arm self-assembly: possible mesostructures
12:40	LUNCH	
	<i>Session Chair: Eric Amis</i>	<i>Session Chair: Julian Eastoe</i>
13:40	B. Boyd, Structure of liquid crystalline nanostructured drug delivery	T. Healy, The isoelectric point/point of zero charge of interfaces formed

	particles by synchrotron DSC-SAXS	by aqueous solutions and non-polar solids, liquids and gases
14:00	V. Milam, Reversible DNA linkages in model, multiparticle therapeutic assemblies	R Atkin, Phase behaviour and microstructure of microemulsions with a room temperature ionic liquid as the polar phase
14:20	C. Conn, Dynamics of structural transformations between lamellar and inverse bicontinuous cubic lyotropic mesophases	P. Starck, The influence of a zwitterionic polymer on the stability of colloidal dispersions and surface properties
14:40	C. Fong, Formation of amphiphile self assembly phases in protic ionic liquids	F. Grieser, Ultrasound initiated miniemulsion polymerization of methacrylate monomers
15:00	P. Spicer, Surfactant dissolution: kinetics and equilibria of rheological variations	C. Neto, Micropatterning of proteins: a new approach using thin polymer films
15:20	TEA/COFFEE BREAK	
	<i>Session Chair: Matt Trau</i>	<i>Session Chair: Greg Warr</i>
15:50	Keynote: Ulrich S. Schubert , (Title not yet announced)	B. Muir, Investigating the mechanisms of protein resistance in oligo ethylene glycol-like plasma polymer films through neutron and X-ray reflectometry
16:10	Schubert keynote talk continues.	E. Wanless, In-situ observations of adsorbed microgel particles
16:30	R. Hodgkins, Designing nano-structured porous monoliths	K. Kim, Direct numerical simulations of electrophoresis of charged colloids
16:50	W. Tseng, Synthesis of silica hollow microspheres with mesoporous shell structure via colloidal templating	B. Sohrabi, The phase diagram of a mixed anionic/cationic surfactant system: transition from microstructure to nanostructure
17:10	E. Chow, Inkjet-printed gold nanoparticle films for chemical sensors	D. Acharya, Viscoelastic micellar solutions in nonionic fluorinated surfactant systems
17:30 – 18:00	RACI Colloid and Surface Science Division meeting (venue to be announced)	
19:30-bedtime	CONFERENCE DINNER	

Thursday 8 February

Time	Oceanic Ballroom West	Oceanic Ballroom East
	PHARMACEUTICAL APPLICATIONS	FRONTIERS OF COLLOID AND INTERFACE SCIENCE (Cont)
	<i>Session Chair: Ben Boyd</i>	<i>Session Chair: Shannon Notley</i>
09:00	Keynote: Frank Szoka , Dendritic polymers as drug carriers	Keynote: Robert Pelton , Adhesion to wet cellulose – design rules for polymers, peptides and proteins
09:20	Szoka keynote talk continues	Pelton keynote talk continues.
09:40	L. Kaminskis, Partly-pegylated poly-L-lysine dendrimers as biodegradable drug carriers	R Seemann, Manipulation of wetting morphologies on topographic substrates
10:00	T. Barnes, Interaction of dendrimers with phospholipid bilayers	J. Kilpatrick, Simultaneous determination of quasi-static and dynamic forces using magnetically activated colloid probe FM AFM

10:20	TEA/COFFEE BREAK	
	<i>Session Chair: Thomas Rades</i>	<i>Session Chair: Robert Pelton</i>
10:50	Keynote: Robert Price , Novel engineering of colloid particles for pharmaceutical systems	C. Angle, Catastrophic phase inversion of toluene-diluted heavy oil emulsions in electrolytes by rotor-stator Part 1. Size, electrophoretic mobility and specific conductivity
11:10	Price keynote talk continues	R. Sedev, Interfacial properties of room temperature ionic liquids
11:30	I. Larson, Validating AFM adhesion measurements in a pharmaceutical application	P. Wedin, Time-resolved digital radiography: characterisation of fluid flow in paper
11:50	C. Cortez, Targeting and uptake of multilayered particles to cancer cells	P. Ireland, Liquid transport in multi-layer froths
12:10	S. Kim, Phase behavior and physicochemical investigation of sucrose ester microemulsions with botanical essential oils for potential topical delivery	I. Lynch, Nanoparticle-protein interactions: Consequences for protein conformation, stability and aggregation, and for nanotoxicity
12:30	LUNCH	
	<i>Session Chair: Ian Larson</i>	<i>Session Chair: Catherine Whitby</i>
13:20	T. Rades, Colloidal delivery systems for subunit vaccine delivery - a pharmaceutical approach part 1: physico-chemical characterisation	D. Varade, Formation and disruption of worm-like micelles in mixed solvents of different polarity
13:40	S. Hook, Colloidal delivery systems for subunit vaccine delivery - a pharmaceutical approach part 2: immunological testing	P. Bahadur, Heat induced aggregation of amphiphilic block copolymers in aqueous solutions
14:00	P. Young, Controlled release to the lung: the holy grail or wholly impossible?	W. Shen, Forced wetting and dewetting of liquids on solid surfaces and their roles in offset printing
14:20	P. Surawski, Encoded peptide assays: mercapto-functionalised organosilica microspheres as a platform for proteomic assays	F. Caruso, Bridging the materials and life science divide: bioinspired colloidal systems
14:40	CLOSING REMARKS (in Oceanic Ballroom East)	CLOSING REMARKS
15:00	CONFERENCE CLOSES	

