# CHEMISTRY 2018 (CPD)



Tentative

# AGENDA

**February 19-20, 2018**
**Paris, France**

EuroSciCon

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#Chemistry 2018

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The annual Chemistry 2018 is an international academic event with plenty of opportunity for networking and debate. In an informal setting, this meeting will bring you up to date with current research and thinking regarding screening, prevention and treatment in this ever-growing field. Presenting at this event, we will have a variety of clinicians, academics and members of the Chemical industry; we encourage presentations from the wide spectrum of chemistry research, development and healthcare professionals.

This event has CPD accreditation

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#Chemistry 2018

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Agenda

## Agenda Day 1: Chemistry 2018

### Introduction by Chair

1. From fundamental Organometallics to Catalysis: the quest for “fuzzy” metal-metal and metal ligand bonds
2. Precision Synthesis of Functional Polysaccharides by Enzymatic Polymerization
3. A Source of New Diagnostic Techniques for Asthma
4. Nanoparticles for medical applications made of biodegradable amino acid based polymers: preparation and modification
5. A PES Study of Factors Influencing Metal Partitioning in Aquatic Systems “Design of Experiment As, Cd, Co, Cr, Cu, Pb, Ni, and Zn”
6. Nymphaea alba – a valuable and untapped source of bioactive compounds
7. Synthesis and characterization of Azomethin-β-D-Glucosamines
8. Organotrifluoroborates and new organic transformations for aroylation, nitration, amidation, and C-H activation reactions
9. One-pot catalytic synthesis of triazolylmethoxy chalcones bifunctional hybrids using CuI nanoparticles
10. The iPPI-DB initiative
11. “Click chemistry”-based step growth polymerization: a new approach for the synthesis of novel clicking biodegradable polymers
12. Pulse-induced optoelectronic response of molecular junctions
13. Question time

# #Chemistry

Agenda

# Agenda Day 2: Chemistry 2018

## Introduction by Chair

1. Catalysis in Water – Key to a Sustainable Future
2. Stereospecific Membrane Interactions of Drug Stereoisomers at Clinically Relevant Concentrations
3. Identification of proteins in brain AVMs in pursuit of targets for molecular therapies
4. Sulfur-containing aristolactams and other constituents of the roots of Aristolochia orbicularis
5. Synthesis and reactivity of bromocyanobutadiyne: from interstellar chemistry to organic synthesis methodology
6. Study of the solubility phase and the pH effect on the two active ingredients (Tram & HTZ) in an aqueous solution of β-CD at different concentrations
7. Nanostructured and nanocomposite materials for energy conversion
8. Sulfated polyborate catalysed – solvent free and recyclable catalyst for efficient synthesis of betti base
9. Calculation of the electronic absorption spectra of dyes using Time-Dependent Density-Functional Theory (TD-DFT)
10. Pulse-induced optoelectronic response of molecular junctionsin.

