

Sunday 17 June

15:00-17:30	[Kårhuset] Registration
16:00-17:00	Annual meeting Division of analytical chemistry within the Swedish Chemical Society
17:30-18:00	[Kårhuset] Opening
18:00-18:50	[Kårhuset] Plenary 1 (Chair: Mark Rutland) Jasna Brujic <i>Self-assembly and folding of colloidal emulsion polymers</i>
19:00-19:50	[Kårhuset] Plenary 2 (Chair: Ola Wendt) Tobin Marks <i>Surface science meets homogeneous catalysis - Surfaces as ligands and activators</i>
19:50-22:00	[Matematikhusets annex] Get together with midsummer-buffet meal

Monday 18 June

09:00-09:50	[Kårhuset] Plenary 3 (Chair: Andrew Ewing) Laurie Locascio <i>Innovation in the U.S. federal and academic ecosystem: Is the U.S. ready for what comes next?</i>						
09:50-11:00	[Matematikhusets annex] Poster session I Coffee and Vendors						
	[MA 7] Session 1 (OC) Chemical biology (Chair: Fredrik Almqvist)	[MA 6] Session 2 (OC) Synthetic methodology I (Chair: Lukasz Pilarski)	[MA 4] Session 3 (OC) Catalysis (Chair: Magnus Johnson)	[MA 3] Session 4 (AC) Plants, natural products and food analysis (Chair: Fredrik Aldaeus)	[MA 2] Session 5 (AC) Analysis of biological samples (Chair: Jörg Hanrieder)	[MA 1] Session 6 (SIT) Nanostructures and hybrid materials (Chair: Lars Ojamäe)	[MA 5] Session 7 (BBM) Paleochemistry (Chair: tba)
Keynote 11:15-11:55	Sophie Breen <i>Using dynamic systems to explore the supramolecular chemistry of alpha-glucans</i>	Berit Olofsson <i>Regiospecific N-arylation of nitrogen nucleophiles under mild and metal-free conditions</i>	Henrik Sundén <i>Oxidative aerobic NHC catalysis via multistep electron transfer</i>	Carolina Simó <i>Nutritional metabolomics to study bioactive compounds from natural sources</i>	Jenny Emnéus <i>2D and 3D Lab-on-a-Chip systems for environmental and life science applications</i>	Christelle Prinz <i>Nanowires for bioapplications</i>	Elena Schroeter <i>Paleoproteomics: The benefits and challenges of using tandem mass spectrometry to investigate extinct proteomes</i>
11:55-12:10	Andrew Cairns <i>Peptidomimetic modulation of α-synuclein aggregation: Towards a mechanism and in vivo effects</i>	Staffan Karlsson <i>Continuous processing and real time monitoring of hazardous chemistry of hazardous chemistry</i>	Isidro M. Pastor <i>Sustainable organic processes by means of versatile acyl-imidazolium salts</i>	Margareta Sandahl <i>Ultrahigh-performance supercritical fluid chromatography of lignin-derived compounds</i>	Johan Dunevall <i>Vesicle impact electrochemical cytometry combined with TIRF microscopy</i>	Carolina Costa <i>Native cellulose as an efficient emulsifier for nanosized emulsions</i>	Per-Olof Syrén <i>Bringing "dead" biocatalysts back to life: catalytic potential and fundamental mechanistic investigation of ancestral terpene cyclases</i>

12:10-12:25	<p>Erik Chorell <i>An odyssey in di-indole synthesis and how the shape and flexibility of the compounds impact G-quadruplex DNA stabilization</i></p>	<p>Samuel Martinez-Erro <i>Selective synthesis of halogenated carbonyls from allylic alcohols</i></p>	<p>Brian Timmer <i>Revealing real catalyst in water oxidation: A story of in situ ruthenium pre-catalyst dimerization</i></p>	<p>Jens Prothmann <i>Strategies for the analysis of technical lignins using high-resolution mass spectrometry</i></p>	<p>Alicia Gil Ramirez <i>Exploring new strategies for a more successful tissue transplantation</i></p>	<p>Michael Holmboe <i>Interpretation of powder-XRD data from layered materials guided by molecular dynamics simulations</i></p>	<p>Peter Sjövall <i>Molecular analysis of fossil soft tissues using time-of-flight secondary ion mass spectrometry (ToF-SIMS)</i></p>
12:25-12:40	<p>Lindon Moodie <i>Photoactivated colibactin probes Induce DNA damage</i></p>	<p>Shengjun Ni <i>Carbocation-catalyzed aldehyde-olefin metathesis</i></p>	<p>Paz Trillo <i>Synthesis of α-amino nitriles through $\text{Mo}(\text{CO})_6$ catalyzed reductive functionalization of carboxamides</i></p>	<p>Charlotta Turner <i>From plants to high-value products using "green and clean" supercritical fluid technology</i></p>	<p>Malin Källsten <i>Investigating the complexity of conjugation degree and aggregation determination of novel antibody-drug conjugates.</i></p>	<p>Lingdong Jiang <i>Temperature and pH controlled self-assembly of a protein-polymer biohybrid</i></p>	<p>Per Uvdal <i>The leaves on the tree of evolution: Molecular signatures of fossil cuticles</i></p>
12:40-12:55	<p>Duc Duy Vo <i>Structure-based design of a dual polypharmacology agent for improved treatment of Parkinson's disease</i></p>	<p>Luke Robert Odell <i>Carbonylations beyond aryl-X: Development of new multicomponent reactions</i></p>	<p>Anton Axelsson <i>Synthesis of acylated oxazolidinones via aerobic NHC catalysis</i></p>	<p>Terry Bidleman <i>Neutral bromophenolic compounds in Nordic macroalgae</i></p>	<p>Jerk Rönnöls <i>Structural analysis of lignin with NMR spectroscopy</i></p>	<p>Georgia Pilkington <i>Using neutron reflectivity to reveal the electro-responsive structuring of non-halogenated ionic liquids in polar solvents</i></p>	<p>Johan Gren <i>A multi-proxy approach to molecular and micro-structural investigations of an exceptionally preserved fossil feather</i></p>
12:55-14:30	Lunch	<p>[MA 6] Chemical Abstracts Service Lunch seminar 13:00-14:15</p>	Lunch	<p>[MA 3] Agilent Lunch seminar 13:00-14:30</p>	<p>[MA 2] Teknolab Lunch seminar 13:00-14:30</p>	Lunch	Lunch
14:30-16:00	<p>[Matematikhusets annex] Poster session II Coffee and vendors</p>						
	<p>[MA 7] Session 8 (OC) Medicinal chemistry I (Chair: Kristina Luthman)</p>	<p>[MA 6] Session 9 (OC) Synthetic methodology II (Chair: Abraham Mendoza)</p>	<p>[MA 4] Session 10 (OC) Energy and materials (Chair: Nina Kann)</p>	<p>[MA 3] Session 11 (AC) Forensics, pharmaceuticals and natural drugs (Chair: Jonathan Martin)</p>	<p>[MA 2] Session 12 (AC) Fundamentals and innovations in analytical chemistry (Chair: Jonas Bergquist)</p>	<p>[MA 1] Session 13 (SIT) Theory and biophysical simulations (Chair: Martin Trulsson)</p>	<p>[MA 5] Session 14 (BBM) Visualizing small things (Chair: tba)</p>
Keynote 16:00-16:40	<p>Mikael Elofsson <i>Acylated derivatives of sulfamethoxazole interact with FabF and block Chlamydia fatty acid synthesis - Novel antichlamydial compounds with efficacy in vivo</i></p>	<p>Thomas Poulsen <i>Natural products guiding the search for new therapeutics</i></p>	<p>Sascha Ott <i>Molecular catalysts of energy relevance in metal-organic frameworks</i></p>	<p>Raychelle Burks <i>Boosting the performance presumptive tests with image analysis</i></p>	<p>Masood Kamali Moghaddam <i>Technologies for biomarker discovery and analysis</i></p>	<p>Rita Dias <i>Monte Carlo simulations on the interaction of charged nanoparticles with pH-sensitive polyelectrolytes</i></p>	<p>Linda Sandblad <i>Visualization of intermediate filament like bacterial cytoskeleton by electron microscopy</i></p>

