3RD EDITION

sbcf
French Society for Cell Biology

CELL LA VIE

21 - 23 October, 2026
Pasteur Institute, Paris

KEYNOTE SPEAKERS

Jan Ellenberg, Stockholm - Sweden
Johanna Ivaska, Turku - Finland

INVITED SPEAKERS

Bruno Antonny, Valbonne - France
Emmanuelle Bayer, Bordeaux - France
Jacky Goetz, Strasbourg - France
Simonetta Gribaldo, Paris - France
Jana Helsen, Heidelberg - Germany
Dagmar Iber, Zurich - Switzerland
Sandra Iden, Hombourg - Germany
Benoit Ladoux, Erlangen - Germany
Marine Laporte, Lyon - France
Delphine Muriaux, Montpellier - France
Matthieu Platre, Montpellier - France
Jörg Renkawitz, Munich - Germany
Aurélien Roux, Geneva - Switzerland
Shiro Suetugu, Nara - Japan
Iva Tolic, Zagreb - Croatia

ORGANIZING COMMITTEE

Bénédicte Delaval, Montpellier
Mélina Heuzé, Paris
Stéphanie Lebreton, Paris
Étienne Morel, Paris
Marc Tramier, Rennes

Wednesday, October 21st

01:00 - 01:30pm **Welcoming participants & Registration**

01:30 - 02:00pm **Meeting Introduction**

02:00 - 02:30pm **JCJC SBCF 2026**
Understanding How an Organism Changes Its Shape from the Nanometer to the Whole-Organ Scale
Mathieu Platre

02:30 - 04:15pm - SESSION 1
Cell adhesion and environment in homeostasis and disease

Chairs: Bénédicte Delaval & Nathalie Sauvonnet

02:30 - 03:00pm **Homo- and heterotypic cell-cell interactions in epithelial tissues**
Sandra Iden

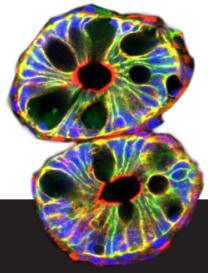
03:00 - 03:30pm **Nanoscale tracking of tumor metastasis**
Jacky Goetz

03:30 - 03:45pm **Geodesic actin networks in cancer cells**
Violaine Moreau

03:45 - 04:00pm **ER-PM contact sites mediated by VAPA act as central hubs for focal adhesions by regulating mechano-transduction and trafficking of integrins**
Julie Beaucousin

04:00 - 04:15pm **Cooperation between epithelial and mesenchymal cancer cell subpopulations promotes collective invasion in metaplastic breast cancer**
Hélène Vignes

04:15 - 04:30pm **Coffee break around partners**



Wednesday, October 21st

04:30 - 06:00pm - SESSION 2
Origin and evolution of cellular complexity

Chairs: Bénédicte Delaval & Benjamin Lacroix

04:30 - 05:00pm **Life cycle-coupled evolutionary trajectories of flagellar loss in Archaeplastida**
Jana Helsen

05:00 - 05:30pm **One or two membranes? Evolution of the cell envelope across the bacterial Tree of Life**
Simonetta Gribaldo

05:30 - 05:45pm **Evolution of β-Catenin Interaction Networks in the ctenophore Mnemiopsis leidyi: Insights into the Origins of Animal Cellular Complexity**
Lucas Guttieres

05:45 - 06:00pm **Mechanisms of multicellular contraction in a closest relative of animals, Choanoeca flexa**
Uzuki Horo

06:00 - 06:15pm **EDITORS TALKS**
- **JOURNAL OF CELL SCIENCE**
- **BIOLOGY OF THE CELL**

06:15pm **Welcoming general public**
Chair: Bénédicte Delaval

06:30pm **Visit of the exhibition**

07:00 - 08:00pm **General Public Lecture**
- **Introduction**
  Stéphanie Lebreton
- **Architectures vivantes** *(lecture in french)*
  Dr Manuel Théry, Biologiste cellulaire, Directeur de recherche au CEA et Co-Directeur du cytomorpholab

Thursday, October 22nd

08:15 - 08:45am **Welcoming participants**

08:45 - 08:55am **Introduction**
Bénédicte Delaval

09:00 - 09:45am **Keynote Lecture**
Cell matrix interactions in cancer progression
Johanna Ivaska

09:45 - 10:45am - SESSION 3
Membrane dynamics, trafficking and biomolecular condensates

Chairs: Étienne Morel & Stéphanie Miserey

09:45 - 10:15am **The many faces of intracellular vesicles**
Bruno Antonny

10:15 - 10:45am **Molecular basis for cellular compartmentalization by an ancient membrane fission mechanism**
Aurélien Roux

10:45 - 11:15am **Coffee break around partners**

11:15 - 11:30am **Stress-induced remodeling of RAB11-positive endosomes coordinates adaptive membrane trafficking**
Carla Alemany