# #Chemistry

# Agenda Day 1: Chemistry 2018

| 09:00 – 09:45 | Exhibitions open | Registration and Refreshments |
|---|---|---|
| 09:45 – 10:25 | Introduction by the Chair<br>From fundamental Organometallics to Catalysis: the quest for "fuzzy" metal-metal and metal ligand bonds | Dr.Jean-Pierre DJUKIC, Institute of Chemistry of Strasbourg, France |
| | | |
| 10:25 – 10:50 | Precision Synthesis of Functional Polysaccharides by Enzymatic Polymerization | Dr.Jun-ichi Kadokawa, Professor<br>Department of Chemistry, Biotechnology, and<br>Chemical Engineering, Graduate School of Science and Engineering<br>Kagoshima University, Japan |
| | | |
| 10:50 – 11:15 | A Source of New Diagnostic Techniques for Asthma | Katrina Hutchinson , Eurofins-Biomnis , Ireland |
| | | |
| 11:15 – 11:45 | Poster Review and Exhibitions | Refreshments provided |
| 11:45 – 12:15 | Oral Presentations | |
| 11:45 – 12:00 | Nanoparticles for medical applications made of biodegradable amino acid based polymers: preparation and modification | Temur Kantaria, Institute of Chemistry and Molecular Engineering Georgia |
| 12:00 – 12:15 | A PES Study of Factors Influencing Metal Partitioning in Aquatic Systems<br>"Design of Experiment As, Cd, Co, Cr, Cu, Pb, Ni, and Zn" | Dr.Eid Alkhatib ,Chair of Chemistry/Dir. of Masters in Chem Program Program Director Physics, USA |
| 12:15 – 12:30 | Nymphaea alba – a valuable and untapped source of bioactive compounds | Dr.Ioana O. Ghinea, Lecturer , Dunarea de Jos University of Galati, Department of Chemistry, Romania |
| 12:30 – 12:50 | Synthesis and characterization of Azomethin-β-D-Glucosamines | H. Bouleghlem, Organic chemistry laboratory Applied (LCOA), Group of Chemistry Bioorganique Faculty of Science, ALGERIA |
| | | |
| 12:50 – 13:20 | Organotrifluoroborates and new organic transformations for aroylation, nitration, amidation, and C-H activation reactions | Dr.Mohammad Al-Masum, Professor, Tennessee State University, USA |
| | | |
| 13:20 – 14:20 | Lunch Break with Exhibitions | Poster viewing |
| 14:20 – 14:45 | One-pot catalytic synthesis of triazolylmethoxy chalcones bifunctional hybrids using CuI nanoparticles | Dr. Amanollah Zarei Ahmady, Assistant Professor, Ahvaz Jundishapur University of Medical Sciences, Iran |
| | | |
| 14:45 – 15:15 | Oral Presentations | |
| 14:55 – 15:25 | The iPPI-DB initiative | Dr.Olivier Sperandio, Group Leader, Institut Pasteur, Paris |
| | | |
| 15:25 – 15:55 | "Click chemistry"-based step growth polymerization: a new approach for the synthesis of novel clicking biodegradable polymers | Tengiz Kantaria, Institute of Chemistry and Molecular Engineering, Georgia |
| 15:55 – 16:25 | Last Poster Review and Exhibitions | Refreshments provided |
| 16:25 – 16:40 | Pulse-induced optoelectronic response of molecular junctions | Katawoura Beltako, Aix-Marseille University, France |
| | | |
| 16:40 – 17:10 | **Slot Available** | |
| 17:10 – 17:40 | **Slot Available** | |
| 17:40 – 18:00 | Question Time | |
| 18:00 | Chairman's Summing Up | Close of Session |

# #Chemistry

## Agenda Day 2: Chemistry 2018

| Time Session | Exhibitions open | Registration and Refreshments |
|---|---|---|
| 9:45 – 10:15 | Introduction by the Chair<br>Sulfur-containing aristolactams and other constituents of the roots of Aristolochia orbicularis | Dr. María Yolanda Rios, Director,Center for Chemical Research, Mexico |
| | | |
| 10:15 – 10:45 | Stereospecific Membrane Interactions of Drug Stereo-isomers at Clinically Relevant Concentrations | Dr. Hironori Tsuchiya, Professor, Asahi University School of Dentistry, Japan |
| | | |
| 10:45 – 11:15 | Identification of proteins in brain AVMs in pursuit of targets for molecular therapies | Dr. Margaret Simonian, LA BioMed – Los Angeles Biomedical Research Institute, California |
| | | |
| 11:15 – 11:45 | Poster Review and Exhibitions | Refreshments provided |
| 11:45 – 12:15 | Catalysis in Water – Key to a Sustainable Future | Dr. Christophe, Professor, Sorbonne Universities, France |
| | | |
| 12:15 – 12:45 | Synthesis and reactivity of bromocyanobutadiyne: from interstellar chemistry to organic synthesis meth-odology | Dr. Yann Trolez, Assistant Professor,National School of Chemistry of Rennes, France |
| 12:45 – 13:00 | Study of the solubility phase and the pH effect on the two active ingredients (Tram & HTZ) in an aqueous solution of β-CD at different concentrations | Dr.Salima Zidane, Professor,Molecular Engineering and Catalysis Redox LEIMCR University,Algeria |
| 13:00 – 14:00 | Lunch Break with Exhibitions | Poster viewing |
| 14:00 – 14:30 | Oral Presentation | |
| | Nanostructured and nanocomposite materials for energy conversion | Dr. Sara Cavaliere, Lecturer, University of Montpellier, France |
| | | |
| 14:30 – 14:55 | Sulfated polyborate catalysed – solvent free and recy-clable catalyst for efficient synthesis of betti base | Manisha Patil, Institute of Chemical Technology, India |
| | | |
| 14:55 – 15:10 | Calculation of the electronic absorption spectra of dyes using Time-Dependent Density-Functional Theory (TD-DFT) | Sefia Brahim,University of Saida, Algeria |
| | | |
| 15:10 - 15:40 | **Slot Available** | |
| 15:40 - 16:10 | **Slot Available** | |
| | | |
| 16:10 – 16:40 | Question Time | |
| 16:40 – 17:30 | Last Poster Review and Exhibitions | Refreshments provided |
| 17:30 – 18:00 | Chairman's Summing Up | Close of Session |

