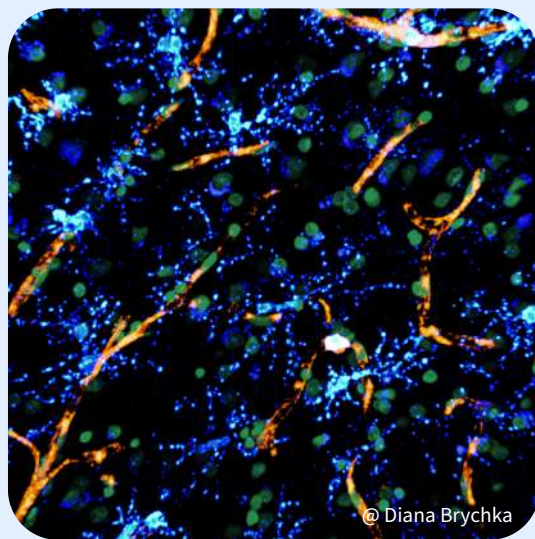
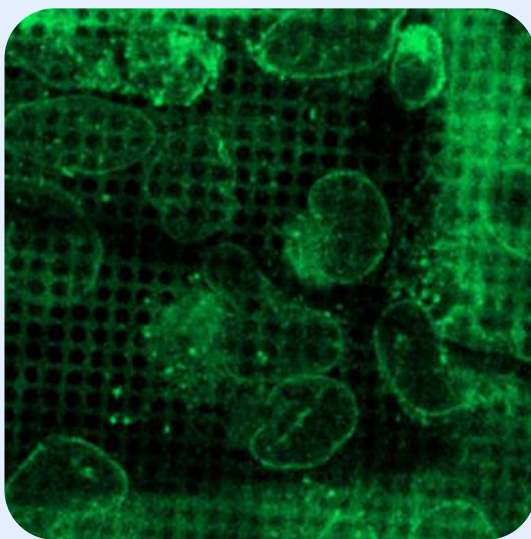
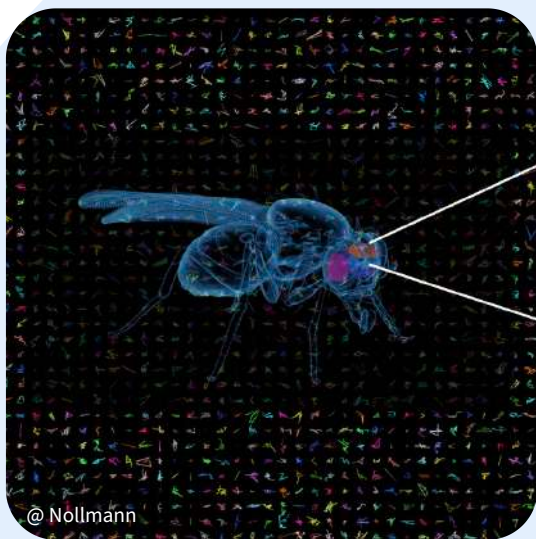
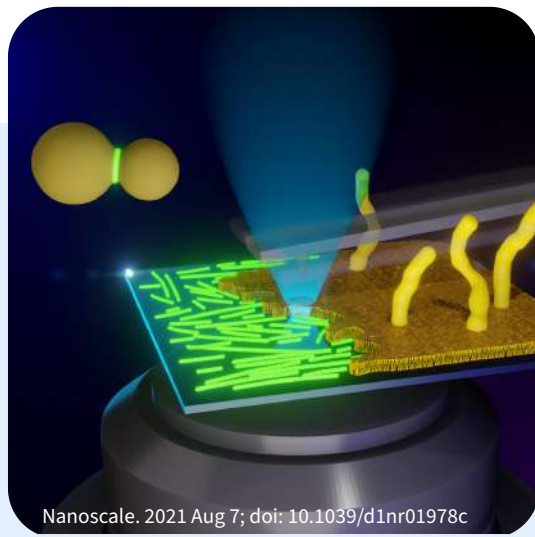
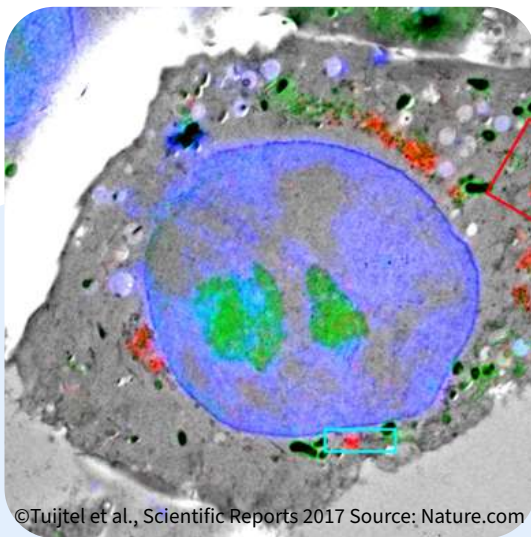




