

11th European Conference on Tetraspanins

September 17-19, Montpellier France



Program

Wednesday, September 17, 2025	
14:00-15:00	Registration with coffee
15:00-15:15	Welcome by Pierre-Emmanuel Milhiet (organizer) and Prof Philippe Augé (President of the University of Montpellier)
15:15-16:00	Keynote lecture: Fedor Berditchevski <i>Birmingham University (UK)</i>
Session 1 TETRASPANINS in IMMUNITY, INFECTION and HEMOSTASIS	
16:00-16:25	Annemiek van Spriel <i>Nijmegen Univ (Netherlands)</i> - N-Glycosylation-dependent regulation of immune-specific tetraspanins CD37 and CD53
16:25-16:40	Zane Orinska <i>Lübeck Univ. (Germany)</i> - CD37 effects in regulation of mast cell activation
16:40-17:00	Tessa Barrett <i>New York Univ. (USA)</i> - Tetraspanin CD37 Regulates Platelet Hyperreactivity and Thrombosis
17:00-17:20	Stefanie Scheu <i>Rostock University Medical Center (Germany)</i> - Tspan2 in anti-infectious immune responses and CNS autoimmunity
17:20-19:00	Get together with drinks
Free evening	
Thursday, September 18, 2025	
Session 1, continued TETRASPANINS in IMMUNITY, INFECTION and HEMOSTASIS	
9:00-9:25	Luise Florin <i>Mainz Univ (Germany)</i> - Tetraspanin CD151 and Its Partners as Key Mediators of Human Papillomavirus Entry and Early Infection Events
9:25-9:40	Morales Joaquin <i>Madrid Univ (Spain)</i> - Tetraspanins as an immunogenic adjuvant in lipid nanovesicles
9:40-9:55	Valentin Berdal <i>CNRS & Montpellier Univ. (France)</i> - CD81 and SufA: Bridging host invasion and iron-sulfur homeostasis in <i>Mycobacterium abscessus</i>

9:55-10:15	Luke Green <i>Sheffield Univ. (UK)</i> - Dynamism of the CD9 interactome during bacterial infection
10:15-10:35	Laura Corneillie and Léa Mézière <i>Pasteur Institute, Lille (France)</i> - The Tetraspanin CD81 is involved in the Hepatitis E Virus Lifecycle
10:35-11:00	Coffee break
Session 2 TETRASPANINS in TRAFFICKING and MEMBRANE REMODELLING	
11:00-11:25	Li Yu <i>Tsinghua University (China)</i> - The Essential Role of Tetraspanins in Migrasome and Retraction Fiber Formation
11:25-11:40	Yuwei Huang <i>Xi'an Jiao tong University (China)</i> - Palmitoylation of tetraspanin4 is essential for migrasome formation
11:40-12:05	Raya Sorkin <i>Tel Aviv Univ (Israel)</i> - Tetraspanin-Mediated Membrane Shaping and Remodeling
12:05-12:20	Angelique Kenyon <i>Nijmegen Univ (Netherlands)</i> - Microvilli formation in T cells is dependent on tetraspanin CD53
12:20-12:35	Misko Bobeldijk <i>Utrecht Univ (Netherlands)</i> - Appreciating sEV heterogeneity: A Tale of Tetraspanins
12:35-12:55	Muna Naash <i>Houston Univ. (USA)</i> - Delineating the Mechanisms of PRPH2/ROM1 Trafficking and Implications for Disease Pathogenesis
12:55-14:00	Lunch
Session 3 TETRASPANINS and their INTERACTION PARTNERS	
14:00-14:25	Mike Tomlinson <i>Birmingham Univ. (UK)</i> - Six scissors – regulation of the molecular scissor ADAM10 by TspanC8 Tetraspanins
14:25-14:40	Guus Franken <i>Nijmegen Univ (Netherlands)</i> - Cell surface interactome analysis identifies TSPAN4 as a negative regulator of PD-L1 in melanoma
14:40-14:55	Litzau Lauren <i>Harvard Univ, Boston (USA)</i> - Tetraspanin CD151 and how it engages and modulates the laminin-binding integrin $\alpha3\beta1$
14:55-15:10	Harry Warner <i>Nijmegen Univ (Netherlands)</i> - Interleukin 6 receptor nanodomain regulation by tetraspanin CD37 in B-cell Lymphoma
15:10-15:35	Eric Rubinstein <i>Inserm, Paris (France)</i> – Differential regulation of ADAM10 by TspanC8 Tetraspanins
Session 4 TETRASPANINS in CANCER and DEVELOPMENT	
15:35-15:55	Françoise Degoul <i>iGReD, Clermont Auvergne Univ., Clermont-Ferrand (France)</i> - Interplay Between TSPAN8 and Phosphatases in Prostate Cancer
15:55-16:15	Claude Boucheix, Laurence Cocquerel, Annemiek van Spriel: <i>Tribute to Shoshana Levy</i>
16:15-18:30	Poster session
Conference dinner at the old Faculty of Medicine	
Friday, September 19, 2025	
Session 4 continued TETRASPANINS in CANCER and DEVELOPMENT	
9:00-9:25	Stefan Lichtenthaler <i>German Center for Neurodegenerative Diseases, Munich (Germany)</i> - Physiological Function of TSPANs in Notch signaling
9:25-9:40	Jason Bernauer <i>Univ. Bourgogne Franche-Comté, Besançon (France)</i> - Tspan15 inhibition: an innovative therapeutic strategy for blocking the metastatic role of N-cadherin in carcinomas

