Welcome to Bordeaux!

The organizing committee is delighted to welcome you to Bordeaux for the 2018 edition of the SACS Conference. Self-assembly of colloidal systems is a vast and interdisciplinary field of research including physics, chemistry, biology, medicine, nano-science and allowing transfer from fundamentals to applications.

At the conference we are fortunate to welcome some of the most outstanding scientists in the field of colloidal systems. The conference program will address the major topics of current and prospective interest in colloidal self-assembly. Over 100 presentations will be made on this topic over the three days of the conference, including around 55 posters presented during two evening poster sessions.

The conference dinner will be held the Mercure Cité Mondiale Congress Center, a spectacular venue that provides an outstanding view over the “Port de la Lune”.

Bordeaux belongs to the Nouvelle-Aquitaine Region which is very famous for culinary specialties, vineyards, ocean activities, aerospace industries, and enjoys a mild climate in September.

We take this opportunity to thank our generous sponsors: without their support, the organization of the conference would be a difficult task.

We warmly welcome you to Bordeaux and we really wish you a truly successful and enjoyable conference and a pleasant stay!

The SACS’18 conference organizing committee
GENERAL CONFERENCE INFORMATION

Venue
Centre de Recherche Paul Pascal
115 avenue du Dr Albert Schweitzer
33600 Pessac, France
Access: Tramway line B
Doyen Brus station, + 10 minutes walk

Badge & security
Wearing your badge is mandatory during all conference activities for security reasons.

Poster sessions
Presenting authors are required to put their posters up in the morning/afternoon of the day on which their poster is scheduled (clips available at the welcome desk). Posters must be taken down at the end of the poster session. Posters not taken down will be removed.

Certificate of attendance / invoices
Certificate of attendance and invoices will be sent on request after the conference, on request at the welcome desk or by Email at:
sacs2018@u-bordeaux.fr

Emergencies
In the event of a medical emergency:
(24 hours a day, 7 days a week)
- Ambulance: 15
- Fire and rescue: 18
- SOS Médecins Bordeaux: 05 56 44 74 74
- European Emergency Number: 112

Pharmacies:
(24 hours a day, 7 days a week)
- Pharmacie des Capucins
  30 place des Capucins - Bordeaux
- Pharmacie d’Albret
  71 cours d’Albret - Bordeaux

Police: 17
Hôtel de Police - 23 rue François de Sourdis
Tram A - Hôtel de Police station

Conference dinner
The gala dinner will be held on Friday, 21st September, at Mercure Cité Mondiale Congress Center at 20.30. Jefferson lounge - 7th floor

Address: 20 quais des Chartrons - Bordeaux
Access: tramway line B, CAPC Musée d’art contemporain station.
Distance from the venue: about 40 min. by tramway

Photos: Bordeaux Convention Bureau
PROGRAM
Thursday, September 20th

8.30 - 9.00  Participants reception
Welcome address

9.00 - 9.45  David J. PINE
Self-assembly of DNA-coated colloids: diamond, pyrochlore, and micelles

9.45 - 10.05  Benjamin ABÉCASSIS
Self-assembly of CdSe nanoplatelets—stack and twist

10.05 - 10.25  Caroline SALZEMANN
Binary superlattices from Fe2O3 magnetic nanocrystals and {Mo132}
polyoxometalates: long-range ordering and modulation of dipolar magnetic interactions

10.25 - 10.45  Marieke GERTH
Dual responsive supramolecular assembly – unveiling the fine structure of azobta fibres and their complex (dis)assembly pathways

10.45 - 11.15  Coffee break

11.15 - 11.50  Franck ARTZNER
Hierarchical crystallization of nanoparticles based on monodispersity or on polydispersity

11.50 - 12.10  Matteo MOGNETTI BORTOLO
Functionalized interfaces direct colloidal layer deposition by controlling particle-particle interactions

12.10 - 12.30  Juliette FITREMANN
Simple molecular gels from self-assembling alkyl galactonamides for 3D neuronal cell growth

12.30 - 12.50  Jeroen VAN DUIJNEVELDT
Stabilisation of emulsions by montmorillonite platelets

12.50 - 14.00  Lunch

14.00 - 14.45  Francesco SCIORTINO
Patchy dna particles

14.45 - 15.05  Gerhard KAHL
Novel hybrid crystal-liquid phase formed by heterogeneously decorated colloidal particles

15.05 - 15.25  Dafne MUSINO
Aggregate formation of surface-modified nanoparticles in solvents and polymer nanocomposites

15.25 - 15.45  Dwaipayan CHAKRABARTI
Programming hierarchical self-assembly of patchy particles into colloidal crystals via colloidal molecules

15.45 - 16.15  Coffee break

16.15 - 16.50  André H. GRÖSCHEL
Making complex colloids by self-assembly

16.50 - 17.10  Cheng WU
Self-assembly of rod-like viruses into hybrid colloidal molecules

17.10 - 17.30  Vanessa PREVOT
Design of latex@LDH particles toward nanocomposite films