11:30 - 11:45am **Gp78 ERAD activity in the omegasome drives mitophagy**
Ivan Robert Nabi

11:45 - 12:00pm **The proteasome promotes cytokinetic abscission by relieving an Aurora B-dependent inhibition of ESCRT-III dynamics**
Rayane Dibsy

12:00 - 12:15pm **Flash Poster Talks** - *Coordinator: Mélina Heuzé*

12:15 - 02:00pm **Lunch break around partners**
Meet the editors
Chair: Bénédicte Delaval
& Poster Session 1

Biology of the Cell | Journal of Cell Science | nature communications

Thursday, October 22nd

02:00 - 03:30pm - SESSION 4
Cellular interfaces: from cell communication to host microorganisme crosstalk

Chair: Mélina Heuzé

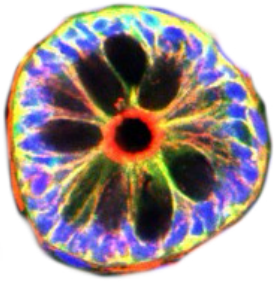
02:00 - 02:30pm **Crossing cell-cell boundaries : how do plant cells communicate ?**
Emmanuelle Bayer

02:30 - 03:00pm **HIV diverts lipids and cortical actin during assembly**
Delphine Muriaux

03:00 - 03:15pm **Vinculin and Arp2/3 regulate Transcellular Actin Fibers (TAFs) for collective coordination**
Stéphane Romero

03:15 - 03:30pm **Unlikely allies: non-canonical role for MMP14 and N-cadherin during cell migration**
Evangéline Despin-Guitard

03:30 - 03:45pm **Coffee break around partners**



Thursday, October 22nd

03:45 - 05:45pm - SESSION 5
Cytoskeleton and cellular dynamics

Chairs: Mélina Heuzé & Alexis Gautreau

03:45 - 04:15pm **Intercellular communication via extracellular vesicles derived from cellular protrusions**
Shiro Suetsugu

04:15 - 04:45pm **How Mechanobiology Shapes Immune Cell Function**
Jörg Renkawitz

04:45 - 05:00pm **G-Actin Availability Limits Actin Protrusion and Determines the Maximum Cell Spreading Area**
Simona Buracco

05:00 - 05:15pm **Differential regulation of formin-mediated actin assembly by vimentin intermediate filaments**
Lilian Paty

05:15 - 05:30pm **Scale-free organization of microtubule networks**
Anne-Betty Ndiaye

05:30 - 05:45pm **Excessive cortical contractility impairs oocyte quality through spontaneous polarization**
Anastasia Shihabi

05:45 - 05:50pm **Information**
Bénédicte Delaval

06:45pm **Dinner Cruise & entertainment by The Membrane Band**
Boarding will begin at 06:45pm
Departure of the barge at 7:15pm
Return to the dock around 10pm

MEMBRANE

Friday, October 23rd

08:30 - 09:00am **Welcoming participants**

09:00 - 10:45am - SESSION 6
Mechanobiology across scales

Chairs: Stéphanie Lebreton & Arnaud Echard

09:00 - 09:30am **Mechanics across scales: how physical forces shape epithelial form in development and disease**
Dagmar Iber

09:30 - 10:00am **Beyond Cell Shape: Stress Controls Division Orientation**
Benoît Ladoux

10:00 - 10:15am **Characterization of distinct F-Actin networks setting different cytoplasmic properties during early development.**
Charlotte Mallart

10:15 - 10:30am **Shear stress-regulated canonical and non-canonical ATG9A functions govern kidney tubular cell homeostasis**
Aurore Claude-Taupin

10:30 - 10:45am **Dynamic changes in cellular tension trigger rapid ERK signaling through EGFR trafficking**
Flora Crozet

10:45 - 11:15am **Coffee break around partners**

Friday, October 23rd

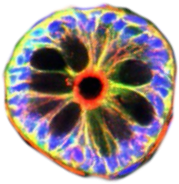
11:15 - 11:45am **Communication 13**
Iva Tolic

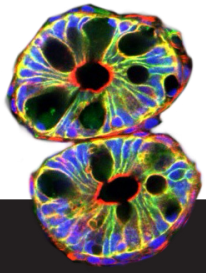
11:45 - 12:15pm **SPONSOR TALKS**
Coordinator: Marc Tramier

- THERMOFISHER
- CELLSENSE TEHCNOLOGIE
- HORIBA
- IMPETUX
- EVIDENT - OLYMPUS
- GATACA SYSTEMS + INSCOPER + RIMEO

12:15 - 02:15pm **Lunch break around partners**
Meet the editors
& Poster Session 2

Biology of the Cell
Journal of Cell Science
nature communications





Friday, October 23rd

02:15 - 04:15pm - SESSION 7
Frontiers in cellular imaging: from subcellular structures to multi-cellular systems