9:40-9:55	Muayyad Alubaidi <i>Houston Univ. (USA)</i> - Pan-variant treatment for retinal diseases caused by mutations in PRPH2, the retina-specific TSPAN2
Session 5 STRUCTURAL and ORGANIZATIONAL ASPECTS OF TETRASPANINS	
9:55-10:20	Stephen Blacklow <i>Harvard Univ, Boston (USA)</i> - Structural Basis for Modulation of ADAM10 Substrate Preferences by Tspan-C8 Proteins
10:20-10:35	Luke Broadbent <i>Aston University, Birmingham (UK)</i> - Classifying tetraspanins: A universal system for numbering residues and a proposal for naming structural motifs
10:35-11:00	Coffee break
11:00-11:20	Katherine Susa <i>University of California, San Francisco (USA)</i> - Structure and signaling mechanism of the Frizzled-4/Tetraspanin-12 complex
11:20-11:45	Thorsten Lang <i>Bonn Univ (Germany)</i> - Crosstalk between PIP ₂ -domains and the CD9 intracellular salt-bridge
Session 6 TETRASPANINS and EXTRACELLULAR VESICLES	
11:45-12:10	María Yáñez-Mó <i>Madrid Univ (Spain)</i> - Membrane nanodomains connecting mitochondrial turnover and the cellular secretome
12:10-12:30	Patrick Laurent <i>Univ. Libre de Bruxelles (Belgium)</i> - Ciliary ectosome biogenesis as a homeostatic response to disrupted cilia trafficking and signalling.
12:30-12:40	Sponsor talk (Particle Metrix)
12:40-14:00	Lunch
14:00-14:25	Ramaroson Andriantsitohaina <i>Montpellier (France)</i> - sEV Nanomedicine for Hypothalamic Intervention in Cardiometabolic Complications of Obesity
14:25-14:40	Miguel Palma-Cobo <i>Madrid Univ (Spain)</i> - Identifying key molecular players in Extracellular Vesicles uptake through a Genome-Wide CRISPR/Cas9 screen
14:40-15:05	Guillaume Van Niel <i>Nantes Univ. (France)</i> - Fundamental role of CD63 and its harnessing in the study of extracellular vesicles
15:05	Conclusions & Plans & Good bye

15:30 End

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