16:40-16:55	Karin Engen <i>Identification, synthesis and evaluation of Imidazo[1,5-α]pyridines as insulin-regulated aminopeptidase (IRAP) inhibitors</i>	Anna Arkhynchuk <i>From McMurry to Wittig via phosphalkenes: novel approach to reductive carbonyl coupling</i>	Steffen Brülls <i>Cationic N-doped π-systems on graphene</i>	Joakim Högbloom <i>Characterization of stationary phases based on preparative chromatography, MS-detection, and multivariate analysis</i>	Anne Farbrot <i>On the role of SFC-MS and stationary phase selectivity for sustainable separations in industry</i>	Ran Friedman <i>Computer simulations of whisky: What happens when spirits are diluted</i>	Ivan Volkov <i>Kinetics of protein synthesis in live cells approached by single-molecule fluorescence microscopy</i>
16:55-17:10	Cassandra Fleming <i>The development of release-and-report kinase inhibitors as molecular tools for investigating neurodegenerative diseases</i>	Anna Leung <i>Method development for deuterated molecule synthesis</i>	Svante Hedström <i>Photoinduced electron transfer in a sensitizer-photocatalyst dyad</i>	Lars Nilsson <i>Proteins and antibodies in serum, plasma and whole blood – size characterization using asymmetrical flow field-flow fractionation (AF4)</i>	Volker Kraft <i>Visually exploring design of experiments models with generalized regression in JMP</i>	Jolla Kullgren <i>Size dependent oxygen chemistry of CeO₂ nanoparticles</i>	Elke Heibisch <i>STED microscopy of DNA and cell-nanostructure-interfaces</i>
17:10-17:25	Linda Lantz <i>Synthesis of an oligothiophene-ruthenium polypyridyl complex, a luminophore for amyloid β aggregates</i>	Matic Hribersek <i>Distal control of aryne capture regioselectivity by shielding of an in situ formed boronate</i>	Jiayin Yuan <i>Nanoporous nitrogen-doped carbon membranes templated by polymers</i>	Daniel Wiktelius <i>Chemical forensics of a chemical warfare agent: A feasibility study on synthesis route attribution using portable vibrational spectroscopy instruments for data collection</i>	Fredrik Limé <i>Organic fused silica material for purifications in reversed phase preparative chromatography at elevated pH</i>	Lars Ojamäe <i>Multiscale modelling of surface reactions and chemical vapor deposition processes</i>	Kajsa Sigfridsson Clauss <i>The metal site viewpoint of proteins revealed by X-ray spectroscopy</i>
17:25-17:40	Daniel Willén <i>Synthetic exploration of xylose analogs</i>	Pardeep Singh <i>Ring opening of bicyclic thiazolo-2-pyridone peptidomimetics by benzyne</i>	Biaobiao Zhang <i>Identifying MnVII-oxo species during electrochemical water oxidation by manganese oxide. A new proposal for O–O bond formation mechanism in PSII.</i>	Lo Gorton <i>Electrochemical communication between bacterial cells and electrodes</i>	Erik Jansson <i>Rapid hydrogen-deuterium exchange in liquid droplets</i>	Chao Zhang <i>Toward first-principles modelling of charged solid-electrolyte interfaces</i>	Karina Thånell <i>Nanochemical imaging: The SoftiMAX beamline</i>
18:00-18:50	[Kårhuset] Plenary 4 (Chair: Martin Jarenmark) Mary Schweitzer <i>Dinosaur biomolecules - How valid are they?</i>						

Tuesday 19 June

09:00-09:50	[Kårhuset] Plenary 5 (Chair: Ulf Ellervik) Klaus Müllen <i>From polyphenylene dendrimers to nanographenes and graphene nanoribbons</i>
09:50-11:00	[Matematikhushets annex] Poster session III Coffee and Vendors

