

Scientific program

Monday, August 25

Registration (Learning Center)

12:00-13:30

Registration (Main Building)

14:00-18:00

Oral Session 1 (Main Building, Aula, 2nd floor)

Chairperson: András Perczel

14:00-14:45

Opening Ceremony

14:45-15:45

PL-1

B. L. Feringa: Exploring Dynamic Chirality

Coffee Break (Main Building)

15:50-16:20

Oral Session 2 (Main Building, Aula, 2nd floor)

Chairperson: András Perczel

16:20-17:00

PL-2

Y. Ye: Characterization of Novel Sesquiterpenoids from *Artemisia hedinii* and Their Anti-Fibrotic Potential

17:00-17:40

PL-3

J. Lacour: Stereochemical journey among carbocations and precursors

Welcome Reception (Main Building, 3rd floor)

18:00-21:00

dedicated to JASCO Global

Tuesday, August 26

Oral Session 3 (Learning Center, room LC 0.14)

Chairperson: Christian Merten

8:30-9:10	PL-4	N. A. Kotov: Chiral Nanostructures: Next Steps
09:10-9:35	IL-1	T. Bürgi: Atomically Precise Monolayer-Protected Metal Clusters: Chiroptical Properties And Dynamic Nature
09:35-9:55	IL-2	J. Crassous: Exciton Coupling Chirality in Helicene Derivatives

Coffee Break (Learning Center)

9:55-10:25

Oral Session 4 (Learning Center, room LC 0.14)

Chairperson: Jérôme Lacour

10:25-10:45	IL-3	K. Matsuo: Mechanism of Amyloid Fibril Formation of α -Synuclein Interacted with Membrane Analyzed by Vacuum-Ultraviolet Circular Dichroism and Linear Dichroism
10:45-11:05	IL-4	J. Olesiak-Bańska: Probing Chiral Nonlinear Optical Properties in Noble Metal Nanoclusters
11:05-11:25	IL-5	C. Zhang: Discovery and Biosynthesis of Natural Products From Marine Actinomycetes
11:25-11:40	OC-1	R. Kuroda: Chiral Self-assembly of Achiral Metal Porphyrins Studied by Solution and Solid-state CD spectroscopy
11:40-11:55	OC-2	A. Kaczor: Unique Vibrational Circular Dichroism (VCD) of Carbon Dots
11:55-12:10	OC-3	K. Várnagy: Application of CD spectroscopy in characterizing interactions between tau protein fragments and metal ions
12:10-12:25	OC-4	S. H. Pathan: Chiroptical stimuli-responsive behavior of water-soluble chiral polyacetylene polymers

Oral Session 5 (Learning Center, room LC 2.13)

Chairperson: Grégory Pieters

10:25-10:40	IL-6	F. Santoro: ECD Response Symmetric in Cyclic Systems: Comparing the Jahn-Teller and Exciton-Exciton Picture
10:40-10:55	IL-7	M. Górecki: Investigating Solvatomorphism by CD Spectroscopy
10:55-11:10	IL-8	A. Micsonai: Investigation of the topological and spectral diversity of G-quadruplexes by CD spectroscopy
11:10-11:25	OC-5	J. Cheeseman: Simulation of Resonance Raman Optical Activity Spectra for Cobalt Complexes
11:25-11:40	OC-6	M. Pazderková: Stereochemical Analysis of P-chirogenic Compounds using Chiroptical Spectroscopies and Quantum-Chemical Calculations
11:40-11:55	OC-7	N. Kordestani: A Novel Chiroptical Spectroscopy Method Based on X-ray Circular Dichroism
11:55-12:10	OC-8	E. Machalska: CPL, ECD, ROA and VCD of chiral heptazine-based compounds with inverted singlet-triplet states
12:10-12:25	OC-9	J. Kessler: Chirality Detection with Gold Nanowires

Lunch (Learning Center)

12:25-13:45 dedicated to BioTools

Oral Session 6 (Learning Center, room LC 0.14)

Chairperson: Jeanne Crassous

13:45-14:05	IL-9	J. Kardos: Protein CD spectroscopy in the AlphaFold Era
14:05-14:25	IL-10	B. Wang: Structure and stereochemical assignments of various natural

14:25-14:45	IL-11	products from marine-sourced fungi P. L. Polavarapu: How Important are Dimers for Interpreting the Chiroptical Properties of Carboxylic Acids?
14:45-15:00	OC-10	V. Valev: Chiral Light Scattering: Solving a 40-Year-Old Puzzle
15:00-15:15	OC-11	Y. Chen: Directional Crystal Motions Controlled by Chirality
15:15-15:30	OC-12	D. Levshov: Quantifying Enantiomeric Excess of Carbon Nanotube Solutions Using Chiroptical Spectroscopy and Hyperspectral Fluorescence Microscopy

Oral Session 7 (Learning Center, room LC 2.13)

Chairperson: Kenji Monde

13:45-14:00	IL-12	C. A. Guido: Exploring Chiral Electronic Transitions: From Chiroptical Spectroscopies to Electron Beam Probes
14:00-14:15	IL-13	E. Santoro: Inherently Chiral Macrocycles Arenes for Chiral Sensing
14:15-14:30	OC-13	T. Wu: Raman Optical Activity Spectroscopy as a Sensitive Tool for Detecting Lanthanide Optical Activity
14:30-14:45	OC-14	J. E. Rode: UV-vis and ECD Spectroelectrochemistry and MCD spectra of Naphthalenediimides
14:45-15:00	OC-15	B. Kovács: Structural Elucidation of a Cationic Peptide Nanotube: the Peptide Bilayer Model
15:00-15:15	OC-16	A. F. Perez Mellor: A New Frontier in VCD: Fast and Dynamic Chiral Analysis
15:15-15:30	OC-17	M. Hałat: Chirality Transfer in Macro- and Supramolecules: an ROA study