Chairs: Marc Tramier & Nicolas Borghi

02:15 - 03:00pm **Keynote Lecture**
Imaging the molecular processes of cell division across scales
Jan Ellenberg

03:00 - 03:30pm **Molecular mechanisms membrane remodelling across ciliary life cycle**
Marine Laporte - JCJC SBCF 2025

03:30 - 03:45pm **Fast, Label-Free Quantitative Phase Imaging Reveals Mitochondrial Fission In Live DRP1KO Cells**
Sahar Wehbi

03:45 - 04:00pm **Intracellular density and crowding regulation under constraints**
Solène Ludwig

04:00 - 04:15pm **Random Illumination Microscopy for super-resolved imaging of live specimen, from chromatin loop extrusion to cell migration in Drosophila egg chambers**
Anne Sentenac

04:15pm **Closing remarks**
Chair: Bénédicte Delaval

& Prizes
Chairs: Bénédicte Delaval, Mélina Heuzé, Stéphanie Lebreton, Étienne Morel & Marc Tramier

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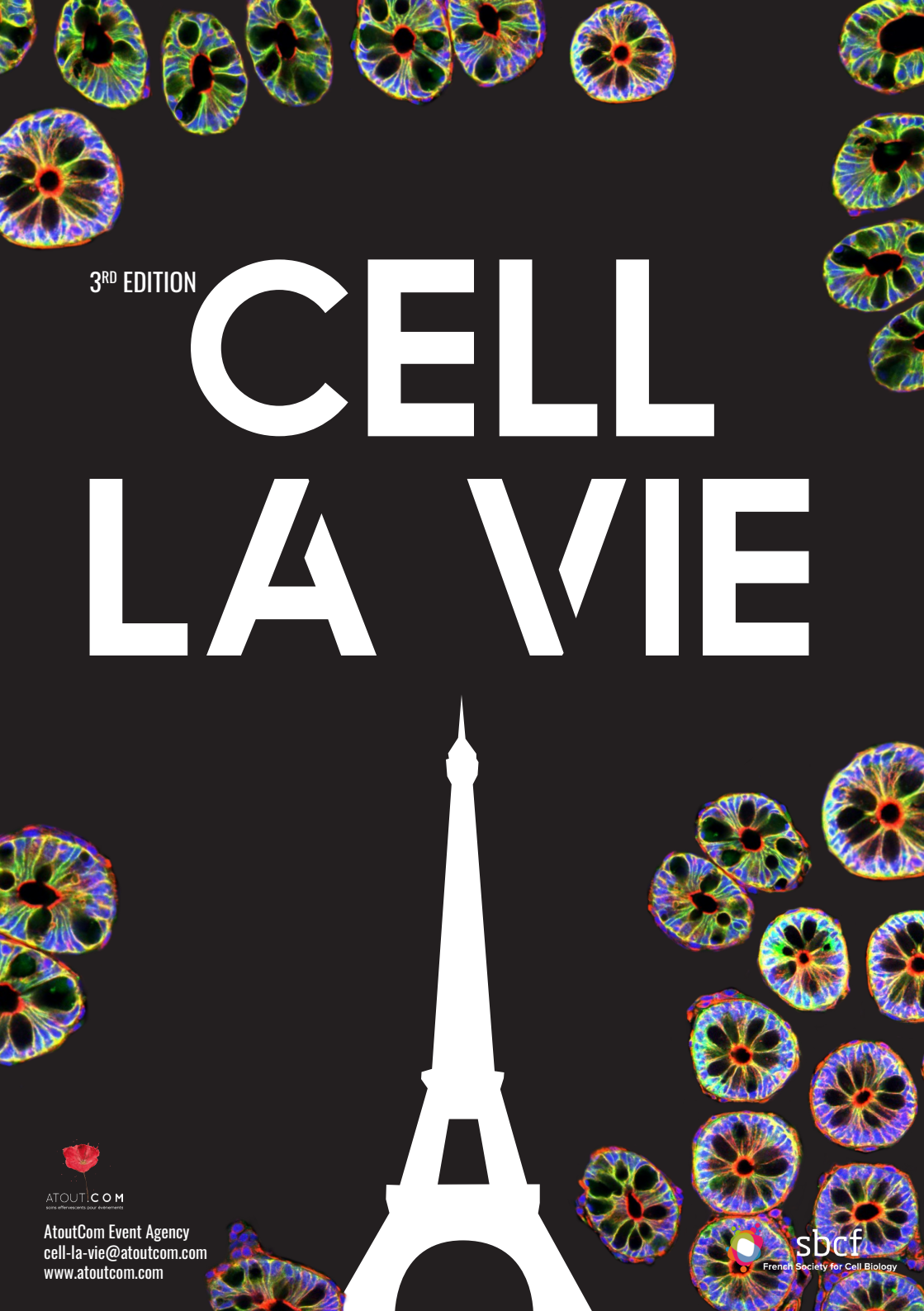

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