	[MA 7] Session 15 (OC) Medicinal chemistry II (Chair: Jan Kihlberg)	[MA 6] Session 16 (OC) Complex molecules synthesis (Chair: Berit Olofsson)	[MA 4] Session 17 (MS) Proteomics and biological MS (Chair: tba)	[MA 3] Session 18 (EC) Environment and human health (Chair: Estelle Larsson)	[MA 2] Session 19 (SIT) Inorganic and coordination chemistry (Chair: Andrew Kentaro Inge)	[MA 1] Session 20 (SIT) Soft matter structures and life science (Chair: Tommy Nylander)	[MA 5] Session 21 (BBM) Deuterium in biology (Chair: tba)
Keynote 11:15- 11:55	Magnus J. Johansson <i>Development of complementary metal or Brönsted acid catalyzed asymmetric reductive aminations of N-alkyl imines</i>	Abraham Mendoza <i>General and enantioselective synthesis of cyclopropanes</i>	Peter Roepstorff <i>Investigating biodiversity by protein mass spectrometry</i>	Raed Awad <i>Per- and polyfluoroalkyl substances in human milk from Swedish mothers between 1972 and 2016</i> ----- Bo Strandberg <i>Exposure to PAHs in Swedish seamen</i>	Kasper Steen Pedersen <i>Non-innocent coordination chemistry approaches to conductive metal-organic frameworks</i>	Hanne Mörck Nielsen <i>Nanoparticle-mediated drug delivery to lung bacterial biofilms</i>	Zoë Fisher <i>How sweet it is to “see” hydrogen atoms with neutron protein crystallography</i>
11:55- 12:10	Hanna Andersson <i>Product based inhibition of metallo-beta- lactamases</i>	Jakob Danielsson <i>A stereocontrolled annulation of the taccalonolide epoxy lactone onto the molecular framework of trans-androsterone</i>	Chunsheng Jin <i>Isomeric O-glycans separation using ion mobility or PGC LC-ESI mass spectrometry</i>	Terry Bidleman <i>What goes around comes around: The sea-air-land- sea cycle of algal- produced bromoanisoles</i>	Anders Thapper <i>Spectroscopic and computational investigations of high- valent non-heme iron oxo and peroxy species</i>	Daniel Aili <i>Peptide-folding mediated self-assembly and modulation of dynamic hydrogels</i>	Robin Delhom <i>Neutron reflectometry studies on Amphotericin B</i>
12:10- 12:25	Fabio Begnini <i>Design and synthesis of inhibitors of the Keap1- Nrf2 complex</i>	Lukasz Pilarski <i>New reactivity and selectivity driven by organoboronates</i>	Sara Lind <i>A parallel proteomic workflow for mass spectrometric analysis of biobanked tissue samples preserved by different methods</i>	Annette Kraiss <i>Comparing inhalational and dermal exposure of deuterium-labelled bis(2- ethylhexyl) phthalate [DEHP] and diethyl phthalate [DEP]</i>	James Gardner <i>Light absorbing, hole transporting RuII(bipyridine)₃ 2+ thin films: Excited state dynamics and implications for solar energy conversion</i>	Thomas Arnold <i>A comparison of lipid nanodiscs (SMALPs) made from three different polymers and their effects on the exchange of lipids with lipid monolayers</i>	Katarina Koruza <i>Deuteration of biological macromolecules – practical aspects</i>
12:25- 12:40	Maria Ölwegård Halvarsson <i>Building a bioconjugation platform for new modalities: Linker toolbox in medicinal chemistry</i>	Luke Steven Schembri <i>Palladium(0)-catalyzed carbonylative coupling and C-H functionalization of indoles with sulfonyl azides</i>	Anil Incel <i>MIP-binders for sequence specific phosphopeptide capture and multiplex studies of phosphosignaling</i>	Johanna Alkan Olsson <i>How and when did perfluoroalkyl and polyfluoroalkyl substances (PFASs) enter environmental research – a literature review</i>	Zhehao Huang <i>Revealing the structure- property relations of beam sensitive materials by continuous rotation electron diffraction</i>	Ida Svanedal <i>Molecular organization of chelating surfactants adsorbed at the air/water interface</i>	12:25-13:05 The Svedberg prize Lynn Kamerlin <i>Conformational dynamics and the evolution of new enzyme functions</i>