17.30 - 17.50  Joachim KOETZ
Undulated Au@Ag superstructures with special optical and catalytic properties by self-assembly of Ag nanoparticles in a catanionic AOT/BDAC surfactant bilayer surrounding gold nanotriangles

18.00 - 19.30  Poster session 1
Apéritif
PROGRAM
Friday, September 21st

8.30 - 9.00  Participants reception
9.00 - 9.45  Kasue KURIHARA  Surface forces measurements and molecular organization
9.45 - 10.05 Mohammad-Amin MORADI  Self-organization of designer binary colloidal systems into co-crystalline structures
10.05 - 10.25 Jérôme CRASSOUS  Phase behaviour and assembly of bowl-shaped colloids
10.25 - 10.45 Mariana KÖBER  Quatsomes: a new, thermodynamically stable nanovesicle system
10.45 - 11.15  Coffee break
11.15 - 11.50  Marcus MÜLLER  Kinetics of structure formation in diblock copolymer films
11.50 - 12.10  Alexander CHERVANYOV  Polymer-mediated interactions between colloids and their role in coagulation-fragmentation of colloidal aggregates
12.10 - 12.30  Dwight SEFEROS  Self-assembly of conjugated polymers
12.30 - 12.50  Christiane ZIEGLER  Self-assembly of plant virus particles forming 2D and 3D structures
12.50 - 14.00  Lunch

14.00 - 14.45  Luis Liz-MARZAN  Self-assembly under confinement
14.45 - 15.05  Rose CERSONSKY  Pressure-tunable photonic band gaps in an entropic colloidal crystal
15.05 - 15.25  Yongsook SEO  High-performance magnetorheological suspensions of pickering-emulsion polymerized polystyrene/Fe3O4 particles with enhanced stability
15.25 - 15.45  Loïc JIERRY  Localized enzyme-assisted self-assembly using polyelectrolyte multilayer films
15.45 - 16.15  Coffee break
16.15 - 16.50  Daniela KRAFT  Self-assembly dynamics of flexible colloidal molecules
16.50 - 17.10  Remi MERINDOL  Pathway-controlled self-assembly of all-DNA colloids
17.10 - 17.30  Fabienne GAUFFRE  From the ouzo effect to hybrid polymer/nanoparticle nanocapsules
17.30 - 17.50  Yannick HALLEZ  Nanoxerography assisted by convective surface assembly
18.00 - 19.30  Poster session 2  Apéritif

Plenary  Keynote  Oral contribution
8.30 - 9.00  Participants reception
9.00 - 9.45  Nicholas A. KOTOV  
*Chiral inorganic nanostructures*
9.45 - 10.05  Lola GONZALEZ-GARCIA  
*Self-assembly of ultrathin gold nanowires driven by ligand-solvent interactions*
10.05 - 10.25  Raphael MARTIN-RAPUN  
*Polysaccharide-coated polypeptidic micelles for drug delivery*
10.25 - 10.45  Erik DUJARDIN  
*Artificial repeat proteins designed as habit modifiers for the morphosynthesis and self assembly of Au {111}-terminated anisotropic nanocrystals*
10.45 - 11.15  Coffee break
11.15 - 11.50  Ilja VOETS  
*Engineering multi-responsive complex coacervate core micelles for novel applications*
11.50 - 12.10  Jean-Luc BLIN  
*Design of hybrid organic-inorganic nanosystems for drug delivery*
12.10 - 12.30  Won PARK  
*Self-assembled nanoclusters for detection and optoporation-aided chemotherapy of bladder cancer*
12.30 - 12.50  Olga ZABOROVA  
*Modification of pH-sensitive liposomes with polymer: additional control of pH-induced release of the encapsulated substance*
12.50 - 14.00  Lunch

14.00 - 14.20  Jérôme CLAVERIE  
*Self-assembled colloids as hierarchical catalysts for artificial photo synthesis*
14.20 - 14.40  Maryam NIKBAKHT NASRABADI  
*Self-assembly and characterization of biopolymer particles via electrostatic interaction between flaxseed mucilage and protein*
14.40 - 15.00  Ahmet DEMIROERS  
*Electric field assembly of colloidal superstructures*
15.00 - 15.20  Achille GIACOMETTI  
*The elixir phase of chain molecules*
15.20 - 15.40  Arnaud VIDEQOQ  
*Self-assembly of ceramic colloids: experiments and simulations*
15.45 - 16.30  Sébastien LECOMMANDOUX  
*Biomimetic self-assembly of amphiphilic polymers and lipids towards biofunctional artificial cells*
16.30  End
P1.1: Maha Alotaibi
From nanospheres to nanofibers: self-assembly of tuneable electroactive bolaamphiphiles

P1.2: Mariam Attoui
Polyoxometalate-based Nanohelices: Induced Chirality from Nanohelices to Achiral POM Clusters

P1.3: Tobia Cavalli
Synthesis of Angular Polymer Particles as Building Blocks for Advanced Materials by Self-Assembly

P1.4: Barbara Cerroni
Targeting tumour brain vasculature with RGD decorated lipid shelled Microbubbles