HiLight initiative PTL

Exploration of living systems:
Analysis at high spatial and temporal resolution

This day will feature local and external conferences, as well as a round table to exchange ideas and brainstorm about the HiLight initiative (PTL).

INVITED SPEAKERS:

Eric Hosy, IINS Bordeaux
Isabelle Tardieux, IAB Grenoble

REGISTER HERE

<https://forms.gle/LuMQb7bGXJrktJr87>

In 2026, the sub-theme of the HiLight PTL is **"DEVELOPING MULTIPARAMETRIC APPROACHES"**

JOIN US ON JANUARY 15, 2026 AT GENOPOLYS!

PROGRAM

9:00-9:15	Introduction Julie Perroy, HiLight PTL Manager
9:15-10:00	<i>Chairperson: Marion Peter, IRCM</i> KEYNOTE - Eric Hosy, IINS Bordeaux New technological improvements for a better understanding of synaptic physiology <i>Chairperson: Karine Loulier, INM</i>
10:00-10:10	Charlène Boumendil, IGH et Christine Doucet, CBS YRP selected project "Implementing SPEED microscopy and 3D single molecule live-cell imaging to elucidate the role of heterochromatin exclusion at nuclear pores in mRNA export"
10:10-10:20	Fabrice Caudron, IGMM YRP selected project "High resolution live cell imaging of yeast prion-like proteins and RNA assemblies"
10:20-10:30	Emmanuel Perisse, IGF YRP selected project « A virtual olfactory environment to study value-based decision-making in <i>Drosophila</i> »
10:30-10:40	Laurent Le Cam, IRCM CRP selected project "Multiscale/Multimodal Imaging and Digital Twins for Predicting Decision-Making in Colorectal Tumorigenesis"
10:40-11:00	Break <i>Chairperson: Angelo Torrente, IGF</i>
11:00-11:20	Csilla Gergely, L2C Non-linear optics and AFM-based tissue mechanobiology: label-free insights in neurodegenerative diseases
11:20-11:40	Vivien Szabo, IGF A fiberscope for imaging neural intracellular signalling's dynamics during learning in behaving mice
11:40-12:00	Benoit Charlot, IES Cantilever based microelectrode arrays for the recording of the inner electrical and mechanical activities of organoids
12:00-13:30	Lunch break
13:30-14:15	<i>Chairperson: Raphaël Gaudin, IRIM</i> KEYNOTE - Isabelle Tardieux, IAB Grenoble An innovative combinatorial toolkit to uncover the physics of Toxoplasma motile behaviors <i>Chairperson: Marie-Pierre Blanchard, MRI</i>
14:15-14:35	Antoine Le Gall, CBS Imaging and Quantifying Emergent Behaviors in Predatory Bacteria
14:35-14:55	Florence Perrin, MMDN Innovative Imaging of Spinal Cord Injury, Aging, and Treatment Dynamics
14:55-15:15	Anne-Blanc Potard, LPHI et Laurence Berry, MRI-EM4Bio Multiple imaging approaches to assess biofilm <i>in vivo</i>
15:15-15:35	Break
15:35-16:30	<i>Chairperson: Pierre-Emmanuel Milhiet, CBS et Raphaël Gaudin, IRIM</i> Round table «Developing multiparametric approaches»
16:30	Closing remarks