



**3rd Edition**  
**May 30 to June 05, 2022**

**Sponsored by CNRS & ACS Publications**

**La Cr  ole Beach Hotel & Spa, Le Gosier (Guadeloupe, French Caribean)**



## TOPICS

Scanning Probe Microscopy

Force spectroscopy

Optical Microscopies

Optical Spectroscopies

Biomaterials & Bioengineering

Nanobiotechnology & nanomedicine

Machine learning

Computational methods

## KEY FACTS

**ABSTRACT SUBMISSION OPEN**

**Abstract submission deadline:**

**February 28<sup>th</sup> 2022**

**Notification of acceptance :**

**March 5<sup>th</sup> 2022**

**Early birds deadline:**

**March 15<sup>th</sup> 2022**





## **Scanning probe microscopy & force spectroscopy**

- Super-resolution & nanovideo imaging
- Single cell & single molecule spectroscopies
- Nanomechanics & mechanobiology
- Nanomaterials & nanomanipulation

## **Optical microscopies & spectroscopies**

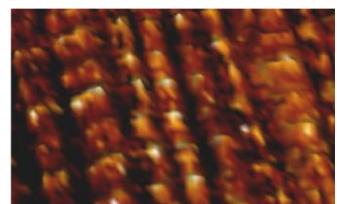
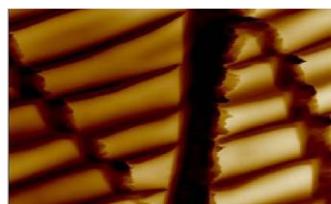
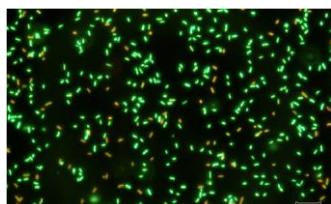
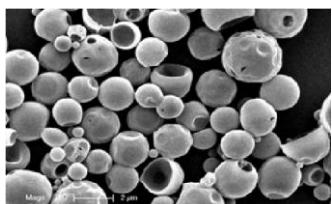
- Super-resolution & nanoscopy imaging
- Advanced fluorescence imaging/spectroscopy
- Multi-dimensional fluorescence & Raman spectroscopy imaging
- Optical spectroscopies & device coupling in bio-applications

## **Latest advances in biomaterials & nanobiotechnology**

- Bio-inspired materials & smart nanomaterials
- Tissue engineering & nanomedicine
- Advanced methods for bio-imaging & diagnostic
- Drug delivery & nanotoxicity

## **Machine learning & computational methods**

- Computational and machine learning methods
- Automation & fast data processing
- Simulation & theoretical modeling





La Cr  ole Beach Hotel & Spa, Le Gosier (Guadeloupe, French Caribbean)



Catherine Picart  
(France)



Jamie Hobbs  
(UK)



Jorg Enderlein  
(Germany)



Loredana Casalis  
(Italy)



Nicholas Kotov  
(USA)

## Invited Speakers



Adam Foster  
(Finland)



Nuria Gavara  
(Spain)



Patrick Couvreur  
(France)



Takayuki Uchihashi  
(Japan)



Teuta Pilizota  
(UK)



Herman Schillers  
(Germany)

## Special Guests



Sergei Kalinin  
(USA)



Georg Fantner  
(Switzerland)



Yoojin Oh  
(Austria)



Paolo Scrimin  
(Italy)



Philippe Lavalle  
(France)



3rd Edition  
May 30 to June 05, 2022

Sponsored by CNRS & ACS Publications



La Cr  ole Beach Hotel & Spa, Le Gosier (Guadeloupe, French Caribbean)



## REGISTRATION FEES INCLUDE

- Access to all scientific session, from May 30<sup>th</sup> to June 5<sup>th</sup>, 2022
- Book of Abstracts
- Congress bag & goodies
- Lunches & Coffee breaks for 5 days
- Gala dinner (June 4<sup>th</sup> 2022)
- Full Day Excursion (June 3<sup>rd</sup> 2022)

## LA CREOLE BEACH HOTEL & SPA

[HTTP://WWW.CREOLEBEACH.COM](http://WWW.CREOLEBEACH.COM)  
TripAdvisor 4.0/5 - Booking.com 7.7/10



## CONTACT

<https://nanoinbio2022.sciencesconf.org/>  
✉ nanoinbio2022@sciencesconf.org  
🐦 @NANOinBIO2022

## Organizing Committee

- Lilia Chtcheglova, Univ of Linz (Linz, Austria)
- Vincent Dupres, Institut Pasteur, Univ de Lille (Lille, France)
- Gr  gory Francius, LCPME, CNRS (Nancy, France)
- Jesse Landoulsi, LRS, Sorbonne Univ (Paris, France)
- Zoya Leonenko, Univ of Waterloo (Waterloo, Canada)
- Kislion Voitchovsky, Univ of Durham (Durham, United Kingdom)

## Scientific Committee

- Etienne Dague, LAAS, CNRS (Toulouse, France)
- Karim El Kirat, BMBI, UTC (Compi  gne, France)
- Pierre Schaaf, Univ de Strasbourg, (Strasbourg, France)
- Tomaso Zambelli, ETH (Zurich, Switzerland)
- Georg Fantner, EPFL (Lausanne, Switzerland)

## Local Committee

- Laurence Romana, Universit   des Antilles (Pointe-   Pitre, Guadeloupe)
- Marc Romana, INSERM (Pointe-   Pitre, Guadeloupe)
- Olivier Gros, Universit   des Antilles (Pointe-   Pitre, Guadeloupe)

## Administrative Staff

- Conference secretariat : [sylvie.kautz@univ-lorraine.fr](mailto:sylvie.kautz@univ-lorraine.fr)
- Registration & Communication : [Progepi](#)



3rd Edition  
May 30 to June 05, 2022  
IN BIO 2022

Sponsored by CNRS & ACS Publications



La Cr  ole Beach Hotel & Spa, Le Gosier (Guadeloupe, French Caribbean)

## Official Sponsors



LANGMUIR



SPECSGROUP

## Endorsed by



ACS Publications  
Most Trusted. Most Cited. Most Read.