12:40-12:55	Maria Luisa Verteramo <i>Diastereomeric ligands have different effects on free energies of binding to structurally similar binding sites of galectin-1 and galectin-3</i>	Rikard Unelius <i>Synthesis of bicyclic ketals for use in chemical ecology</i>	Scarlet Koch <i>Trapped ion mobility spectrometry with parallel accumulation - serial fragmentation (TIMS-PASEF): Pushing the limits of shotgun proteomics analysis</i>	Hlanganani Tutu <i>Uranium transport through hydrous ferric oxide modified zeolite medium (HFOMZ)</i>	Andy Ohlin <i>Protonation and exchange kinetics in polyoxometalates</i> 12:55-13:00 Anna Sundström award ceremony 13:00-13:15 Majid Safdari <i>Organic-inorganic metal halide materials for solid state solar cells</i>	Axel Rüter <i>Constant Width Ribbons in the A10K Model Peptide System</i>	
13:00-14:30	Lunch	[MA 6] Magritek Lunch seminar 13:00-14:15	[MA 4] Agilent Lunch seminar 13:00-14:30	[MA 3] Merck Lunch seminar 13:00-14:15	Lunch	[MA 1] GISANS Summit 13:00-14:30	Lunch
14:30-16:00	[Matematikhusets annex] Poster session IV Coffee and Vendors	[Matematikhusets annex] Poster session IV Coffee and Vendors	[MA 4] Annual meeting Swedish Mass Spectrometry Society	[Matematikhusets annex] Poster session IV Coffee and Vendors	[MA 2] Annual meeting Division of Inorganic chemistry	[MA 1] GISANS Summit (cont.) 14:30-15:30	[MA 5] Annual meeting Division of Vibrational spectroscopy
	[MA 7] Session 22 (OC) Organometallic chemistry (Chair: Ola Wendt)	[MA 6] Session 23 (OC) Physical organic chemistry (Chair: Ulf Ellervik)	[MA 4] Session 24 (MS) MS imaging and metabolomics (Chair: tba)	[MA 3] Session 25 (AC) Materials and environmental analysis (Chair: Anne Farbrot)		[MA 1] Session 26, 27 (SIT) Advanced functional materials (Chair: Andreas Orthaber) & AkzoNobel Nordic prize symposium (Chair: Michael Persson)	[MA 5] Session 28 (VS) Vibrational spectroscopy (Chair: tba)
Keynote 16:00-16:40	King Kuok (Mimi) Hii <i>The role of oxidants in Pd-catalysed C-H activation/C-C and C-O bond forming reactions</i>	Henrik Ottosson <i>Putting Baird's rule on excited state aromaticity and antiaromaticity into action</i>	Ingela Lanekoff <i>Nano-DESI MS imaging and spatially resolved capillary electrophoresis MS for novel investigations of endogenous metabolites</i>	Jonathan Martin <i>Exposing exposomes and environmental contamination by non-target high resolution mass spectrometry</i>		Anja-Verena Mudring <i>Efficient emitter materials for light emitting electrochemical cells</i>	Hans Bechtel <i>Committing synchrotron infrared nano-spectroscopy and other acts of infrared</i>
16:40-16:55	Kilian Colas <i>Synthesis of ketones from carboxylic acids using Grignard reagents and turbo-Hauser bases</i>	Emma Danelius <i>Conformational ensemble analysis of macrocycles in solution</i>	Per Andrén <i>Near complete mapping of brain neurotransmitters with mass spectrometry imaging directly in tissue sections</i>	Claudia Patriarca <i>Innovations in dissolved organic matter analysis</i>		Gulaim Seisenbaeva <i>Specific functionalization of the surface – key for molecular recognition approach</i>	Raphael Horvath <i>Single-shot microsecond-resolved spectroscopy of the bacteriorhodopsin photocycle with quantum cascade laser frequency combs</i>

16:55-17:10	<p>Timothy Elton <i>Organic hydride donor metal complexes: Towards CO₂ reduction</i></p>	<p>Kjell Jorner <i>Quantifying aromatic stabilization for photochemistry</i></p>	<p>Heather Hulme <i>Mapping the distribution of neuropeptides using mass spectrometry imaging</i></p>	<p>Björn Stolpe <i>Size characterization of SiO₂ nanoparticles using centrifugal liquid sedimentation, electrospray differential mobility analysis, and dynamic light scattering</i></p>	<p>Jiayin Yuan <i>Nanoporous poly(ionic liquid) gradient membrane actuators</i></p>	<p>Andreas Barth <i>Amyloid β-peptides 1-40 and 1-42 form oligomers with mixed β-sheets according to experimental and computational isotope-edited infrared spectroscopy</i></p>
17:10-17:25	<p>Olga Gordivska <i>Iron N-Heterocyclic carbene complexes as photosensitizers</i></p>	<p>Behabitu Tebikachew <i>Effect of ring strain on the charge transport of a robust norbornadiene-quadracyclane-based molecular photoswitch</i></p>	<p>Katharina Herzog <i>Diet or surgery - A multi-platform metabolomics approach to investigate metabolic changes induced by caloric restriction and gastric bypass surgery</i></p>	<p>Daniel Molins-Delgado <i>Determination of insect repellents in surface waters from European rivers using on-line solid phase extraction-liquid chromatography-APPI-tandem mass spectrometry</i></p>	<p>17:10-17:20 Short break</p>	<p>Per Ola Andersson <i>Rapid detection of harmful species using vibrational spectroscopy</i></p>
17:25-17:40	<p>Alexey Polukeev <i>Medium-dependent structure of iridium dihydride complexes</i></p>	<p>Scott Wilcox <i>Probing halogen bonding via paramagnetic NMR</i></p>	<p>Anas Kamleh <i>Improved metabolome coverage and increased confidence in unknown identification through novel automated acquisition strategy combining sequential injections and MSn</i></p>	<p>Hafiz Abdul-Azeem <i>Additive assisted dispersive liquid-liquid micro-extraction and gas chromatography mass spectrometry for trace analysis of a secondary biogenic emission marker in atmospheric aerosols.</i></p>	<p>Akzo Nobel Nordic prize symposium</p> <p>Keynote 17:20-17:45 Martin Malmsten <i>Surface chemistry of host defense peptides - from mode-of-action to delivery</i></p>	<p>Adrien Sthoer <i>Cations interactions with the carboxylic acid moiety: Ion specific effect revealed by Vibrational Sum Frequency Spectroscopy</i></p>
					<p>Akzo Nobel Nordic prize symposium (cont.) 17:45-18:10 Erik Wetterskog <i>Colossal magnetic anisotropy in low dimensional arrays of iron oxide nanocrystals: Self-assembly and dynamic magnetic characterization</i></p>	
					<p>18:10-18:35 Magnus Nydén <i>Combining fundamental/theoretical knowledge with data driven methods for a paradigm shift in specialty chemicals development</i></p>	
19:00-22:00	<p>Conference dinner at AF-borgen (Sandgatan 2, Lund)</p>					

Wednesday 20 June

[Kårhuset]

09:30-
10:20

Plenary 6 Torbern Bergman Prize (Chair: Jonas Bergquist)

Jonathan Sweedler

Mass Spectrometry-based single cell chemical characterization of the cells in the brain?

