



NANO
IN **BIO** 2024

4th Edition: From April 14 to April 20, 2024

**Le Gosier, Guadeloupe
(French Caribbean)**





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(French Caribbean)**

Program



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Le Gosier, Guadeloupe
(French Caribbean)



4th edition - From April 14 to April 20, 2024

<https://nanoinbio2024.event.univ-lorraine.fr/>

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Program

Spring School NanoInBio 2024

Sunday, April 14

Electrochemical and ionic processes in biological systems at the nanoscale

Ulrich Keyser, University of Cambridge, United Kingdom

Georg Fantner, EPFL, Lausanne, Switzerland

Mingdong Dong, Aarhus University, Denmark

Conference NanoInBio 2024

Monday, April 15 – Saturday, April 20

Guest Speakers

Philippe Leclère, University of Mons, Belgium

Igor Sokolov, Tufts University, United States

Sungsu Park, Sungkyunkwan University, South Korea

Elena Ferapontova, Aarhus University, Denmark

Valeria Rondelli, University of Milan, Italy

Frank Caruso, University of Melbourne, Australia

David Alsteens, Université catholique de Louvain, Belgium

Nicole Robb, University of Warwick, United Kingdom

Mingdong Dong, Aarhus University, Denmark

Bing Xu, Brandels University, United States

Takeshi Fukuma, Kanazawa University, Japan

Experts

Ulrich Keyser, University of Cambridge, United Kingdom


Georg Fantner, EPFL, Lausanne, Switzerland

Loïc Jierry, University of Strasbourg, France

Yuri Korchev, Imperial College of London, United Kingdom







Guest Speakers: 30 minutes
Experts: 30 minutes
Oral Presentations: 20 minutes

April 14	April 15	April 16	April 17	April 18	April 19	April 20
9.30am – 12.30pm Spring School	8.45am – 12.20pm Conference session I: The bio/non-bio interface	9am – 12.10pm Conference session III: Bio- and nano-electrochemistry & bio applications	7 am – 5.30pm : Social Event	8.40am – 12.10pm Conference session V: Nanomedicine, Nano-Micro Biology	8.45am – 12.20pm Conference session VII: The bio/non-bio interface	8.40am – 12.10pm Conference session IX: Special NanoInBio session
Lunch				Lunch		
2pm – 4.30pm Spring School	2pm – 5.10 pm Conference session II: Instrumentation for bio- & nanotechnologies	2pm – 5.30pm Conference session IV: Bio- and nano-materials for health & nanomedicine		2pm – 5.10pm Conference session VI: Bio- and nano-electrochemistry & bio applications	2pm – 5.30 pm Conference session VIII: Instrumentation for bio- & nanotechnologies	
	5.10pm – 6.30pm Poster session I			5.20pm – 6.30pm Poster session II	7.30 pm: Gala dinner	

April 14	
08.15 am – 09.15 am	Welcome Reception & Registration
Spring School: Electrochemical and ionic processes in biological systems at the nanoscale	
9.30 am – 11.00 am	Prof. Ulrich Keyser (Cambridge University, UK)
11.00 am – 12.30 pm	Prof. Georg Fantner (EPFL, Switzerland)
12.30 pm	Lunch Break
2.00 pm – 4.30 pm	Prof. Mingdong Dong (iNANO, Aarhus University, Denmark)
4.45 pm	<p style="text-align: center;">Group photos at Parc du Calvaire in downtown Le Gosier (Free Time)</p> 

April 15	
08.15 am – 08.45 am	Welcome Reception & Registration
Conference Session I The bio/non-bio interface	
08.45 am – 09.00 am	Introduction – Grégory Francius
09.00 am – 09.30 am	Philippe Leclère , University of Mons, Belgium (Keynote lecture)
09.30 am – 9.50 am	Béatrice Labat , University of Rouen Normandie, Evreux, France
9.50 am – 10.10 am	Régis Badin , University of Lorraine, Nancy, France
10.10 am – 10.30 am	Luca Puricelli , Area Science Park, Trieste, Italy
10.30 am – 11.00 am	Coffee Break (30 min)
11.00 am – 11.30 am	Igor Sokolov , Tufts University, United States (Keynote lecture)
11.30 am – 11.50 am	Lucie Klopffer , University of Lorraine, Nancy, France
11.50 am – 12.10 pm	Andreas Stylianou , EUC Research Centre / European University Cyprus, Cyprus
12.30 pm – 02.00 pm	Conference Lunch
Conference Session II Instrumentation for bio- & nanotechnologies	
02.00 pm – 02.30 pm	Sungsu Park , Sungkyunkwan University, South Korea (Keynote lecture)
02.30 pm – 02.50 pm	Etienne Dague , LAAS-CNRS, Toulouse, France
02.50 pm – 03.10 pm	Katarzyna Matczyszyn , Wroclaw University of Science and Technology, Poland
03.10 pm – 03.30 pm	Jordyn Ann Howard , University of Lyon 1, Villeurbanne, France
03.30 pm – 04.00 pm	Coffee Break (30 min)
04.00 pm – 04.20 pm	Juan Felipe Salazar Ariza , University of Lyon 1, Villeurbanne, France
04.20 pm – 04.40 pm	Thomas Hackl , TU Wien, Vienna, Austria
04.40 pm – 05.10 pm	Marco Portalupi , Nanosurf AG, Liestal, Switzerland
05.10 pm – 06.30 pm	Poster Session I – Networking Time