P1.5: Nicolas Debons
Patchy nanoparticles - collagen composite biomaterials for tissue engineering

P1.7: Lurii Eroshkin
Extension of the analytical calculation of the fast relaxation spectrum in micellar solutions

P1.8: Jie Gao
Chiral gold nanoparticle superstructures directed by silica nanohelices: towards innovative chiro-optical properties

P1.9: Lola Gonzalez-Garcia
The Ligand's Role in Nanoparticle Assembly and its Impact on the Printing of Electronic Nanostructures

P1.11: Evgeny Karpushkin
Shear-induced assembly of carbon nanofiller in polymer solutions

P1.13: Weiya Li
Chain structure fabrication by self-assembly of divalent silica nanoparticles

P1.15: Alexandra Nikolaeva
Physico-chemical design of condensed-phase materials with nano-carbon for harvesting laser irradiation

P1.17: Adeline Perro
Colloidosomes tailored by water-in-water emulsion

P1.18: Walter Rosas Arbelaez
Study of the effects of pH adjustments during the formation of colloidal zeolite TPA silicalite-1 particles

P1.19: Christophe Schatz
Structure, thermodynamic and kinetic signatures of a synthetic polyelectrolyte coacervating system

P1.20: Ali Sedaghat Doost
Designing nano-colloidal dispersion of thymol as a potential natural antioxidant

P1.21: Ali Sedaghat Doost
Self-assembly of biopolymer nanocomplexes of almond gum and whey protein isolate

P1.22: Ali Sedaghat Doost
Trans-cinnamaldehyde nanoemulsions stabilized using hydrophobically modified inulin with a powerful stability against stress conditions

P1.23: Gunnar Simonarson
Low-temperature spray deposition synthesis of ordered mesoporous titania films

P1.24: Stefanie Tjaberings
Complex block copolymer nanostructures as templates for novel hybrid materials

P1.25: Yosra Toumia
Photopolymerized Phase-Change Nanodroplets using Low-Boiling Point Perfluorocarbons as Contrast Agent for Ultrasound Imaging and Radiation Dosimetry Device

P1.26: Wu Wenbing
Towards self-assembled chiral plasmonic metasurfaces

P1.27: Xu Xufeng
Colloidal Nanoparticle assembly in a centrifugal field
POSTER SESSION 2
Friday, September 21st - 18.00 - 19.30

P2.1: Antoine Amestoy
Silica nanohelices decorated with electrically conductive Nanoparticles for sensing application

P2.2: Zheng Weichao
Twist transitions and equilibrium forces in a cholesteric liquid crystal probed with the Surface Force Apparatus

P2.3: Luxiao Chai
Rapid Access to Functional Oil-Filled poly(vinyl alcohol)-based Glyconanocapsules through Nanoprecipitation

P2.4: Rachel Yerushalmi-Rozen
Polymer micellization in Ethylene Glycol; the driving forces, and utilization for preparation of nano-inks

P2.6: Maxime Demazeau
Understanding the effectiveness of polymer-based nanocarriers for photodynamic therapy

P2.7: Ahmet Demiroers
Electric Field Assembly of Colloidal Superstructures

P2.8: Cindy Gomes Correia
Polycarbosilane-based block copolymers for thin film nanotechnologies.

P2.9: Patrick Hage
Synthesis of high-density functionalized microparticles for light-switchable assembly

P2.10: Mindaugas Juodenas
Templated Assembly of Ag Nanoparticles in Porous Anodized Alumina

P2.11: Camille Keita
In-situ photo-patterning of pressure-resistant hydrogel membranes with controlled permeabilities in PEGDA microfluidic channels

P2.12: Moncef Lehtihet
Mid-Infrared thermo-spectroscopic imaging of microfluidic drying process

P2.13: Xiang Li
Thermal reversible PTMC based networks by Diels-Alder reaction

P2.14: Laureen Moreaud
3D nanoparticle assembly driven by direct pairing or templating of designed artificial proteins

P2.15: Hervé Palis
Design, synthesis and purification of nanoparticles for self-assembled colloidal structures

P2.17: Olivier Sandre
Kinetics of aggregation and magnetic separation of multicores iron oxide nanoparticles: effect of the grafted layer thickness

P2.18: Ali Sedaghat Doost
Influence of salt on the stability of nanoemulsions: Ostwald ripening

P2.19: Ali Sedaghat Doost
Fabrication and functionality of novel almond gum-shellac nanoparticles as an oral delivery system

P2.22: Vitalii Tkachenko
Polymerization-induced self-assembly by photo-mediated controlled radical polymerization

P2.23: Ghita Touti
Onion like vesicles for transdermal delivery

P2.25: Yammine Elham
Application of maghemite/polymer hybrid particles to the elaboration of patchy particles for magnetically driven assembly

P2.26: Marieke Gerth
Dual responsive supramolecular assembly – Unveiling the fine structure of azoBTA fibres and their complex (dis)assembly pathways

P2.27: Sanaa Semlali
The Nano-Log Driver’s Waltz: Orienting Silica Helices through Convective Evaporation
With the support of

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