# About the Speaker

## Jean-Pierre DJUKIC:

Jean-Pierre Djukic is Director of Research at the CNRS in Strasbourg and heads the Laboratory for Organometallic Chemistry and Systemics within the Institute of Chemistry of Strasbourg (UMR CNRS 7177). He obtained a Ph.D in 1992 from Pierre and Marie Curie University in Paris under the guidance of E. Rose. He was associate researcher with L. K. Woo at Iowa State University from 1993 to 1994 and an Alexander von Humboldt fellow with K. H. Dötz at the University of Bonn from 1996 to 1997. J.P. Djukic is currently heading a research effort in organometallic chemistry at the CNRS in Strasbourg, which he joined in 1994. His main domains of research are fundamental organometallics, the transition metal chemistry of electron-deficient species and the systemics of transition metal-promoted homogenous catalysis. Since 2014 he is involved in an interdisciplinary ANR-DFG-funded consortium with the group S. Grimme (Bonn, Germany), which deals with cohesion in transition metal chemistry. Since January 2015 he is chairing the Scientific council of the Institute of Chemistry of the CNRS.

## Jun-ichi Kadokawa:

Jun-ichi Kadokawa received his Ph.D. in 1992. He then joined Yamagata University as a Research Associate. From 1996 to 1997, he worked as a visiting scientist at the Max-Planck-Institute for Polymer Research in Germany. In 1999, he became an Associate Professor at Yamagata University and moved to Tohoku University in 2002. He was appointed as a Professor of Kagoshima University in 2004. His research interests focus on polysaccharide materials. He received the Award for Encouragement of Research in Polymer Science (1997) and the Cellulose Society of Japan Award (2009). He has published more than 200 papers in academic journals.

## Christophe Len:

Prof. Dr. Christophe Len received his Ph.D. in 1995 from the Université de Picardie Jules Verne followed by a post-doctoral fellow at the University of Hull (England). In 1997, he became assistant Professor at UPJV and was promoted to full Professor in 2004 at the Université de Poitiers (France) and in 2010 at the Université de Technologie Compiègne (France). He has published almost 150 original publications, 5 chapters and 8 patents. Among recent awards and recognition, he was promoted Honorary Professor of the Univ. of Hull, England (2012-2018), Fellow of Indian Society of Chemists and Biologists, Fellow of the Association of Carbohydrate Chemists and Technologist of India and Fellow of the Royal Society of Chemistry. In 2017, he has been honored with 2017 Glycerine Innovation Award sponsored by the American Cleaning Institute and the National Biodiesel Board. His current research explores organic chemistry and catalysis applied to biomass.

## Eid Alkhatib :

Eid Alkhatib has received his Ph.D. in 1995 from the Environmental engineering, University of Rhode Island. M.S. Environmental Engineering, SUNY at Buffalo (1983), B.Sc. Chemistry/Geology, Kuwait University (1971). Eid Alkhatib Fairfield with expertise in Environmental Chemistry, Analytical Chemistry, Environmental Engineering and he is Chair of Chemistry/ Dir. of Masters in Chem Program Program Director Physics.

