

Phosphoinositides

Key Regulators of Cell Signaling and Membrane Dynamics in Health and Disease

KEYNOTE & INVITED SPEAKERS

Vytas Bankaitis (USA)	Jim Hurley (USA)
Emmanuelle Bayer (FR)	Jen Liou (USA)
John Burke (CA)	Ganna Panasyuk (FR)
Antonella De Matteis (IT)	Takehiko Sasaki (JP)
Dorothea Fiedler (DE)	Len Stephens (UK)
Mariona Graupera (ES)	Lloyd Trotman (USA)
Gerry Hammond (USA)	Bart Vanhaesebroeck (UK)
Volker Haucke (DE)	Julien Viaud (FR)
Emilio Hirsch (IT)	Lois Weisman (USA)

ORGANIZERS:

Bruno GOUD (FR)
Volker HAUCKE (DE)
Bernard PAYRASTRE (FR)
Julien VIAUD (FR)

J.E. Dumont Meeting
Association



100

PARTICIPANTS
ONLY

18 spots available
for short talks

Mont Sainte-Odile, Alsace, France
October 7-10, 2026

FULL-PACKAGE INCLUDES:

Scientific Sessions, 3 Nights accomodation, All
Meals, Transport from Strasbourg

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Abstract deadline: July 31, 2026



Wednesday October 7th

16:00 – 16:15 **Welcome**

Session 1: Phosphoinositide signaling & stress responses in cancer (Chair: Volker Haucke)

Supported by ;



16:15 – 16:45 **Mariona Graupera** (Josep Carreras Leukaemia Research Institute, Barcelona, Spain) “Behaviours of cancer-associated PI3K mutations in congenital mosaic syndromes”

16:45 – 17:15 **Lloyd Trotman** (Cold Spring Harbor Laboratory, Cold Spring Harbor, USA) “Redox control of endocytosis for metastatic cancer therapy”

17:15 – 17:30 **Benoit Bilanges** (University College London, London, UK) “Pharmacological activation of PI3K α triggers cancer cell death under metabolic stress”

17:30 – 17:45 **Theodora A. Constantin** (University of Basel, Basel, Switzerland) “Pharmacological Instant “Knockout” of PI3K α Resolves Metabolic Response Thresholds”

17:45 – 18:00 **Julie Guillermet-Guibert** (Centre de Recherches en Cancérologie de Toulouse, CRCT, Toulouse, France) “Pancreatic cancer cell adaptation to mechanical compressive stress reveals dynamics of class I PI3K activity and a targetable vulnerability”

18:00 – 18:15 **Sarah Conduit** (University College London, London, UK) “Solid tumour cell-intrinsic function of PI3K δ ”

18:15 – 18:30 **Kseniia Golik** (Toronto Metropolitan University, Toronto, Canada) “Akt out and find out: how clathrin modulates Akt isoform activation”

18:30 – 20:00 **Dinner**

20:00 - 20:10 Tribute to Ana Carrera presented by David Fruman

20:10 – 21:10 *The Jacques E. Dumont keynote lecture (Chair: David Fruman)*

Bart Vanhaesebroeck (University College London, London, UK)
“PI3K: 30+ years of discovery and translation”

21:00 **Networking and discussion**

Thursday October 8th

Session 2: Phosphoinositides in membrane contact site function (Chair: Bruno Goud)

09:00 – 09:30 **Jen Liou** (UT Southwestern Medical Center, Dallas, USA) “Phosphoinositide Signaling at Membrane Contact Sites”

09:30 – 09:45 **Cristina Camardi** (Toronto Metropolitan University, Toronto, Canada) “The forgotten chain: LYCAT-mediated phosphoinositide acyl remodeling drives ER-PM contact site signaling to support breast cancer cell migration”

09:45 – 10:00 **Todd Graham** (Vanderbilt University, Nashville, USA) “Control of Golgi PI4P homeostasis and COPI recruitment by a PI4P flippase”

10:00 – 10:30 **Emmanuelle Bayer** (Laboratoire de Biogenèse Membranaire, Université de Bordeaux, France) "Crossing boundaries: Cell-cell Communication through membrane contact sites"

10:30 – 11:00 Coffee break

11:00 – 11:30 **Vytas Bankaitis** (Texas A&M Health Science Center, College Station, USA) “An Atomistic Description of Lipid Exchange by a phosphatidylinositol Transfer Protein”

11:30 – 12:00 **Dorothea Fiedler** (Leibniz Institute für Molecular Pharmacologie, Berlin, Germany) “The multiple modes of action of inositol pyrophosphate messengers”

12:00 – 14:00 Lunch

14:00 – 18:30 Networking

18:30 – 20:00 Dinner

20:00 – 21:00 Keynote lecture (Chair: Bernard Payrastre)

Len Stephens (Babraham Institute, Cambridge, UK)
“PI3K signalling in prostate”

21:00 Poster Session 1

Friday 9th October

Session 3: Molecular mechanisms of phosphoinositide signaling & membrane recruitment (Chair: Bernard Payrastre)

09:00 – 09:30 **Jim Hurley** (University of California, Berkeley, USA) “Writing and reading the PI3P signal in autophagy”

09:30 – 10:00 **John Burke** (University of Victoria, Victoria, Canada) “Novel regulatory mechanisms that control membrane recruitment of the phosphoinositide kinases”