	April 16
08.30 am – 09.00 am	Registration
	Conference Session III Bio- and nano-electrochemistry & bio applications
09.00 am – 9.30 am	Ulrich Keyser , University of Cambridge, United Kingdom (Expert)
9.30 am – 9.50 am	Kamila Łępicka , Polish Academy of Sciences, Warsaw, Poland
9.50 am – 10.10 am	Ronald Zirbs , University of Natural Resources and Life Sciences, Vienna, Austria
10.10 am – 10.30 am	Allan Duro , Université des Antilles, Pointe-à-Pitre, France
10.30 am – 11.00 am	Coffee Break (30 min)
11.00 am – 11.30 am	Elena Ferapontova , Aarhus University, Denmark (Keynote lecture)
11.30 am – 11.50 am	Menglin Chen , Aarhus University, Denmark
11.50 am – 12.10 pm	Stacy Melyon , Université des Antilles, Pointe-à-Pitre, France
12.30 pm – 02.00 pm	Conference Lunch
	Conference Session IV Bio- and nano-materials for health & nanomedicine
02.00 pm – 02.30 pm	Valeria Rondelli , University of Milan, Italy (Keynote lecture)
02.30 pm – 02.50 pm	Xavier Fernández-Busquets , University of Barcelona, Spain
02.50 pm – 03.10 pm	Caterina Medeot , University of Trieste, Italy
03.10 pm – 03.30 pm	Audrey Malardé , Université of Lorraine, Vandoeuvre les Nancy, France
03.30 pm – 04.00 pm	Coffee Break (30 min)
04.00 pm – 04.30 pm	Frank Caruso , University of Melbourne, Australia (Keynote lecture - Visio)
04.30 pm – 04.50 pm	Malobi Seth , Université of Lorraine, Metz, France
04.50 pm – 05.10 pm	Bernardo Albuquerque Nogueira , International Iberian Nanotechnology Laboratory, Braga, Portugal
05.10 pm – 05.30 pm	Yue Xu , University of Waterloo, Canada

	<p>April 17</p>
	<p>Social Event</p>
<p>07.00 am – 05.30 pm</p>	<p style="text-align: center;">Marie-Galante Day Tour</p> <p style="text-align: center;">Discover Marie-Galante in 10 exciting stages. History, distilleries, restaurants and heavenly beaches await you.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Immersion in the history of Habitation Murat, where you will discover the history of slavery as well as life in the XVIII century and the Rum history.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Visit a local distillery and enjoy a Rum Masterclass to learn about rum. You will enjoy it with perfectly paired local appetizers. White rum up to 59° and old rum from 40° to 42°.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Enjoy a meal of your choice at the Aux Plaisirs des Marins restaurant of the Catimini Restaurant in St Louis. Then farniente, swimming and snorkeling at wild beach of 3 Ilets or Anse Canot.</p>

April 18			
Conference Session V Nanomedicine, Nano-Micro Biology			
08.40 am – 09.10 am	David Alsteens , Université catholique de Louvain, Belgium (Keynote lecture)		
09.10 am – 9.30 am	Philippe Lavalle , University of Strasbourg, France		
9.30 am – 9.50 am	Yoann Roupioz , Université Grenoble Alpes, France		
9.50 am – 10.10 am	Fabienne Quiles , University of Lorraine, Nancy, France		
10.20 am – 10.50 am	Coffee Break (30 min)		
10.50 am – 11.20 am	Nicole Robb , University of Warwick, United Kingdom (Keynote lecture)		
11.20 am – 11.40 am	Peter Hinterdorfer , Johannes Kepler University, Linz, Austria		
11.40 am – 12.10 pm	Olivier Gros , Université des Antilles, Pointe-à-Pitre, France (Expert)		
12.30 pm – 02.00 pm	Conference Lunch		
Conference Session VI Bio- and nano-electrochemistry & bio applications			
02.00 pm – 02.30 pm	Mingdong Dong , Aarhus University, Denmark (Keynote lecture)		
02.30 pm – 02.50 pm	Petr Gorelkin , ICAPPIC Limited, London, United Kingdom		
02.50 pm – 03.10 pm	Sebastian Sittl , University of Bayreuth, Germany		
03.10 pm – 03.30 pm	Cécile Formosa-Dague , INSA-University of Toulouse, France		
03.30 pm – 04.00 pm	Coffee Break (30 min)		
04.00 pm – 04.30 pm	Yuri Korchev , Imperial College of London, United Kingdom (Expert)		
04.30 pm – 04.50 pm	Isalyne Drewek , University of Mons, Belgium		
04.50 pm – 05.10 pm	Serena Danti , University of Pisa, Italy		
05.20 pm – 06.30 pm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Poster Session II – Networking Time</td> <td style="width: 50%; text-align: center;">International Cooperation workshop</td> </tr> </table>	Poster Session II – Networking Time	International Cooperation workshop
Poster Session II – Networking Time	International Cooperation workshop		

