

8:15 - 08:45	Costantino Creton - Molecular interpretation of macroscopic fracture of soft materials: where and how do bonds break ?				
08:45 - 9:15	David Haddleton - Cobalt(II) mediated catalytic chain transfer polymerisation: glossy magazines to stress free 3D printing				
9:15 - 9:20	C. Defontaine (TA Instruments)				
9:20 - 9:50	Rachel A. Segalman - Design of polymer electrolytes with superionic ion transport				
09:50 - 10:20	Geoffrey W. Coates - New approaches to sustainable polymers				
10:20 - 10:35	Group Photo (Main Amphitheater)				
10:35 - 11:05	Coffee break				
11:05 - 11:30	U. Schubert Polymer research 4.0: from systematic pharmacopolymers to AI-assisted nanoparticle libraries for nanomedicine	M. Monteiro Unique asymmetric nanostructures by the TDMT method	M. Ouchi (*) Precision syntheses of sequence-controlled vinyl polymers and the properties derived from monomer unit sequence regulation	F. Boulmedais Polyelectrolytes nanocoatings: from inert to functional biomaterials	Z. Li (*) Synthesis of chemically recyclable polyesters via organocatalyst catalyzed ROP
11:30 - 11:45	G. Gregory CO ₂ -derived polycarbonate-block-polyether electrolytes for all-solid-state batteries	N. Giacoletto Substituent effects on the photoinitiation ability of coumarin-based oxime-ester photoinitiators for free radical photopolymerization	A. Mueller Tapered block and multiblock copolymers of styrene and dienes via statistical anionic copolymerization: Shaping the gradient	J. Pirkin-Benameur A first step towards self-oscillating membranes: UF membranes with chemically fueled self-oscillating permeability	P. Le Bellec PTHF-stat-oxirane copolymers with tunable thermal properties
11:45 - 12:00	J. Raynaud Inorganic/organic boron- & nitrogen-based polymers & networks for energy storage	F. Hatton Epoxy-functional diblock copolymer nanoparticles by RAFT aqueous emulsion polymerisation	M. Soete Rewritable macromolecular data storage with automated read-out	R. Richter A case study of reversibly cross-linked polymer brushes: morphology and function of the nuclear pore permeability barrier	B. Martin Vaca Methylidene-substituted lactones and cyclic carbonates for the preparation of degradable copolymers
12:00 - 12:15	H. Yeo Systematic investigation of block copolymer electrolytes for lithium-ion batteries	P. Maksym Additional external regulations of light-induced classical and controlled free-radical polymerization	R. Aksakal Sequence-defined mikto-arm star-shaped macromolecules: absolute molecular control	O. Borisov Stimuli-responsive polymer brushes in nanopores: a selective permeation barrier for nanocolloids	L. Pitet Streamlined synthesis of fully biobased block polymers in a continuous flow reactor
12:15 - 12:30	D. Gígenes Hybrid silica-polymer electrolytes for lithium metal batteries	F. Dumur NIR organic dyes as innovative tools for reprocessing/recycling of plastics: benefits of the photothermal activation in the near-infrared range	M.-N. Antonopoulou Concurrent control over sequence and dispersity in multiblock copolymers	A. Fonseca Electrospinning of hydroxypropyl cellulose esters with long aliphatic chains	J. Matson 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	S. Rowan Exploring dynamic covalent polymers as adaptive materials	K. Tanaka (*) Polymer dynamics in an interfacial region with a solid	S. Perrier Precision polymer chemistry for bionano applications	S. Förster Bistability, Remanence, and Read/Write-Memory realized in a Stimuli-Responsive Polymer	G. Floudas How macromolecules penetrate narrow pores
14:25 - 14:40	D. Montarnal Recent developments and future challenges in vitrimer materials.	M. Leiske Zwitterionic amino-acid-derived polymers - smart materials with cellular specificity and therapeutic activity	P. Woisel Supramolecular polymeric systems featuring visible read-out memory function(s)	J. Maiz Quasielastic neutron scattering investigation in an all-polymer nanocomposite based on poly(tetrahydrofuran) single chain nanoparticles	H. Houck Shining light on poly(ethylene glycol): from polymer modification to 3D laser printing of water erasable microstructures... and beyond?