Poster presentations

(Monday 5 February, 18:00 – 20:00)

Number	POSTERS	SPECTROSCOPY and SCATTERING in SURFACE and COLLOID SCIENCE
SS-1	C. Barton	Mixed monolayers of NTA disulfide and TEG thiol on gold nanoparticle surfaces studied with optical spectroscopy and zeta potential
SS-2	I. Chamritski	Real-time recording of antigen-antibody reactions at surfaces for immunoassay microarray
SS-3	L. de Campo	Sponge and lamellar phases containing mixtures of hydrocarbon and fluorocarbon surfactants
SS-4	C. Garvey	Small angle neutron scattering from concentrated protein solutions inside cells
SS-5	M. James	Characterisation of alkyl-functionalised Si(111) using reflectometry and AC impedance spectroscopy
SS-6	C. Pascual-Izarra	Positron annihilation lifetime spectroscopy and small angle X-ray scattering of self-assembled amphiphiles
SS-7	J. Penfold	Manipulation of surface adsorption using polyelectrolyte / surfactant mixtures
SS-8	L. Petrone	<i>In situ</i> infrared spectroscopic analysis of adhesion processes of small marine organisms
SS-9	M. Ree	Small-angle X-ray scattering studies on structure of an enzyme protein in solution
SS-10	I. Sedeva	Influence of a polymer depressant on the wettability of model surfaces
SS-11	R. Seemann	Networks of liquid bridges in wet granular systems
SS-12	P. Sehgal	Interaction and stability of binary mixtures of cationic and nonionic surfactants: interfacial tension and fluorescence probe studies
SS-13	David Warren	Using ATR-IR to determine the mechanism of adsorption by a perfluorosulfonic acid onto a Pt black thin film.

Number	POSTERS	SURFACE FORCES, NANOTRIBOLOGY and BIOLOGICAL INTERACTIONS
SF-1	R. Atkin	Solvation layers in room temperature ionic liquids
SF-2	J. Connor	Atomic force microscopy study of fly ash adhesion: addressing industry problems
SF-3	E. Furst	Near contact interactions between colloidal particles using laser tweezers
SF-4	G.W. Greene	Anisotropic changes in pore morphology and fluid flow of compressed articular cartilage studied by fluorescence recovery after photobleaching (FRAP): Implications for joint lubrication
SF-5	C. Honig	Hydrodynamic boundary condition for hydrophilic and hydrophobic particles
SF-6	M. James	The structure of synthetic tropoelastin surfaces
SF-7	A. Norouzy	Adsorptive immobilization of acetylcholinesterase; inhibition studies
SF-8	D. Palms	Dynamic friction factors in partially wetting systems
SF-9	L. Piculell	From repulsion to attraction: surfactant aggregates with polymeric vs simple monovalent counterions
SF-10	I. Vakarelski	Nanoparticles and nanotubes modified scanning probe microscopy tips

Number	POSTERS	INORGANIC OXIDE SURFACES
OX-1	J. Addai-Mensah	The nucleation, growth and particle interactions of Al(OH) ₃ during crystallization from synthetic supersaturated caustic aluminate liquors
OX-2	P. Harbour	Superparamagnetic oxide nanoparticles for use as MRI contrast agents
OX-3	J.-H. Jang	The selective adsorption and its biological impact of titanium oxide surface
OX-4	D.-W. Park	Phase cooperation of metal oxides in vanadium-based mixed oxide catalysts for the selective oxidation of hydrogen sulfide
OX-5	K.N. Pham	Controllable gelation of highly concentrated nano-sized colloids
OX-6	J.-B. Song	Preparation of silica-coated magnetic nanoparticles functionalized with glucose
OX-7	W. Tseng	Effect of surfactant on synthesis of TiO ₂ hollow microspheres via colloidal templating
OX-8	M. Yoshida	Effect of the reactant-AOT complex on properties of particles synthesized by AOT/isooctane/water system

Number	POSTERS	DROPS and BUBBLES
DB-1	E. Bonaccorso	Arrays of microlenses with tunable focal lengths fabricated by restructuring polymer surfaces with an ink-jet device.
DB-2	J. Chandrapala	A new bio-physical approach to understanding self-assembly of dairy proteins
DB-3	A. Djerdjev	Ultrasonic attenuation sizing of nanoemulsions, microemulsions and porous particles
DB-4	M. Jeswan-Singh	New emulsifying agents for food applications
DB-5	H. Keh	Thermocapillary migration of a fluid drop perpendicular to two plane walls
DB-6	L. Parkinson	Influence of gas type on bubble rise velocity – implications for interfacial behaviour
DB-7	D. Parsons	Physical properties of phase change nanoemulsions
DB-8	C. Priest	Microfluidic processing of multiphase fluids
DB-9	G. Webber	Hydrodynamic interactions between a silica particle and a deformable droplet – effect of particle/droplet size ratio and bulk phase viscosity
DB-10	C. Whitby	<i>In situ</i> determination of the size and polydispersity of concentrated emulsions

