

8:30 - 9:00	Costantino Creton - Molecular interpretation of macroscopic fracture of soft materials: where and how do bonds break ?				
9:00 - 9:30	David Haddleton - Cobalt(II) mediated catalytic chain transfer polymerisation: glossy magazines to stress free 3D printing				
9:30 - 9:35	C. Defontaine (TA Instruments)				
9:35 - 10:05	Rachel A. Segalman - Design of polymer electrolytes with superionic ion transport				
10:05 - 10:35	Geoffrey W. Coates - New approaches to sustainable polymers				
10:35 - 11:05	Coffee break				
11:05 - 11:30	<b>U. Schubert</b> Polymer research 4.0: from systematic pharmacopolymers to AI-assisted nanoparticle libraries for nanomedicine	<b>M. Monteiro</b> Unique asymmetric nanostructures by the TDMT method	<b>M. Ouchi (*)</b> Precision syntheses of sequence-controlled vinyl polymers and the properties derived from monomer unit sequence regulation	<b>F. Boulemdais</b> Polyelectrolytes nanocoatings: from inert to functional biomaterials	<b>Z. Li (*)</b> Synthesis of chemically recyclable polyesters via organocatalyst catalyzed ROP
11:30 - 11:45	<b>H. Yeo</b> Systematic investigation of block copolymer electrolytes for lithium-ion batteries	<b>N. Giacoletto</b> Substituent effects on the photoinitiation ability of coumarin-based oxime-ester photoinitiators for free radical photopolymerization	<b>A. Mueller</b> Tapered block and multiblock copolymers of styrene and dienes via statistical anionic copolymerization: Shaping the gradient	<b>J. Pirkin-Benameur</b> A first step towards self-oscillating membranes: UF membranes with chemically fueled self-oscillating permeability	<b>P. Le Bellec</b> PTHF-stat-oxirane copolymers with tunable thermal properties
11:45 - 12:00	<b>J. Raynaud</b> Inorganic/organic boron- & nitrogen-based polymers & networks for energy storage	<b>F. Hatton</b> Epoxy-functional diblock copolymer nanoparticles by RAFT aqueous emulsion polymerisation	<b>M. Soete</b> Rewritable macromolecular data storage with automated read-out	<b>R. Richter</b> A case study of reversibly cross-linked polymer brushes: morphology and function of the nuclear pore permeability barrier	<b>B. Martin Vaca</b> Methylidene-substituted lactones and cyclic carbonates for the preparation of degradable copolymers
12:00 - 12:15	<b>G. Gregory</b> CO <sub>2</sub> -derived polycarbonate-block-polyether electrolytes for all-solid-state batteries	<b>P. Maksym</b> Additional external regulations of light-induced classical and controlled free-radical polymerization	<b>R. Aksakal</b> Sequence-defined mikto-arm star-shaped macromolecules: absolute molecular control	<b>O. Borisov</b> Stimuli-responsive polymer brushes in nanopores: a selective permeation barrier for nanocolloids	<b>L. Pitet</b> Streamlined synthesis of fully biobased block polymers in a continuous flow reactor
12:15 - 12:30	<b>D. Gignes</b> Hybrid silica-polymer electrolytes for lithium metal batteries	<b>F. Dumur</b> NIR organic dyes as innovative tools for reprocessing/recycling of plastics: benefits of the photothermal activation in the near-infrared range	<b>M.-N. Antonopoulou</b> Concurrent control over sequence and dispersity in multiblock copolymers	<b>A. Fonseca</b> Electrospinning of hydroxypropyl cellulose esters with long aliphatic chains	<b>J. Matson</b> Practical considerations in ring-opening metathesis polymerization: Anchor group, solvent, and additives
12:30 - 14:00	Lunch Break & Poster Session 2				
14:00 - 14:25	<b>S. Rowan</b> Exploring dynamic covalent polymers as adaptive materials	<b>K. Tanaka (*)</b> Polymer dynamics in an interfacial region with a solid	<b>S. Perrier</b> Precision polymer chemistry for bionano applications	<b>S. Förster</b> t.b.a.	<b>G. Floudas</b> How macromolecules penetrate narrow pores
14:25 - 14:40	<b>D. Montarnal</b> Recent developments and future challenges in vitrimer materials.	<b>M. Leiske</b> Zwitterionic amino-acid-derived polymers - smart materials with cellular specificity and therapeutic activity	<b>P. Woisel</b> Supramolecular polymeric systems featuring visible read-out memory function(s)	<b>J. Maiz</b> Quasielastic neutron scattering investigation in an all-polymer nanocomposite based on poly(tetrahydrofuran) single chain nanoparticles	<b>H. Houck</b> Shining light on poly(ethylene glycol): from polymer modification to 3D laser printing of water erasable microstructures... and beyond?