10:00 – 10:15 **Raymond D. Blind** (Vanderbilt University School of Medicine and Medical Center, Nashville, USA) “Computed nuclear receptor phospholipid binding modes: using wet-lab yes/no binding data to train a categorical neural network”

10:15 – 10:30 **Daniel Lietha** (Margarita Salas Center for Biological Research (CIB), Spanish National Research Council (CISC), Madrid, Spain) “Structural insights into clustered membrane signaling provide basis for high signal output and enable alternative targeting strategies”

10:30 – 11:00 Coffee break

Session 4: PIKfyve functions in health and disease (Chair: Christoph Fahlke)

11:00 – 11:30 **Lois Weisman** (Life Sciences Institute, University of Michigan, USA) “Regulation of PIKfyve on Dynamic Endosomes Promotes Cell Migration”

11:30 – 11:45 **Iona Willson** (The University of Sheffield, Sheffield, UK) “A Mechanistic Understanding of PIKfyve Signalling During Phagosome Maturation”

11:45 – 12:00 **Hélène Tronchere** (Institute of Metabolic and Cardiovascular Diseases (I2MC), Inserm UMR1297, Toulouse, France) “PIKfyve regulates endolysosomal and mitochondrial function in cardiomyocytes. Implication for heart failure”

12:00 – 14:00 Lunch

Session 5: "Phosphoinositide signaling in nuclear functions and genome integrity" (Chair: Ray Blind)

14:00 – 14:30 **Ganna Panasyuk** (Institut Necker-Enfants Malades (INEM), Paris, France) “Class 3 PI3K and PI3P: From cytosolic roles to nuclear transcription”

14:30 – 15:00 **Emilio Hirsch** (University of Torino, Torino, Italy) " Spatial Control of Phosphoinositides Safeguards Cytokinesis and Genome Integrity"

15:00 – 15:20 **Richard Anderson** (University of Wisconsin, Madison, USA) “Phosphoinositide Lipids Linked to Proteins Represent a 3rd Messenger Pathway”

15:20 – 15:40 **Nullin Divecha** (University of Southampton, Southampton, UK) “Targeting nuclear Phosphoinositide interacting PHD fingers in Acute myeloid leukaemia”

15:40 – 15:55 **Nadia Gillet** (IRIBHM Jacques E. Dumont, ULB/Faculty of Medicine, Brussels, Belgium) “SHIP2 maintains mitotic integrity and represents a synthetic lethal vulnerability in p53-deficient Esophageal squamous cell carcinoma”

15:55 – 16:30 Coffee break

**Session 6: Spatio-temporal control of phosphoinositide pools in membrane dynamics
(Chair: Richard Anderson)**

16:30 – 17:00 **Volker Haucke** (Leibniz Institute für Molecular Pharmacologie, Berlin, Germany) “Lipid signaling in health and disease: From organelles to brain function”

17:00 – 17:30 **Gerry Hammond** (University of Pittsburgh School of Medicine, Pittsburgh, USA) “Not so happy together: single molecule imaging of class 1A PI3K subunit activation in the living cell”

17:30 – 17:45 **Raghu Padinjat** (National Centre for Biological Sciences-TIFR, Bangalore, India) “Phosphatidylinositol 5 phosphate 4 kinase regulates phosphatidylinositol 3,4 bisphosphate levels in vivo”

17:45 – 18:00 **Francesca Cervellini** (Telethon Institute of Genetics and Medicine, TIGEM, Pozzuoli, Naples, Italy) “OCRL Regulates a Novel PI(4,5)P₂ Pool on Lipid Droplets Essential for Fatty Acid Metabolism and Mitochondrial Function”

18:00 – 18:15 **Natalie Uzynski** (Toronto Metropolitan University, Toronto, Canada) “A PIP-ing Hotspot for PI3K-Akt Signaling within Clathrin Signalosomes”

18:30 – 20:00 Dinner

20:00 – 21:00  **Keynote lecture : (Chair: Bruno Goud)**

Maria Antonietta De Matteis (Telethon Institute of Genetics and Medicine, TIGEM, Pozzuoli, Naples, Italy)
"A PIPeline for drug discovery in Lowe syndrome"

21:00 Poster Session 2

Saturday October 10th

Session 7: Phosphoinositide signaling in health and human disease (Chair: Julie Guillermet-Guibert)

09:00 – 09:30 **Julien Viaud** (Institute of Metabolic and Cardiovascular Diseases (I2MC), Inserm UMR1297, Toulouse, France) "MTM1-dependent phosphoinositide remodeling regulates endosomal trafficking and integrin dynamics in XLMTM"

09:30 – 09:45 **Lalita Oparija-Rogenmozere** (University of Basel, Basel, Switzerland) "Two PI3Kg Complexes Drive Distinct Metabolic Disease Phenotypes"

09:45 – 10:00 **Isra Mentouri** (Institute of Metabolic and Cardiovascular Diseases (I2MC), Inserm UMR1297, Toulouse, France) "Differential contributions of PI3K γ adaptor complexes to atherosclerosis: p101-p110 γ as a precision target for foam cell formation"

10:00 – 10:30 Coffee break

10:30 – 11:30 Keynote lecture (Chair: Julien Viaud)

Takehiko Sasaki (Medical Research Laboratory, Institute of Science Tokyo, Tokyo, Japan)
"Phosphoinositide Remodeling as a Regulatory Axis in Aging and Disease"

11:30 – 12:00 Poster prizes and Conclusions

12:15 Picnic pickup and departure