Number	POSTERS	HIERARCHICAL MATERIALS
HM-1	M. Aoshima	Two-dimensional Monte Carlo simulations of self-assembly clusters composed of rod-like ferromagnetic particles
HM-2	Y.-D. Dong	Adsorption of liquid crystalline particles at surfaces
HM-3	N. Gong	The phase behaviour of straight and branched urea based surfactant mixtures
HM-4	A. Heim	Nanomechanical testing and modeling of native collagen fibrils
HM-5	Y.-H. Lee	Ink-jet printing of noble metal nano-colloids prepared by polyol process
HM-6	F. Lie	Assembly of nanostructured Li ₄ Ti ₅ O ₁₂
HM-7	B. Nuthakki	Protic ionic liquids and their potential applications

HM-8	A. Polyzos	Development of a polyvalent inhibitor of cholera toxin using a bio-functionalised surfactant mesophase
HM-9	S. Sagnella	Nonionic amide and monoethanolamide surfactants with isoprenoid-type hydrocarbon chains: thermotropic and lyotropic liquid crystalline phase behaviour
HM-10	Y. Tao	Preparation and characterization of ZSM-5 of hierarchical pore structures
HM-11	E. Tjpto	Polyelectrolyte-stabilized liquid crystal droplets as nano-sensors
HM-12	G. Zhao	Combining self assembly with lithography to fabricate 3D photonic crystals, functional devices, and nanostructures

Number	POSTERS	FRONTIERS of COLLOID and INTERFACE SCIENCE
FR-1	A. Beaussart	Investigation of polysaccharides adsorbed on molybdenite
FR-2	V. Craig	Quantitative measurement of photon pressure using FM resolution AFM
FR-3	A. Fima	Crystallization in the presence of dynamical arrest
FR-4	T. Hunter	Determination of nanosized SiO ₂ particle contact angles, via multiangle, single wavelength ellipsometry
FR-5	R. Ivaturi	Surfactant-based separation technique in the removal of dissolved organics from water
FR-6	T. Joshi	Mixed systems of cationic – non-ionic surfactant systems in water
FR-7	T.-I. Kim	Stability of an interfacial meniscus for filling nanochannels
FR-8	M. Kohonen	On the drop-size dependence of contact angles
FR-9	J.M. Lee	Dense and square lattice-free colloid crystals of highly-charged monodisperse latex particles on 3-aminopropyl trimethoxysilane-modified glass substrate
FR-10	Y.-G. Lee	A novel method for highly monodisperse micron-sized silica particles in room temperature
FR-11	F.-K. Liu	Using capillary electrophoresis to rapidly measure the size of Au/Ag core/shell nanoparticles
FR-12	W.S. Lyoo	Preparation of sodium alginate hydrogel microspheres by electrospinning
FR-13	W.S. Lyoo	Preparation of high molecular weight poly(vinyl pivalate) particles using emulsion polymerization of vinyl pivalate
FR-14	J. McAlpine	Surfactant self-assembly in room-temperature ionic liquids: solvation and ionophobic effects
FR-15	J. O'Donnell	Reversible addition-fragmentation chain transfer polymerization in microemulsions
FR-16	A. Olsen	Heterogeneous colloids: building blocks for novel crystalline structures?
FR-17	D. Parsons	Application of Wang-Landau Monte-Carlo to polymer simulations
FR-18	B. Tajik	The study of polymer effects on nanostructures size in the mixed cationic-anionic surfactants
FR-19	S. Takashina	Effect of the peculiarity of water pool pH of w/o microemulsion on particle synthesis
FR-20	H.P. Yap	Colloidal surface engineering: a nanoblended approach

Number	POSTERS	PHARMACEUTICAL APPLICATIONS
PA-1	T. Chau	Interaction forces in pluronic stabilized emulsions
PA-2	L. Cinteza	Phospholipid-stabilized silica nanoparticles with magnetic properties as drug delivery systems
PA-3	S. Das	The effect of relative humidity on the performance and surface energies of salmeterol xinafoate powders for inhalation
PA-4	Dj. Djozan	Fabrication of monolithic fiber with a molecularly imprinted surface: application for the isolation of menthol from pharmaceutical preparations
PA-5	K. Hapgood	Granule nucleus formation via solid spreading in pharmaceutical wet granulation
PA-6	B. Kelly	Synthesis and characterisation of polyethylene glycol methotrexate poly-L-lysine dendrimers
PA-7	S.-H. Park	Preparation and membrane fluidity of noble metal nanoparticles loaded DPPC liposomes
PA-8	C. Petcu	Magnetic polymer nanoparticles for MRI contrast enhancement
PA-9	B. Roberts	Properties of novel non-viral DNA transfection agents
PA-10	Dallas Warren	Molecular dynamics simulations of lipid formulations with drug molecules