10:20-
11:00

[Gasquesalen] Annual meeting

Division of organic chemistry

11:00-
11:50

Plenary 7 (Chair: Kenneth Wärnmark)

Daniel Nocera

Food and fuel from sunlight, air and water

11:50-
12:30

Poster prizes and closing remarks

001	(AC) Analysis of biological samples Hatem Elmongy: <i>Development of UHPLC-HRMS method for the simultaneous determination of endogenous anabolic steroids and their metabolites for blood doping control in sports</i>
002	(BBM) Deuterium in biology Wolfgang Knecht: <i>LP3 and DEMAX</i>
003	(AC) Analysis of biological samples Anders Fridström: <i>Elimination of matrix effects in multi-class, multi-residue LC-MS/MS analysis by biocompatible solid phase microextraction</i>
004	(BBM) Deuterium in biology Manuel Orozco: <i>Human dihydroorotate dehydrogenase</i>
005	(AC) Analysis of biological samples Giuliana Grasso: <i>Affinity capture and lc-ms detection of sphingosine 1-phosphate and fingolimod phosphate using molecularly designed sorbents</i>
006	(BBM) Paleochemistry Randolph De La Garza: <i>Biochemistry of a 54 million-year-old sea turtle from Denmark</i>
007	(AC) Analysis of biological samples Alessandro Quaranta: <i>N-glycosylation profiling of specific proteins in human serum and CSF by immunoaffinity purification and Hi-Res MS</i>
008	(BBM) Paleochemistry Miriam Heingård: <i>Beta-keratin in the fossil record – biochemical and ultrastructural evidence from 54 million-year-old bird feathers</i>
009	(AC) Analysis of biological samples Zahra Taleat: <i>Effect of anticancer drug, Tamoxifen, on catecholamine transmitter release and storage from single cells</i>
010	(BBM) Paleochemistry Katarzyna Zaremba-Niedzwiedzka: <i>Microbiology of fossils: Characterization of Trassic dinosaur bones</i>
011	(AC) Forensics, pharmaceuticals and natural drugs Nicoló Riboni: <i>DESI-HRMS determination of new psychoactive substances in saliva</i>
013	(AC) Forensics, pharmaceuticals and natural drugs Jakob Wallgren: <i>Synthesis and characterization of potential metabolites of new psychoactive substances</i>
014	(BBM) Visualizing small things Ivan Volkov: <i>Kinetics of protein synthesis in live cells approached by single-molecule fluorescence microscopy</i>
015	(AC) Fundamentals and innovations in analytical chemistry Jingwen Cui: <i>Spectroscopic study on the mixture of two solvent extremes - CO₂ and water: Polarity and acidity</i>
016	(EC) Environment and human health Raed Awad: <i>Emerging per- and polyfluoroalkyl substances (PFASs) in sludge and effluent from Swedish wastewater treatment plants</i>

- 017 (AC) Fundamentals and innovations in analytical chemistry
Karl-Gustav Wahlund: Optimization of asymmetrical flow FFF separations
- 018 (EC) Environment and human health
Shira Joudan: *Biological cleavage of the C-P bond in perfluoroalkyl phosphinic acids in male Sprague Dawley rats and the formation of persistent and reactive metabolites*
- 019 (AC) Fundamentals and innovations in analytical chemistry
Karl-Gustav Wahlund: *This is analytical chemistry!*
- 020 (EC) Environment and human health
Pingping Meng: *How does the interfacial behaviour of PFAAs at air-water interfaces influence their distribution, transportation and remediation?*
- 021 (AC) Materials and environmental analysis
Susanne Boija: *Full evaporation headspace: Safe and fast extraction method for monomers in quality control*
- 023 (AC) Materials and environmental analysis
Lisa D'Agostino: *Combined LC-HRMS and GC-HRMS approach for characterization of atmospheric aerosols and discovery of persistent organic contaminants*
- 024 (MS) MS imaging and metabolomics
Masoumeh Dowlatshahi Pour: *Altered lipid composition of secretory cells following exposure to zinc can be correlated to changes in exocytosis*
- 025 (AC) Materials and environmental analysis
Hwanmi Lim: *Automated 2D-LC/2D-GC system for polycyclic aromatic hydrocarbon determination in particulate matter: A focus on PAH isomer separation*
- 026 (MS) MS imaging and metabolomics
Amir Saeid Mohammadi: *Cellular lipid membrane alterations induced by cisplatin measured using high energy gas cluster ion beam SIMS*
- 027 (AC) Materials and environmental analysis
Fiona Maungo Nermark: *Physicochemical characterization of morupule coal*
- 028 (MS) MS imaging and metabolomics
Per Nilsson: *Untargeted serum metabolite profiling of colorectal cancer using GC-Orbitrap technology*
- 029 (AC) Materials and environmental analysis
Mingzhe Sun: *Comprehensive on-line two-dimensional liquid chromatography X supercritical fluid chromatography of lignin-derived compounds*
- 030 (MS) Proteomics and biological MS
Patrik Ek: *Trapped ion mobility spectrometry with parallel accumulation - serial fragmentation (TIMS-PASEF): Pushing the limits of shotgun proteomics analysis*
- 031 (AC) Materials and environmental analysis
Christian Sögaard: *Stability of silica nanoparticle gels*
- 032 (MS) Proteomics and biological MS
Kristina Thomsson Hulthe: *Recombinant O-linked glycosylation mimic of an osteoarthritic biolubricating protein*