April 19	
Conference Session VII The bio/non-bio interface	
08.40 am – 09.10 am	Bing Xu , Brandeis University, United States (Keynote lecture)
09.10 am – 9.40 am	Loïc Jierry , University of Strasbourg, France (Expert)
9.40 am – 10.00 am	Pierre Schaaf , Insitut Charles Sadron, University of Strasbourg, France
10.00 am – 10.20 am	Burkhard Bechinger , University of Strasbourg, France
10.20 am – 10.50 am	Coffee Break (30 min)
10.50 am – 11.20 am	Maryam Tabizian , McGill University, Montreal, Canada (Expert)
11.20 am – 11.40 am	Jeremy Lakey , Newcastle University, United Kingdom
11.40 am – 12.00 pm	Pilar Rivera Gil , Universitat Pompeu Fabra, Barcelona, Spain
12.00 pm – 12.20 pm	Patrick Mesquida , King's College London, United Kingdom
12.30 pm – 02.00 pm	Conference Lunch
Conference Session VIII Instrumentation for bio- & nanotechnologies	
02.00 pm – 02.30 pm	Takeshi Fukuma , Kanazawa University, Japan (Keynote lecture)
02.30 pm – 02.50 pm	Claire Godier , University of Lorraine, Nancy, France
02.50 pm – 03.10 pm	Angela C. Debruyne , UGent, Ghent, Belgium
03.10 pm – 03.30 pm	Maximilian Seuss , Bruker Nano GmbH, Berlin, Germany
03.30 pm – 04.00 pm	Coffee Break (30 min)
04.00 pm – 04.30 pm	Tomaso Zambelli , ETH Zurich, Switzerland (Expert)
04.30 pm – 04.50 pm	Pawel Karpinski , Wroclaw University of Science and Technology, Wroclaw, Poland
04.50 pm – 05.10 pm	Nicolo Tormena , University of Durham, United Kingdom
05.10 pm – 05.30 pm	Zahra Ayar , EPFL, Lausanne, Switzerland

April 19

Gala Diner

Caribbean Music & Dance Show

07.30 pm



Traditional musics and dances with the famous Guadeloupe Carnival atmosphere by Double Face

Gala Dinner

	April 20
	Conference Session IX Special NanoInBio session
08.40 am – 09.10 am	Georg Fantner , EPFL, Lausanne, Switzerland (Expert)
09.10 am – 9.30 am	James Flewelen , University of Edinburgh, United Kingdom
9.30 am – 9.50 am	Ariane Boudier , University of Lorraine, Nancy, France
9.50 am – 10.10 am	Wojciech Chrzanowski , The University of Sydney, Australia
10.10 am – 10.40 am	Coffee Break (30 min)
10.40 am – 11.10 am	Stefano Leporatti , CNR Nanotech-Istituto di Nanotecnologia, Lecce, Italy
11.10 am – 11.30 am	Xavier Bellanger , University of Lorraine, Nancy, France
11.30 am – 11.50 am	Tomasz Antosiewicz , University of Warsaw, Poland
11.50 am – 12.10 pm	NANOinBIO Awards & Closing Ceremony
12.30 pm	Conference Lunch

April 20

Major Public Conference (in French)

Santé et environnement: quelles solutions apportées par les sciences ?

6.00 pm – 8.30 pm

Keynotes Lecturers : [Jacqueline Deloumeaux](#) (ARS, CHUG)
[Jean Sébastien Nicolas](#) (ARB-IG)
[Jérôme Roch](#) (ADEME)

Moderators : [Lucie Largitte](#) (Université des Antilles)
[Kanell Ambroise](#) (ARB-IG)

Topic: Health and the environment: what solutions can science offer?