14:40 - 14:55	S. Engelen Bio-based vinylidene urethane vitrimers as circular materials	H. Soria-Carrera Polyoxometalate-polypeptide hybrids: POMlymers	R. Szweda One-pot, reagent fueled approach towards large-scale synthesis of sequence-defined polymers	L. Bureau Adsorption and friction properties of polyelectrolyte mixtures deposited onto negatively charged surfaces	N. Ayres Stimuli responsive polymer gels using disulfide and diselenide exchange reactions to induce reversible softening and stiffening
14:55 - 15:10	S. Schoustra Raman spectroscopy reveals microphase separation in imine-based covalent adaptable networks	A. Zelikin Chemical mimicry for natural macromolecular transformations	Q. Qin Chiral sequence-defined oligomers for molecular recognition and self-assembly at the solid-liquid interface	A. Hemmerle Characterization of polymers at surfaces and interfaces on the beamline SIRIUS (SOLEIL synchrotron)	R. Murphy Three-dimensional hydrogel constructs derived from polypeptides
15:10 - 15:25	D. Berne Catalyst-free covalent adaptable networks using synergistically retro-aza-Michael reaction and transesterification activated by CF ₃ inductive effects.	H. Ulrich Investigating structural finetuning of benzenetriptide – towards supramolecular polymer bottlebrushes in water	C. Synatschke Controlling cell-material interactions through responsive supramolecular assemblies	O. Sysova Bio-sourced photoresist for deep-UV photolithography	H. Bianco-Peled Shear thinning polysaccharides hydrogels physically cross-linked with nanogels
15:25 - 15:40	R. Ricarte Generalized Rouse theory for modeling the linear viscoelastic behavior of unentangled vitrimer melts	N. Sen (W. Binder) Lipid-polymer conjugates inhibit amyloid fibrillation	C. Lefay A versatile and straightforward process to turn plastics into antibacterial materials	M. Bravo Effect of chitosan MW and DA on complexation kinetics and morphology of chitosan/DNA complexes	M. Cosgrave Diblock polypeptide hydrogels as bioinks for 3D printing in tissue engineering
15:40 - 16:10	Coffee break				
16:10 - 16:35	T. Deming Switchable coacervates of amino acid side-chain functionalized homopolypeptides	M. Stenzel Polymer-coated nanocellulose for drug delivery and as bacterial antiadhesive	E. Chen Spatiotemporal and sequence control in precision synthesis of cyclic block copolymers	H.-A. Klok Expanding the scope of surface-initiated polymerization	T. Reineke (*) Tunable multifunctional macromolecules via parallel experiment and computation: from DNA delivery vehicles to sustainable polymers
16:35 - 16:50	S. Schubert Gene delivery by tailored amphiphilic polypeptides: The impact of polyplex surfing and membrane interactions	J. Nicolas Water-soluble polymer prodrugs to switch from intravenous to subcutaneous cancer therapy for irritant/vesicant drugs	C. Mertens Multifunctional sequence-defined oligomers through automated synthesis	P. Wilson Precision synthesis using nanoscale electrochemistry	M.-C. Arno Controlled living polymerisation of water-soluble monomers towards the fabrication of soft cellular scaffolds
16:50 - 17:05	H. Iatrou Poly(L-histidine)-containing polymers for nanoparticles featuring gold nanoshells with tunable NIR absorption and photothermal therapies	J. Becker Glycopolymers with defined stereochemistry for targeted drug delivery	T. Schutz Design of new mass tags allowing MS/MS sequencing of digital polymers	E. Benetti Topology and dispersity: additional parameters regulating the properties of bioinert and functional polymer interfaces	V. Lapinte Multi-approach of polyoxazoline hydrogels
17:05 - 17:20	M. Concilio Oxazoline-based antimicrobial copolymers against S. aureus: from their synthesis to their application in an in vivo insect model	J. Baillet Development of novel nanoparticle constructs for the controlled presentation and delivery of COVID-19 subunit vaccines	J. van Herck Automated polymer synthesis platform based on inline benchtop NMR and online GPC	A. Kuzmyn Bioactive polymer brush-based coatings by SI-PET-RAFT	B. Couturaud In situ drug encapsulation or drug conjugation in cancer application using polymerization-induced self-assembly (PISA)
17:20 - 17:35	J. Gaitzsch Fine-tuning vesicle functionality through asymmetry, chirality and biodegradability	A. Eissa Macromolecular engineering of polymer scaffolds for in vitro 3D tissue models	S. Ye Machine learning-assisted development of a versatile polymer platform with full-color emission tunability	E. Hancox Heterotelechelic homopolymers mimicking high X – low N diblock copolymers with sub-2 nm domain size	J. Bernard The nanoprecipitation process or the simplicity in making complex colloids
17:35 - 17:50	A. Neitzel Polyelectrolyte complex coacervation across a broad range of charge densities	A. Heise Polypeptides for the design of functional nanoparticles	G. Sanoja Controlling network architecture and mechanical properties through kinetics of polymerization	S. Guldin Block copolymer assembled materials architectures for biosensing applications	M. Thomas 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				