## Hironori Tsuchiya:

H. Tsuchiya received his Ph.D. based on a clinical chemistry thesis from Gifu Pharmaceutical University. He served as a research investigator at National Center for Nervous, Mental and Muscular Disorders and University of Pennsylvania Monell Chemical Senses Center. He is presently a chief professor of Asahi University School of Dentistry. His current research interests are related to medicinal chemistry of anesthetics and phytochemicals. He has published more than 200 papers in international journals.

## Ioana O. Ghinea:

After a B.Sc. degree in Chemistry from the University of Bucharest, Ioana O. Ghinea obtained her PhD in Biotechnology from the “Dunărea de Jos” University of Galați. In the same year, she joined the Department of Chemistry, Physics and Environment from “Dunărea de Jos” University of Galați, Romania, where she is now, at the age of 32, Lecturer in the fields of Organic and Food Chemistry. She has published 2 book chapters and over 10 scientific papers. Her research is focused

on green chemistry, biocatalysis and also on the determination of biological activity (antimicrobial, antioxidant, enzyme inhibition, protein interaction, etc.) of synthetic and natural products.

## Hocine Bouleghlem:

- Mr. Hocine is a member in the Research Laboratory ofOrganic Chemistry
- Applied (LCOA), Group of Chemistry Bioorganique, Faculty of Science,
- Department of Chemistry, University Badji-Mokhtar 23000 Annaba,
- Algeria and a member of the research project: (Synthesis and Bioactive
- Molecules Development) under code N°E 01120070109.

## Mohammad Al-Masum:

Mohammad Al-Masum has completed his PhD from Tohoku University, Sendai, Japan under Professor Yoshinori Yamamoto and postdoctoral studies from Montana State University, MT, USA and University of Tennessee, TN, USA. He is presently a full professor at Tennessee State University, Nashville, TN, USA. He has published more than 30 papers in peer-reviewed journals. He is journal reviewers for many journals.

## Amanollah Zarei Ahmady:

Assistant Professor Dr. Amanollah Zarei Ahmady has completed his B.Sc, M.Sc and PhD in Organic Chemistry at the age of 31 years from Shahid Chamran University of Ahvaz, Iran and sabbutical studies from University of Perugia - Department of Chemistry, Biology and Biotechnology (Italy) under the direction of Professor Luigi Vaccaro in 2011. He is now, assistant professor of Medicinal Chemistry department of Ahvaz Jundishapur University of Medical Science. He has published more than 25 papers in reputable journals and conferences and one patent in Iran patent office and has served as director of the Ahvaz Jundishapur University of Medical Science patent office.

## Olivier Sperandio:

Dr. Olivier Sperandio has more than 15 years of experience in bioinformatics and drug design. He obtained a master degree from the University of Alabama at Birmingham in biochemistry and bioinformatics during a 3-year stage in the US in the lab of Dr. Stephen C. Harvey. Then, he obtained an industrial Ph.D at the company MEDIT SA in partnership with the University Paris Descartes (Lab of Pr. Christiane Garbay) in virtual screening, in silico drug design and the design of computational chemistry tools. He was then recruited junior researcher at the Inserm as a drug designer within the Inserm CDithem. In 2010, he was recruited as a senior research associate (CR1) at the Inserm within the lab of Dr. Bruno Villoutreix with the project of characterizing the chemical space of Protein-Protein Interaction inhibitors. He is now group leader in chemoinformatics in the structural bioinformatics unit of Pr. Michael Nilges at Institut Pasteur in Paris.

## María Yolanda Rios:

María Yolanda Rios has completed his PhD from National Autonomous University of Mexico (UNAM) and postdoctoral studies from College of Pharmacy at the University of Iowa. She is the director of Centro de Investigaciones Químicas, at Morelos State University (UAEM) in Mexico. She has published 2 book chapters and 86 papers in reputed journals.

## Katawoura Beltako:

K. Beltako is about to complete his PhD from Aix-Marseille University (AMU) and is graduated from AMU excellence master program P3TMA. He is working to develop an efficient and faster numerical technique to handle various aspects of time-dependent quantum transport in nanodevices.