- 033** (AC) Plants, natural products and food analysis
Anders Fridström: *Determination of PAHs in paprika powder using a novel SPE cartridge and dedicated GC stationary phase*
- 034** (MS) Proteomics and biological MS
Hong Yan: *Swedish national infrastructure for biological and medical mass spectrometry*
- 035** (AC) Plants, natural products and food analysis
Francesco Iadaresta: *Semi-quantitative characterization of lipid samples using nuclear magnetic resonance spectroscopy*
- 036** (SIT) Advanced functional materials
Rana Alimohammadzadeh: *Catalytic improvement of the strength properties of cellulose and lignocellulose*
- 037** (AC) Fundamentals and innovations in analytical chemistry
Pieter E. Oomen: *Platinized carbon nanotip electrodes for glutamate sensing*
- 038** (SIT) Advanced functional materials
Ishita Jalan: *Effect of aggregation on squaraine fullerene bulk-heterojunction organic photovoltaic devices*
- 039** (OC) Catalysis
Antonino Biundo: *Chemo-enzymatic transformation of cyclic monoterpenes to activated monomers for polymerization*
- 040** (SIT) Advanced functional materials
Khushbu Kushwaha: *Perylene based liquid chromophore*
- 041** (OC) Catalysis
Yutang Li: *Asymmetric ring-opening of meso-epoxides by coordination-desymmetrized C₂-ligands*
- 042** (SIT) Advanced functional materials
Gerd Meyer: *From "non-existent" binary polar intermetallics to new T/Sn/Pr (T = Co, Pt) ternaries*
- 043** (OC) Catalysis
Kathiravan Suppan: *Ruthenium(II)-catalysed alkylation of carboxylic acids*
- 044** (SIT) Advanced functional materials
Andreas Orthaber: *Phosphorus the carbon copy molecular tuning of π -conjugated materials*
- 045** (OC) Catalysis
Shaoqi Zhan: *Artificial photosynthesis catalysts dancing on carbon nanotubes*
- 046** (SIT) Advanced functional materials
Henrik Pedersen: *Some recent understanding of the gas phase chemistry in chemical vapour deposition of B_xC and SiC*
- 047** (OC) Chemical biology
David Andersson: *The academic compound collection (ACC) – Linking organic synthesis and applied life sciences*
- 048** (SIT) Advanced functional materials
Martin Ratsch: *Covalent organic framework films on surfaces*

049	(OC) Chemical biology Elisabet Artursson: <i>Pairs of enantiomeric inhibitors of acetylcholinesterase examined by stopped-flow and X-ray crystallography</i>
050	(SIT) Advanced functional materials Nils Rosemann: <i>Nonlinear optical response of tetraphenyladamantane: Amorphous versus crystalline states</i>
051	(OC) Chemical biology Ola Blixt: <i>ABO-blood group antigen decorated giant unilamellar vesicles reveals distinct interactions with Plasmodium falciparum infected red blood cells</i>
052	(SIT) Advanced functional materials Karl Rönnby: <i>Indium nitride surface structures and chemical mechanisms</i>
053	(OC) Chemical biology Erik Chorell: <i>Chemical Biology Consortium Sweden (CBCS) - Bridging the gap between researchers and bioactive small molecules</i>
054	(SIT) Advanced functional materials ISAK SHAIKH: <i>Multiwalled carbon nanotube reinforced silica aerogel by ambient pressure drying: Preparation, characterisation and applications</i>
055	(OC) Chemical biology Daniel Globisch: <i>Unique chemical biology methods for advanced metabolic biomarker discovery strategies</i>
056	(SIT) Advanced functional materials Xia Wang: <i>Silicoaluminophosphate-templated activated carbons</i>
057	(OC) Chemical biology Christian Pett: <i>Exploring the Minisci reaction for enrichment and chemo-proteomic analysis of nucleotidoylated host proteins from intracellular bacterial infection</i>
058	(SIT) Inorganic and coordination chemistry Cyrielle Dazem: <i>Structural diversity of oxalate-based copper(II) compounds associated with pyridinium derivatives as counter cations</i>
059	(OC) Chemical biology Ruisheng Xiong: <i>Paramagnetic ligand tagging to identify ligand-protein binding sites</i>
060	(SIT) Inorganic and coordination chemistry Lars Eriksson: <i>DFT predictions of Prussian blue structures</i>
061	(OC) Chemical biology Jun Zhang: <i>Synthesis and characterization of phenolic bis-styryl-benzo [c]-1,2,5-thiadiazoles as long-wavelength probes for imaging of Aβ aggregates in Alzheimer's disease</i>
062	(SIT) Inorganic and coordination chemistry Erik Grape: <i>The first example of a reversibly flexible bismuth metal-organic framework</i>
063	(OC) Complex molecules synthesis Alex Cravcenco: <i>Triplet to singlet energy transfer in composite molecules</i>
064	(SIT) Inorganic and coordination chemistry Arvind Kumar Gupta: <i>Silyl acetylene copper complexes: A cubane to cluster transformation</i>

065	(OC) Complex molecules synthesis Lisa De Groot: <i>Linearly fused Tröger's base and other applications of the Tröger's base scaffold</i>
066	(SIT) Inorganic and coordination chemistry Ken Inge: <i>Solvomorphism in the active pharmaceutical ingredient bismuth subgallate: 1D, 2D and 3D coordination polymers</i>
067	(OC) Energy and materials Ute Cappel: <i>Photo-induced chemical changes in mixed-ion perovskites for solar cells</i>
068	(SIT) Inorganic and coordination chemistry Vadim Kessler: <i>Molecular mechanisms in mineral nanoparticle interactions with proteins</i>
069	(OC) Energy and materials Wilfred Fullagar: <i>Chemical incentives of Lund's fs laser driven X-ray + low-T thermal detector program</i>
070	(SIT) Inorganic and coordination chemistry Krzysztof Kolman: <i>Aggregation of nanoparticles in presence of organic molecules and ions – experiment and simulation</i>
071	(OC) Energy and materials Leandro Cid Gomes: <i>Metal-free photochemical functionalization of graphene using hydrosilanes, -germanes and -stannanes</i>
072	(SIT) Inorganic and coordination chemistry Arup Sinha: <i>Hydrogen-atom (HAT) and oxygen-atom transfer (OAT) reactivity of non-heme Fe(IV)-oxo complexes bearing a mono or bisquinoline substituted pentadentate ligand</i>
073	(OC) Energy and materials Mark Johnstone: <i>Self-assembled materials for solar energy conversion</i>
074	(SIT) Inorganic and coordination chemistry Fredric Svensson: <i>Structural diversity in phosphonate binding to oxo-titanium cores</i>
075	(OC) Medicinal chemistry David Andersson: <i>Improving insecticidal potency of inhibitors of mosquito acetylcholinesterase 1</i>
076	(SIT) Inorganic and coordination chemistry Fredric Svensson: <i>Titanium alkoxide complexes as molecular models for surface interaction between drug and sol-gel derived titania nanoparticles for drug delivery</i>
077	(OC) Medicinal chemistry Katriann Arja: <i>Synthesis and characterization of novel fluoro-glycosylated porphyrins that can be utilized as theranostic agents</i>
079	(OC) Medicinal chemistry Andrea Benediktsdottir: <i>Design and synthesis of a novel sulfonimidamide conjugated oligopeptides – towards antibiotic peptides</i>
080	(SIT) Nanostructures and hybrid materials Jean-François Boily: <i>Thin water and ice films in layered aluminosilicates</i>

