

# Program Snapshot

Tuesday 04		Wednesday 05		Thursday 06		Friday 07	
		8.30-9.15	Marie-Claire Schanne Klein	8.30-9.15	Tiziana Benincori	8.30-9.15	Eric Meggers
		9.15-9.30	Deborata Rajak	9.15-9.30	Shahana Niza		
		9.30-9.45	Maurizio Mastropasqua Talamo	9.30-9.45	Stefano Cadeddu	9.15-9.35	Damien Hérault
		9.45-10.15	Flash (P1 to P6)	9.45-10.00	Sung Hyun Yoo	9.35-9.55	Richard Kellogg
				10.00-10.15	Clément Gédéon	9.55-10.15	Cyrille Train
		10.15-10.50	Coffee break & Posters	10.15-10.50	Coffee break & Posters	10.15-10.45	Coffee break
10.00-12.00	Registration	10.50-11.20	Jessica Wade	10.50-11.20	Felix Freire	10.45-11.30	Etienne Brasselet
		11.20-11.40	Pascale Changenet	11.20-11.40	Amparo Ruiz-Carretero	11.30-11.50	Matthias Pauly
		11.40-12.00	Vincent Rodriguez	11.40-12.00	Flavia Pop	11.50-12.00	Closing and prizes
Lunch		Lunch		Lunch		Lunch	
14.00-14.15	Opening	14.00-14.45	Hiroshi Yamamoto	14 :30	Social activities Biarritz Aquarium visit		
14.15-15.00	Melanie Schnell	14.45-15.05	Christine Aroulanda				
15.00-15.20	Michel Leeman	15.05-15.25	Thierry Brotin				
15.20-15.40	Rafael Rodriguez	15.25-15.45	Jana Bocková				
15.40-16.20	Coffee break	15.45-16.15	Coffee break & Posters	17.00-19.00	Surf initiation		
16.20-16.50	Matthieu Raynal	16.15-16.45	Benjamin Abécassis				
16.50-17.10	Céline Olivier	16.45-17.00	Nicolas Bruni	17.00-18.00	Public conference: Cristaux et chiralité: de Pasteur aux origines de la vie		
17.10-17.30	Cornelia Meinert	17.00-17.15	Zakaria Anfar				
17.30-17.45	Antonio Valverde-González	17.15-17.20	Nicolas Floissat <i>Jasco</i>				
17.45-18.00	Annika Sickinger	17.20-18.10	Flash (P7 to P18)				
18.00	Reception cocktail	18.10-19.30	Poster session				
19.30	Dinner	19.30	Dinner	19.30	Banquet		



# Journée André Collet de la Chiralité 2022

October 4<sup>th</sup>-7<sup>th</sup>, 2022 - Biarritz (France)

## PROGRAM

### TUESDAY, OCTOBER 4

10:00 Welcome and registration

12:00 Lunch on site

14:00 **Opening**

14:15 **Plenary lecturer 1: Melanie Schnell**

(DESY, Christian-Albrechts Universität zu Kiel - Germany)

***Chirality differentiation and manipulation using rotational spectroscopy***

15:00 O01 - Michel Leeman (Symeres - The Netherlands)

*A Practical Example of a CIDT Conversion: Deracemization Towards AAT-076*

15:20 O02 - Rafael Rodriguez (Institut des Sciences Chimiques de Rennes - France)

*Modulating the Circular Polarized Luminescence of Helical Molecules*

15:40 Coffee break

16:20 **Keynote 1: Matthieu Raynal**

(Sorbonne Université, Paris - France)

***Supramolecular helical catalysts with precisely tuned chiral and dynamic properties***

16:50 O03 – Céline Olivier (Institut des Sciences Moléculaires, Bordeaux - France)

*Harnessing Linear and Nonlinear Chiroptical Properties of Functional Aromatic Oligoamide Foldamers*

17:10 O04 – Cornelia Meinert (Institut de Chimie de Nice, UCA - France)

*UV circularly polarized light induced symmetry breaking in isovaline: implications for the origin of biological homochirality in space*

17:30 O05 - Antonio Valverde-González (Institut Parisien de Chimie Moléculaire, IPCM - France)  
*Chiral porous polymers based on binol building blocks for enantioselective fluorescence sensing*

17h45 O06 - Annika Sickinger (Laboratoire de Chimie, ENS de Lyon - France)  
*Circularly Polarized Luminescence of Enantiopure Lanthanide Complexes at Variable Temperature*

18:00 **Reception cocktail**

19:30 *Dinner on site*

## WEDNESDAY, OCTOBER 5

8:30 **Plenary lecturer 2: Marie-Claire Schanne Klein**  
(Laboratoire d'Optique et de Biosciences, Ecole polytechnique de Paris - France)  
***Circular-dichroism SHG microscopy probes the polarity distribution of out-of-plane collagen fibrils***

9:15 O07 – Deborahata Rajak (Université de Bordeaux - France)  
*Chiral molecules in strong laser fields*

9:30 O08 - Maurizio Mastropasqua Talamo (MOLTECH-Anjou, Université d'Angers - France)  
*Chiral organic optoelectronic materials based on stereodynamic structures*

9:45 *Flash Posters (P1 to P6)*

10:15 *Coffee break and Posters*

10:50 **Keynote 2 : Jessica Wade**  
(Imperial College - UK)  
***Chiral functional materials as a platform for emerging electronics***