## Yann Trolez:

Yann Trolez has completed his PhD in 2010 from the University of Strasbourg under the guidance of Jean-Paul Collin and Jean-Pierre Sauvage where he worked on rotaxane-based molecular machines. He then moved to ETH Zürich in François Diederich group as a postdoctoral fellow where he worked on alleno-acetylenic compounds bearing interesting optoelectronic properties. In 2011, he was appointed assistant professor at the Ecole Nationale Supérieure de Chimie de Rennes where he now works on organic interstellar chemistry and on new cyanated compounds having interesting optical properties. He published about 30 papers in peer-review international journals.

## Sara Cavaliere:

Sara Cavaliere is Lecturer at the University of Montpellier, Institut Charles Gerhardt for Molecular Chemistry and Materials since 2009. She received her PhD in Chemistry and Materials Science in 2006 in Versailles, France, after graduating

from University of Milan, Italy. She worked as post-doc fellow in University of Freiburg, Germany, and Lyon, France. Her research interests focus on design, synthesis and characterisation of nanostructured and nanofibrous materials for proton exchange membrane fuel cells and water electrolysers. In 2017 she was awarded the CNRS Bronze Medal and joined the Institut Universitaire de France as a Junior member.

## Margaret Simonian:

Dr. Margaret Simonian has PhD in Advanced Medicine. Works as a Research Scientist and Proteomics Consultant at UCLA and John Wayne Cancer Institute. She is a reviewer for the Journal of Proteomics, Journal of Arthritis and Research Therapy and Journal of European Proteomics. Lectured many undergraduate and graduated/postgraduate University Courses. Organizing Committee Member for the International Conference on Precision Medicine. [Dec 5-7, 2016 San Antonio, USA].

# About this Event

## Discussion Sessions

The discussion sessions are an opportunity for informal questions and answers. This is an ideal opportunity to get advice and opinion from experts in this area. This session is not for questions about specific talks, which can be asked after the speaker's session, but for discussing either general topics or specific issues.

## There are three ways you can ask questions:

1. Before the session you can submit your question to Euroscicon staff at the registration desk,
2. Before and during the session you can submit a question or comments, by email, which will be provided on the day of the event
3. During the session you can put your hand up and join in

## Session breaks

All breaks and registrations will take place in the exhibition area where there will be lunch and refreshments. Please try to visit all the exhibition stands during this event. Not only do our sponsors enable Euroscicon to keep the registration fees competitive, but they are also here specifically to talk to you

## Lunch

1. We have a number of dishes that are gluten free
2. We have a range of vegetarian dishes which are separated from the meat and fish dishes
3. We have a number of dishes that are diary free
4. Please note that all food has been prepared in an environment where nuts may be present.

## Missing Speakers

It is unfortunate that occasionally a speaker cannot attend, most usually due to not getting visas granted, unforeseen personal events or illness. Whilst we do everything possible to ensure that our speakers are present at the event we apologise in advance if you were at a session where a speaker could not attend. We always try to keep our agendas as up to date as possible, however if a speaker cancels the night before an event or on the day, there is little we can do to rectify this.

# Frequently asked questions about our events

## Is the delegate list available?

- Yes this is available to everyone who attends the event and our sponsors.
- It is available in real time. To access the list please just log into your registration details or use the QR code on right of the agenda card which is provided on the day of the event.
- You will not be included in this list if you have opted out and you can do this by logging into your registration details. This list will not be sold or ever give out to third parties.

## Can I have the speaker's slides?

- We cannot give out the slides from our speaker's presentations as they are deleted immediately after each event. If you require a particular set of slides please approach the speaker. We will however have a meeting report and you will be emailed when this report is published.

## Can I have a notepad?

- Notepads and pens are provided in the delegate bags and at the registration desk

## I don't want my photograph on any Euroscicon promotional material

- Please let our tech person know

## Is there WIFI?

- Yes, please ask registration for log in details

## Can I have a CPD certificate?

- CPD certificates will be available in the exhibition hall after lunch. Please remember that EuroSciCon is a small independent company with no subsidies from society memberships or academic rates for venues. We try to be as reasonably priced as possible and our delegate rates are substantially lower than comparable commercial meeting organisations

## Personal belongings

- Please take care of all your personal belonging as Euroscicon cannot be held responsible if an item goes missing from the lecture theatre or the exhibition hall.

# Media Sponsors