081	(OC) Medicinal chemistry Alexander Dahlqvist: <i>C-galactosides – Galectin glycomimetic inhibitor scaffolds</i>
083	(OC) Medicinal chemistry Johan Gising: <i>European gram-negative antibacterial engine - ENABLE</i>
084	(SIT) Nanostructures and hybrid materials Nassima El Miri: <i>Cellulose nanocrystals: A promising agent for biobased food packaging application</i>
085	(OC) Medicinal chemistry Anette Gjörlöf Wingren: <i>Macrophage-uptake of sialic acid-targeted molecularly imprinted polymers (MIPs)</i>
087	(OC) Medicinal chemistry Lars Hederstedt: <i>Electron transfer from Enterococcus faecalis cells to electrodes</i>
088	(SIT) Nanostructures and hybrid materials Michael Holmboe: <i>Atomistic simulations of smectite hydration processes</i>
089	(OC) Medicinal chemistry Björn Holm: <i>Accelerating drug discovery through a fully automated design-make-test-analyze workflow</i>
090	(SIT) Nanostructures and hybrid materials Anna Lidskog: <i>Towards high fidelity stimuli-controlled self-assembly</i>
091	(OC) Medicinal chemistry Rebecka Isaksson: <i>Novel analogues of the AT₂R prototype antagonist C38 and their binding mode</i>
092	(SIT) Nanostructures and hybrid materials Jerry Lindholm: <i>Modelling water adsorption isotherms obtained from smectite interlayer nanopores</i>
093	(OC) Medicinal chemistry Emil Johansson: <i>Design of multivalent sialic acid conjugates as cell attachment inhibitors of sialic acid recognizing viruses</i>
094	(SIT) Nanostructures and hybrid materials Ievgen Pylypchuk: <i>Enhanced performance and stability of enzymes immobilized on magnetic SiO₂-DTPA nanocomposites</i>
095	(OC) Medicinal chemistry Adrian Krzyzanowski: <i>Total synthesis of natural-products-inspired small molecules with potential antimicrobial activity</i>
096	(SIT) Nanostructures and hybrid materials Kumkum Sharma: <i>Stimuli-controlled self-assembly of diverse tubular aggregates from one single small monomer</i>
097	(OC) Medicinal chemistry Arvind Kumar: <i>Amide bond bioisosteres: Development of a novel class of antichlamydial compounds</i>

098	(SIT) Nanostructures and hybrid materials Bin Wang: <i>Towards automated data collection for continuous rotation electron diffraction: current status and development</i>
099	(OC) Medicinal chemistry Anders Lindgren: <i>Design, synthesis and evaluation of bicyclic 2-pyridones to combat healthcare-associated infections</i>
100	(SIT) Nanostructures and hybrid materials Tom Willhammar: <i>Microstructural study of soft matter using scanning electron microscopy</i>
101	(OC) Medicinal chemistry Mukul Mahanti: <i>Sulfone-based galectin-3 inhibitors to target a new pocket near the canonical CRD</i>
102	(SIT) Soft matter structures and life science Andreas Barth: <i>Amyloid β-peptides 1-40 and 1-42 form oligomers with mixed β-sheets where each peptide contributes at least two adjacent strands</i>
103	(OC) Medicinal chemistry Katarzyna Palica: <i>Development of metallo-β-lactamase inhibitors to control antibiotic resistance</i>
104	(SIT) Soft matter structures and life science Erik Bergendal: <i>Self-assembly induced 3D patterning at the water-air interface studied with neutron reflectivity and AFM</i>
105	(OC) Medicinal chemistry Stefan Peintner: <i>The solvent polarity dependence of macrocycles' conformations</i>
107	(OC) Medicinal chemistry Souvik Sarkar: <i>Re-sensitization of mycobacterium tuberculosis by Δ2-thiazolino ring fused 2-pyridones: A novel strategy for anti-mycobacterial drug development</i>
108	(SIT) Soft matter structures and life science Emil Gustafsson: <i>Understanding blood cell stabilization – Effect of plasticizer on lipid monolayers</i>
109	(OC) Medicinal chemistry Tina Seifert: <i>A photoaffinity labeling approach towards binding site identification of chroman-4-one based sirtuin 2 inhibitors</i>
110	(SIT) Soft matter structures and life science Solmaz Hajizadeh: <i>Immobilization of molecularly imprinted particles on cryogel for hemoglobin purification</i>
111	(OC) Medicinal chemistry Tameryn Stringer: <i>Synthesis, characterisation and biological evaluation of Ru(II) and Ir(III) quinoline complexes</i>
112	(SIT) Soft matter structures and life science Andrew Jackson: <i>Self-assembly in deep eutectic solvents: From surfactant aggregation to protein folding</i>