11:20 O09 - Pascale Chagnenet (Laboratoire d'Optique et Biosciences, Palaiseau - France)  
*Artifact-free balanced detection for ultrafast circular dichroism*

11:40 O10 - Vincent Rodriguez (Institut des Sciences Moléculaires ISM, Bordeaux - France)  
*All-optical measurements of the Verdet constant in achiral and chiral liquids: Towards all-optical magnetic spectroscopies*

12:00 *Lunch on site*

**14:00 Plenary lecturer 3: Hiroshi Yamamoto**

(Institute for Molecular Science, Okazaki - Japon)

***Polarized Spins in Chiral Materials***

14:45 O11 - Christie Aroulanda (Institut de Chimie Moléculaire et des Matériaux d'Orsay - France)

*Analytical Potential of NMR in Chiral Liquid-Crystalline Solvents for Spectral Enantiodifferentiation of Challenging Mixtures: Focus on Atropoisomers*

15:05 O12 - Thierry Brotin (Laboratoire de Chimie, Université Claude Bernard Lyon - France)

*Chiral isotopologues of cryptophane-B: Synthesis and chiroptical properties*

15:25 O13 - Jana Bocková (Institut de Chimie de Nice - France)

*UV circularly polarized light induced symmetry breaking in isovaline: implications for the origin of biological homochirality in space*

15:45 *Coffee break and Posters*

**16:15 Keynote 3 : Benjamin Abécassis**

(ENS Lyon- France)

***Chiral Semi-Conducting Nanoplatelets***

16:45 O14 - Nicolas Bruni (LOMA, CNRS, University of Bordeaux, Talence - France)

*Directed morphogenesis of rewritable chiral liquid crystal supramolecular structures by chiral light*

17:00 O15 - Zakaria Anfar (CBMN, Univ. Bordeaux, CNRS, Bordeaux INP – France)

*Engineering of Pure Chiral Gold Nano-Helices*

17:15 Nicolas Floissat

*Flash Sponsor Jasco*

17:20 Flash Posters (P7 to P18)

**18:10 Poster session**

19:30 *Dinner on site*

## THURSDAY, OCTOBER 6

### 8:30 **Plenary lecturer 4: Tiziana Benincori**

(Università degli studi dell'Insubria - Italie)

***The “inherent chirality” concept: a very simple tool for designing functional materials with impressive enantiodiscrimination ability***

9:15 O16 - Shahana Nizar Shyla (ISIS Strasbourg - Laboratoire des nanostructures - France)

*Chiral Frenkel exciton strong coupling for intense bisignated circularly polarized luminescence*

9:30 O17 - Stefano Cadeddu (Institut des Sciences Chimiques de Rennes ISCR - France)

*Highly ordered assemblies of helicenes with phase-segregated siloxane block oligomers for CPL emission*

9:45 O18 - Sung Hyun Yoo (Institute Européen de Chimie et Biologie, IECB Bordeaux - France)

*Control of helix screw-sense preference in dynamic oligomeric foldamers of meso symmetry built from chiral monomeric units*

10:00 O19 - Clément Gédéon (Advent Technologies Inc.)

*New chiral conjugated polymers based on a helicene moiety for optoelectronic applications*

10:15 *Coffee break and Posters*

### 10:50 **Keynote 4 : Felix Freire**

(Universidad de Santiago de Compostela - Espagne)

***Dynamic Helical Polymers: Structure and Stimuli- Responsive Properties***

11:20 O20 - Amparo Ruiz-Carretero (Institut Charles Sadron, université de Strasbourg - France)

*Chiral supramolecular assemblies for next generation organic photovoltaics*

11:40 O21 - Flavia Pop (Univ Angers, CNRS, MOLTECH-Anjou, SFR MATRIX - France)

*Dithia helicene and dithia-quasi circulene fused dithiolones*

12:00 *Lunch on site*

- 14:00 **Free afternoon or Social activities**  
14:30 *Biarritz Aquarium Visit*  
17:00 *Surf initiation*
- 17:00 **Public conference** (*Biarritz Médiathèque*)  
*Cristaux et chiralité: de Pasteur aux origines de la vie*
- 19:30 **Banquet on site**

## FRIDAY, OCTOBER 7

- 8:30 **Plenary lecturer 5: Eric Meggers**  
(Universität Marburg - Germany)  
***Steering Asymmetric Catalysis with Metal-Centered Chirality***
- 9:15 O22 - Damien Héroult (Institut des Sciences Moléculaires de Marseille - France)  
*P-stereogenic compounds: stereospecific synthesis, configurational stability, and applications*
- 9:35 O23 - Richard Kellogg (Symeres)  
*A Practical Example of a CIET Conversion: Deracemization of Praziquantel*
- 9:55 O24 - Cyrille Train (LNCMI-CNRS, Grenoble - France)  
*Associating chirality and magnetism for promoting multifunctionality: successes and fails*
- 10:15 *Coffee break*
- 10:45 **Plenary lecturer 6: Etienne Brasselet**  
(Laboratoire Ondes et Matière Aquitaine, Université de Bordeaux - France)  
***When chemistry meets physics, inspired by biology***
- 11:30 O25 - Matthias Pauly (Institut Charles Sadron, Université de Strasbourg, France)  
*Helical assemblies of plasmonic 1D-nanoobjects with giant circular dichroism*
- 11:50 **Closing and prizes**
- 12:00 *Lunch on site*