Coffee Break (Learning Center)

15:30-16:00

Oral Session 8 (Learning Center, room LC 0.14)

Chairperson: Prasad L. Polavarapu

16:00-16:20	IL-14	M. Oppermann: Ultrafast chiral spectroscopy for stereocontrolled photochemistry
16:20-16:40	IL-15	Y. Liu: The Acetal Chemistry in Asymmetric Catalysis: Thermodynamic versus Kinetic Control
16:40-16:55	IL-16	G. Zajac: From Corrinoids to Heme Proteins: Structural Dynamics of Biochromophores Tracked by Resonance ROA
16:55-17:15	OC-18	X. Wan: π -Hole Bond-Enhanced Enantioselective Discrimination of Helical Polyacetylenes as Chiral Stationary Phases for High-Performance Liquid Chromatography
17:15-17:30	OC-19	T. Beke-Somfai: Assembly Formation of Peptide Supramolecules Tracked by Polarized Light Spectroscopy

Oral Session 9 (Learning Center, room LC 2.13)

Chairperson: Petr Bouř

16:00-16:20	IL-17	F. Zinna: Spectroscopic features of chiral materials enabling chiral photonics and electronics
16:20-16:40	IL-18	A. Tanatani: Chiral Properties of Helical Aromatic Squaramides
16:40-16:55	OC-20	C. Maxim: Tuning the Chiroptical Properties in Zn(II) Amino Acids-helical polymers
16:55-17:10	OC-21	V. Andrushchenko: VCD Beyond Solutions
17:10-17:25	OC-22	A. Wajda: Integrative Analysis of Amyloid Fibrils: Chiral Spectroscopy Meets Nanoscale Morphology

Poster Session (Learning Center, ground floor)

17:30-18:30

Wednesday, August 27

Nakanishi Session 1 (Learning Center, room LC 0.14)

Chairperson: Tohru Taniguchi

8:30-8:55	IL-19	K. Monde: Chiroptical Analysis of the SWIR (Shortwave-infrared) Organic Fluorescent Probes for Deep Tissue Breast Cancer Imaging
8:55-9:15	IL-20	S. Matile: Translational Supramolecular Chemistry
9:15-9:30	IL-21	T. Nehira: Progress in Expanding the Scope and Applications of Circular Dichroism
9:30-9:45	OC-23	M. Sheves: Activation Mechanism of Retinal Proteins: Is Light-Induced Double Bond Isomerization the Initial Step?
9:45-10:00	OC-24	N. Nesnas: Photochemical Release of Bioactive Molecules for Neurological Applications and Beyond

Coffee Break (Learning Center)

10:00-10:30

Nakanishi Session 2 (Learning Center, room LC 0.14)

Chairperson: Stefan Matile

10:30-10:50	IL-22	G. Pesticelli: Walking in the Footsteps of Giants: a Journey in the Scientific Lineage of Koji Nakanishi
10:50-11:10	IL-23	J. Koshoubu: To The Future Guided By Professor Koji Nakanishi
11:10-11:30	IL-24	J. L. A. Gómez: Magic Chirality – Enantiomers Beyond the Mirror
11:30-11:50	IL-25	T. Taniguchi: Exploration and Application of Vibrational Chromophores in the Biomolecularly Transparent Region
11:50-12:05	OC-25	G. Mazzeo: Natural Compounds Studied Through Unusual Spectroscopic/Chiroptical Techniques: MCD and CPL
12:05-12:25	IL-26	N. Berova: Enchanting Life of Koji Nakanishi in the World of Science

Lunch (Learning Center)

12:25-13:45

Departure of the Bus to Hortobágy (Learning Center parking lot)

14:30

Thursday, August 28

Oral Session 10 (Learning Center, room LC 0.14)

Chairperson: Fabrizio Santoro

8:30-8:55	IL-27	C. Merten: Solvent effects on VCD spectra
8:55-9:15	IL-28	Y. Phal: Rapid Quantum Cascade Laser-Based Vibrational Circular Dichroism Spectroscopy Systems for Chirality Sensing
9:15-9:35	IL-29	V. P. Nicu: The Digital Chiroscope from AI-assisted spectral analysis to periodic structure simulations
9:35-9:50	OC-26	J. M. Batista Jr.: Chiroptical properties of “simple” furofuran lignans: structure and solvent effects

Coffee Break (Learning Center)

9:50-10:20

Oral Session 11 (Learning Center, room LC 0.14)

Chairperson: József Kardos

10:20-10:45	IL-30	G. Pieters: BINOL-(tere)phthalonitriles: Versatile Building Blocks for Chiral Emitters Design
10:45-11:05	IL-31	P. Bouř: Theoretical Challenges of Resonance Raman Optical Activity
11:05-11:25	IL-32	S. Jähnigen: Chirality and Vibrational Circular Dichroism in the Solid State
11:25-11:45	OC-27	A. Kartouzian: Nonlinear g-ee Dependence in Chiral Films / CD2027
11:45-11:55		Announcement
11:55-12:25		VOA9 Announcement
		Closing Remarks / Student Awards

Lunch (Learning Center)

12:25-13:45