

# 2nd Symposium tribute to Maxime Dahan

Thursday and Friday, December 16<sup>th</sup>-17<sup>th</sup> 2021

[Via Teams](#)

## Program



### Forewords

Following the [first symposium](#) in memory of Maxime Dahan which was held in October 2019, we are pleased to announce the second edition of the symposium. To honor the memory of Maxime who passed away in July 2018, we would like to focus on state-of-the-art developments in new imaging modalities and single molecule imaging, with a special emphasis on works that have followed up Maxime' seminal publications.

The symposium will be online.

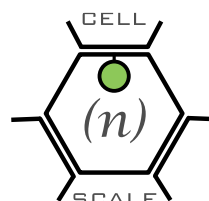
The symposium will be the occasion to deliver the second [Maxime Dahan Prize](#) for Innovation in Methods and Instrumentation at the Interface of Physics, Biology & Medicine.

### The organizing committee

Mathieu Coppey, Bassam Hajj, Vincent Studer

Melissa Dewulf, Virginie Bel, Shauna Katz, Aïda Shams, Inês Pires Santos Ramos Pinheiro

<https://tinyurl.com/uphc698a>



## Schedule: Paris (UTC+1)/EST (UTC-5)/Pacific (UTC-8)

### Thursday, December 16<sup>th</sup> 2021

|              |   |
|--------------|---|
| 4pm/10am/7am | Opening by <b>Alain Puisieux</b> – <i>Institut Curie, FR</i>  |
| 4:15 pm      | <b>Alipasha Vaziri</b> – <i>The Rockefeller University, US</i><br><i>'Towards cortex-wide volumetric recording of neuroactivity at cellular resolution'</i> |
| 4:45 pm      | <b>Sandra J. Rosenthal</b> – <i>Vanderbilt University, US</i><br><i>'Symmetrically shelled quantum dots for application in neuroscience'</i>                |
| 5:15 pm      | <b>Diego Krapf</b> – <i>Colorado State University, US</i><br><i>'Identifying diffusion states in the cytoplasm of mammalian cells'</i>                      |
| 5:45 pm      | Break   |
| 6:00 pm      | <b>William E. Moerner</b> – <i>Stanford University, US</i><br><i>'New developments in single-molecule super-resolution imaging and tracking'</i>            |
| 6:30 pm      | <b>Emmanuel Candès</b> – <i>Stanford University, US</i><br><i>'A short tour of algorithmic fairness'</i>  |
| 7:00 pm      | <b>Andrew York</b> – <i>Calico Labs, US</i><br><i>'Relaxation sensing'</i>  |
| 7:30 pm      | End of day 1  |



## Friday, December 17<sup>th</sup> 2021

|                           |   |
|---------------------------|---|
| 10:30am/4.30am<br>/1.30am | Opening by <b>Angela Taddei</b> – Institut Curie, FR  |
| 10:45 am                  | <b>Valentina Emiliani</b> – Institut de la Vision, FR<br><i>'Holographic control of brain circuits'</i>   |
| 11:15 am                  | <b>Suliana Manley</b> – EPFL, CH<br><i>'Biophysical mysteries and insights into organelle structure and dynamics'</i>   |
| 11:45 am                  | <b>Jörg Enderlein</b> – Georg-August-Universität, DE<br><i>'Metal- and Graphene-Induced Energy Transfer Imaging'</i>  |
| 12:15 pm                  | <b>Chiara Stringari</b> – École Polytechnique, FR<br><i>'Label-free metabolic imaging of living tissues by Fluorescence Lifetime Microscopy of endogenous biomarkers'</i>                             |
| 12:30 pm                  | <b>Alicia Damm</b> – Institut Curie, FR<br><i>'Interplay between the conformational dynamics of a bacterial ABC-transporter and membrane mechanical properties'</i>                                   |
| 12:45 pm                  | Break   |
| 2:15 pm                   | <b>Bertrand Duplat</b> – CEO Robeauté, FR<br><i>'Steps in the Making a Neurosurgical Microrobot'</i>  |
| 2:45 pm                   | <b>Marcelina Cardoso Dos Santos</b> – I2BC, FR<br><i>'Time-gated FRET nanoprobes for multiplexed imaging'</i>   |
| 3:00 pm                   | <b>Antoine Coulon</b> – Institut Curie, FR<br><i>'Live-cell micromanipulation of a genomic locus reveals interphase chromatin mechanics'</i>  |
| 3:15 pm                   | <b>Jerome Mertz</b> – Boston University, US<br><i>'Volumetric microscopy at high speeds'</i>  |
| 3:45 pm                   | <b>Mathieu Coppey, Bassam Hajj</b> – Institut Curie, FR<br><b>Vincent Studer</b> – IINS, FR<br>Concluding remarks   |
| 4:00 pm                   | Break   |
| 5pm/11am/8am              | <b>Words from Maxime Dahan's Family</b><br><b>AWARD CEREMONY</b><br><i>'The Maxime Dahan Prize for Innovation in Methods and Instrumentation at the interface of Physics, Biology &amp; Medicine'</i> |



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## Practical information

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### More information

<https://www.weezevent.com/symposium-maxime-dahan-2>

### Location

Via Teams: <https://bit.ly/3EGTxJ>

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