113	(OC) Medicinal chemistry Mohit Tyagi: <i>Probing the effect of amide shielding on cell permeability of macrocycles inspired by natural products</i>
114	(SIT) Soft matter structures and life science Johan Larsson: <i>Surface and colloidal properties of hexadecyl-maltopyranoside</i>
115	(OC) Medicinal chemistry Hermina Wieske: <i>Conformational analysis of rifampicin in solution</i>
116	(SIT) Soft matter structures and life science Milad Radiom: <i>Effect of temperature on surface interaction forces in tetraalkylphosphonium-Bis(mandelato)borate ionic liquids</i>
117	(OC) Medicinal chemistry Jie Yang: <i>Macrocyclic peptides as inhibitors of human LSD1</i>
118	(SIT) Soft matter structures and life science Elisamaria Tasca: <i>F127 pluronic in coformulation with sodium cholate as hosting system for doxorubicin</i>
120	(SIT) Soft matter structures and life science Lei Ye: <i>Nanoparticle-supported polymer brushes for temperature-regulated glycoprotein separation</i>
121	(OC) Organometallic chemistry Petter Dunås: <i>Enzyme and transition metal-based tools for the valorization of biomass building blocks</i>
122	(SIT) Soft matter structures and life science Sing Yee Yeung: <i>Reversible self-assembled monolayers: Stimuli-responsive lipid bilayer liked monolayers for protein, virus and cell recognition</i>
123	(OC) Organometallic chemistry Cassandra Hayes: <i>The development of first-row transition metal catalysts containing a hydroxypyridine-based ligand</i>
124	(SIT) Theory and biophysical simulations Dora Bardfalvy: <i>Lattice Boltzmann simulations of collective phenomena in microswimmer suspensions</i>
125	(OC) Organometallic chemistry Valtýr Hlynsson: <i>Highlights in improving iron based photosensitisers</i>
126	(SIT) Theory and biophysical simulations Pavel Chábera: <i>Ultrafast Dynamics in Iron Carbene Photosensitizers</i>
127	(OC) Organometallic chemistry Fredric Ingner: <i>Green conditions for the synthesis of aryl-Au(I) complexes</i>
128	(SIT) Theory and biophysical simulations Svante Hedström: <i>Electronic-structure effects in cluster models of copper electrocatalysts with subsurface oxygen</i>

129	(OC) Organometallic chemistry Jagadeesh Kalepu: <i>Distal control over aryne distortion and regioselectivity using organotransition metal units</i>
130	(SIT) Theory and biophysical simulations Malin Lücking: <i>Chemical, structural and dynamical studies of substrate binding in variants of Alcohol Dehydrogenase A explain changes in reactivity achieved by directed evolution</i>
131	(OC) Organometallic chemistry Oleksandr Kravchenko: <i>Stable CAAC-based complexes in dynamic olefin metathesis</i>
132	(SIT) Theory and biophysical simulations Henrik Nordanger: <i>Diffusion of anisotropic tracers in microswimmer suspensions</i>
133	(OC) Organometallic chemistry Om Prakash: <i>N-heterocyclic carbene based iron complexes as promising photosensitizers</i>
134	(SIT) Theory and biophysical simulations Petter Persson: <i>Quantum photoelectrochemistry</i>
135	(OC) Organometallic chemistry Lars Öhrström: <i>Conformational chiral polymorphism in cis-bis-triphenylphosphine complexes of transition metals</i>
136	(SIT) Theory and biophysical simulations Marco Polimeni: <i>Virtual cell model for osmotic pressure calculations in protein solutions</i>
137	(OC) Physical organic chemistry Eszter Borbas: <i>Small changes, large effects: Manipulating lanthanide emission efficiency by changing the metal binding site</i>
138	(SIT) Theory and biophysical simulations Hilda Sandström: <i>Quantum chemical evaluation of inverted membrane stability on the surface titan</i>
139	(OC) Physical organic chemistry Ulrika Brath: <i>High sensitivity and quantitative NMR spectroscopy at the Swedish NMR Centre</i>
140	(SIT) Theory and biophysical simulations Martin Trulsson: <i>Discontinuous shear-thickening suspension flows under confining pressure</i>
141	(OC) Physical organic chemistry Dan Johnels: <i>Virtual reality in chemistry education</i>
142	(VS) Vibrational spectroscopy Hans Christian Becker: <i>Low noise picosecond fiber laser pumped OPO for improved sensitivity in coherent Raman microscopy</i>
143	(OC) Physical organic chemistry Nina Kann: <i>Experiences from teaching sabbaticals in Singapore and the US</i>
144	(VS) Vibrational spectroscopy Nils Lenngren: <i>Simultaneous measurement of transient absorption and femtosecond stimulated Raman spectroscopy at ELI beamlines</i>

145	(OC) Physical organic chemistry Sofia Lindblad: <i>Asymmetric [N-X-N]⁺ halogen bonds in solution</i>
146	(VS) Vibrational spectroscopy Katarzyna Piela: <i>The quasi-liquid layer of ice on mesoporous silica characterized by confocal Raman spectroscopy</i>
147	(OC) Synthetic methodology Derar Al-Smadi: <i>Chemical synthesis of substrates (aldehydes) and product (aldols) for use in characterization of recombinant aldolases</i>
148	(VS) Vibrational spectroscopy Sanghamitra Sengupta: <i>The neat water-vapour interface: Proton continuum and non-resonant background</i>
149	(OC) Synthetic methodology Andreas Ekebergh: <i>Ruthenium catalyzed transfer semi-hydrogenation of alkynes</i>
150	(VS) Vibrational spectroscopy Adrien Sthoer: <i>Cations interactions with the carboxylic acid moiety: ion specific effect revealed by Vibrational Sum Frequency Spectroscopy</i>
151	(OC) Synthetic methodology Merve Ergun Dönmez: <i>Functionalization of fullerenes via metal catalysed hydroarylation</i>
153	(OC) Synthetic methodology Gabriella Kervefors: <i>Regiospecific N-arylation of aliphatic amines under mild and metal-free conditions</i>
155	(OC) Synthetic methodology Marcus Reitti: <i>The photochemistry of hypervalent iodonium reagents</i>
157	(OC) Synthetic methodology Manojveer Seetharaman: <i>Ru-catalyzed completely deoxygenative coupling of 2-arylethanol through base-induced net decarbonylation</i>
159	(OC) Synthetic methodology Alan Vanderkooy: <i>Polymeric halofunctionalization reagents</i>
161	(OC) Synthetic methodology Johan Wennerberg: <i>Potent compound manufacturing at pilot plant scale. Development of a method for production of the cytostatic agent melflufen</i>