14:40 - 14:55	<b>S. Engelen</b> Bio-based vinylous urethane vitrimers as circular materials	<b>H. Soria-Carrera</b> Polyoxometalate-polypeptide hybrids: POMlymers	<b>R. Szweda</b> One-pot, reagent fueled approach towards large-scale synthesis of sequence-defined polymers	<b>L. Bureau</b> Adsorption and friction properties of polyelectrolyte mixtures deposited onto negatively charged surfaces	<b>N. Ayres</b> Stimuli responsive polymer gels using disulfide and diselenide exchange reactions to induce reversible softening and stiffening
14:55 - 15:10	<b>S. Schoustra</b> Raman spectroscopy reveals microphase separation in imine-based covalent adaptable networks	<b>A. Zelikin</b> Chemical mimicry for natural macromolecular transformations	<b>Q. Qin</b> Chiral sequence-defined oligomers for molecular recognition and self-assembly at the solid-liquid interface	<b>A. Hemmerle</b> Characterization of polymers at surfaces and interfaces on the beamline SIRIUS (SOLEIL synchrotron)	<b>R. Murphy</b> Three-dimensional hydrogel constructs derived from polypeptides
15:10 - 15:25	<b>D. Berne</b> Catalyst-free covalent adaptable networks using synergistically retro-aza-Michael reaction and transesterification activated by CF <sub>3</sub> inductive effects.	<b>H. Ulrich</b> Investigating structural finetuning of benzenetrispeptide – towards supramolecular polymer bottlebrushes in water	<b>C. Synatschke</b> Controlling cell-material interactions through responsive supramolecular assemblies	<b>O. Sysova</b> Bio-sourced photoresist for deep-UV photolithography	<b>H. Bianco-Peled</b> Shear thinning polysaccharides hydrogels physically cross-linked with nanogels
15:25 - 15:40	<b>R. Ricarte</b> Generalized Rouse theory for modeling the linear viscoelastic behavior of unentangled vitrimer melts	<b>N. Sen (W. Binder)</b> Lipid-polymer conjugates inhibit amyloid fibrillation	<b>C. Lefay</b> A versatile and straightforward process to turn plastics into antibacterial materials	<b>M. Bravo</b> Effect of chitosan MW and DA on complexation kinetics and morphology of chitosan/DNA complexes	<b>M. Cosgrave</b> Diblock polypeptide hydrogels as bioinks for 3D printing in tissue engineering
15:40 - 16:10	Coffee break				
16:10 - 16:35	<b>T. Deming</b> Switchable coacervates of amino acid side-chain functionalized homopolypeptides	<b>M. Stenzel</b> Polymer-coated nanocellulose for drug delivery and as bacterial antiadhesive	<b>E. Chen</b> Spatiotemporal and sequence control in precision synthesis of cyclic block copolymers	<b>H. A. Klok</b> Expanding the scope of surface-initiated polymerization	<b>T. Reineke (*)</b> Tunable multifunctional macromolecules via parallel experiment and computation: from DNA delivery vehicles to sustainable polymers
16:35 - 16:50	<b>S. Schubert</b> Gene delivery by tailored amphiphilic polypeptides: The impact of polyplex surfing and membrane interactions	<b>J. Nicolas</b> Water-soluble polymer prodrugs to switch from intravenous to subcutaneous cancer therapy for irritant/vesicant drugs	<b>C. Mertens</b> Multifunctional sequence-defined oligomers through automated synthesis	<b>P. Wilson</b> Precision synthesis using nanoscale electrochemistry	<b>M.-C. Arno</b> Controlled living polymerisation of water-soluble monomers towards the fabrication of soft cellular scaffolds
16:50 - 17:05	<b>H. Iatrou</b> Poly(L-histidine)-containing polymers for nanoparticles featuring gold nanoshells with tunable NIR absorption and photothermal therapies	<b>J. Becker</b> Glycopolymers with defined Stereochemistry for targeted drug delivery	<b>T. Schutz</b> Design of new mass tags allowing MS/MS sequencing of digital polymers	<b>E. Benetti</b> Topology and dispersity: additional parameters regulating the properties of bioinert and functional polymer interfaces	<b>V. Lapinte</b> Multi-approach of polyoxazoline hydrogels
17:05 - 17:20	<b>M. Concilio</b> Oxazoline-based antimicrobial copolymers against S. aureus: from their synthesis to their application in an in vivo insect model	<b>J. Baillet</b> Development of novel nanoparticle constructs for the controlled presentation and delivery of COVID-19 subunit vaccines	<b>J. van Herck</b> Automated polymer synthesis platform based on inline benchtop NMR and online GPC	<b>A. Kuzmyn</b> Bioactive polymer brush-based coatings by SI-PET-RAFT	<b>B. Couturaud</b> In situ drug encapsulation or drug conjugation in cancer application using polymerization-induced self-assembly (PISA)
17:20 - 17:35	<b>J. Galetzsch</b> Fine-tuning vesicle functionality through asymmetry, chirality and biodegradability	<b>A. Eissa</b> Macromolecular engineering of polymer scaffolds for in vitro 3D tissue models	<b>S. Ye</b> Machine learning-assisted development of a versatile polymer platform with full-color emission tunability	<b>E. Hancox</b> Heterotelechelic homopolymers mimicking high $\chi$ – low N diblock copolymers with sub-2 nm domain size	<b>J. Bernard</b> The nanoprecipitation process or the simplicity in making complex colloids
17:35 - 17:50	<b>A. Neitzel</b> Polyelectrolyte complex coacervation across a broad range of charge densities	<b>A. Heise</b> Polypeptides for the design of functional nanoparticles	<b>G. Sanoja</b> Controlling network architecture and mechanical properties through kinetics of polymerization	<b>S. Guldin</b> Block copolymer assembled materials architectures for biosensing applications	<b>M. Thomas</b> Virus-like polymersomes from supramolecular interactions between complementary nucleobase-containing block copolymer nano-objects prepared via polymerization-induced self-assembly
18:00 - 20:00	Wine & Cheese & Poster Session 3				