

Thursday, June 29, 2023

TIME	EVENT
08:45 - 09:30	Reception - Registration
09:30 - 09:35	Welcome adress - -
09:35 - 10:30	Session 1 - Microtubules & Cell Division (Amphithéâtre Jean-Jacques Moreau) - Benjamin Lacroix
09:35 - 09:50	› Forces which position spindles during symmetric or asymmetric cell division in the ascidian embryo - <i>Janet Chenevert, LBDV, Villefranche-sur-mer</i>
09:50 - 10:05	› Microtubule rigidity likely plays a regulatory role during the first division of the <i>C. elegans</i> embryo - <i>Louis CUEFF, IGDR, Rennes</i>
10:05 - 10:30	› Microtubule reorganization during mitotic cell division in the dinoflagellate <i>Ostreospis cf. ovata</i> - <i>Stefania Castagnetti, LBDV, Villefranche sur mer</i>
10:30 - 10:50	Coffee break
10:50 - 12:00	Session 2 - Microtubules & Cell Division (Amphithéâtre Jean-Jacques Moreau) - Ariane Abrieu
10:50 - 11:05	› The LI-COR technology for reproducible detection of the tubulin code. - <i>Nikolaos Parisis, LI-COR</i>
11:05 - 11:20	› Kinetochore microtubules flux poleward along fixed centrosome anchored microtubules during the metaphase of <i>C. elegans</i> one -cell embryo - <i>Mathis Da Silva, IGDR, Rennes</i>
11:20 - 11:35	› Unveiling the critical role of the p80 regulatory subunit for Katanin-Microtubule interaction - <i>Nicolas Joly, Institut Jacques Monod, Cell Cycle and development Team, CNRS-UMR7592, Institut Jacques Monod, Paris, France.</i>
11:35 - 12:00	› Only three principal components account for inter-embryo variability of the spindle length over time. - <i>Jacques Pécréaux, IGDR, Rennes</i>
12:00 - 13:00	Lunch
13:00 - 14:40	Poster Session
13:00 - 14:40	› 3D morphometric measurement of plant mitotic spindles - <i>Martine Pastuglia, Institut Jean-Pierre Bourgin</i>
13:00 - 14:40	› An experimental pipeline to measure selective control of microtubule functions by tubulin post-translational modifications - <i>Arya Krishnan, Institut Curie, Université Paris-Saclay, CNRS UMR3348, Orsay, France</i>
13:00 - 14:40	› ATIP3 DEFICIENCY SENSITIZES BREAST CANCER CELLS TO WEE1 INHIBITION - <i>Maria Haykal, Université Paris Saclay- Institut Gustave Roussy, Inserm U981, Villejuif, France</i>
13:00 - 14:40	› Characterization of Mklp2/IFT proteins mitotic complex regulation - <i>Morgane Rodriguez, Université de Montpellier, CRBM, CNRS, Montpellier</i>
13:00 - 14:40	› CKAP5 enables seeding of actin bundles by exploratory microtubules - <i>Michaela Zdimalova, Institute of Biotechnology of Czech Academy of Sciences</i>
13:00 - 14:40	› Controlled tau cleavage in cells reveals abnormal localizations of tau fragments - <i>anne fourest-lieuvin, Grenoble Institut des Neurosciences</i>
13:00 - 14:40	› Cytoskeleton remodeling by subcellular-restricted 2nd messengers during axon guidance - <i>Izeta Kankadze, Institut de la Vision</i>
13:00 - 14:40	› Discovery and functional characterization of α -tubulin deetyrosinase in <i>Drosophila</i> - <i>François Juge, Institut de génétique humaine</i>
13:00 - 14:40	› Expansion microscopy of <i>Xenopus</i> egg extract spindles - <i>Gabriel Guilloux, Institut de Génétique et Développement de Rennes</i>
13:00 - 14:40	› Functional analysis of MAP250, a novel partner of the deubiquitinase CYLD, during ciliogenesis. - <i>Logan GREIBILL, Institut de Biologie Intégrative de la Cellule</i>
13:00 - 14:40	› MAP6: a multifunctional regulator of the cytoskeleton - <i>Christian Delphin, Grenoble Institut des Neurosciences</i>
13:00 - 14:40	› Microtubule reorganization in epidermal keratinocytes - <i>Keying GUO, Centre for Integrative Biology - CBI</i>
13:00 - 14:40	› Microtubule rigidity likely plays a regulatory role during the first division of the <i>C. elegans</i> embryo - <i>Louis CUEFF, IGDR - UMR6290</i>
13:00 - 14:40	› Microtubule-associated ATIP3 regulates the NF κ B pathway in breast cancer cells - <i>Sylvie Rodrigues-Ferreira, INSERM U981, HEALTHI, Université Paris Saclay, Gustave Roussy Department of Molecular Medicine, 94800 Villejuif, France., Inovaron, Paris, France</i>

TIME	EVENT
13:00 - 14:40	› Polyglutamylation of PCM1 regulates centriolar satellite integrity and ciliogenesis. - <i>Ghislain Gillard, Institut de génétique humaine</i>
13:00 - 14:40	› Posttranslational polyglutamylation of microtubules in neuronal homeostasis and degeneration - <i>Shreyangi Chakraborty, Institut Curie, PSL Research University, CNRS UMR3348, Orsay, France, Université Paris-Saclay, CNRS UMR3348, Orsay, France</i>
13:00 - 14:40	› ROLE OF MAP6D1 PROTEIN IN BRAIN PHYSIOLOGY - <i>Juliette Wu, [GIN] Grenoble Institut des Neurosciences - Sylvie Gory-Fauré, [GIN] Grenoble Institut des Neurosciences</i>
13:00 - 14:40	› Role of the Mitochondria-Microtubule relationship in the axon fate after trauma - <i>Theo Andriot, Neuroscience Paris Seine, UMR8246 U1130, IBPS Sorbonne Université</i>
13:00 - 14:40	› Role of the SUMOylation of Cin8 and Ase1 on the organisation of the mitotic spindle midzone - <i>Paul Lambey, Centre de recherche en Biologie cellulaire de Montpellier</i>
13:00 - 14:40	› Selective control of microtubule mechanics by tubulin isotypes and posttranslational modifications - <i>Sinda Khanfir, Institut Curie, Université Paris-Saclay, Department of Bionanoscience, Kavli Institute of Nanoscience, Delft University of Technology, Delft, The Netherlands</i>
13:00 - 14:40	› Snake venom myotoxins as microtubule-targeting peptides. - <i>Cecilia Gonzalez Garcia, Institut de neurophysiopathologie - José LUIS, Institut de neurophysiopathologie</i>
13:00 - 14:40	› SUMO-dependent quality control of yeast kinesin-5 - <i>Dimitris Liakopoulos, Centre de recherche en Biologie cellulaire de Montpellier</i>
13:00 - 14:40	› Syntabulin controls cell migration and mitochondrial transport along microtubules in breast cancer - <i>Morgane MORIN, Institut Gustave Roussy</i>
13:00 - 14:40	› The Role of Microtubule Acetylation in Glioblastoma Radioresistant Cell Responses - <i>Sara KHALILIAN, Institut Pasteur, Sorbonne Université</i>
13:00 - 14:40	› Using proximity-dependent biotinylation to uncover the MAP code associated with a specific β -tubulin tyrosination pattern in <i>Trypanosoma brucei</i> - <i>JEREMY VINCENT, MIVEGEC-BioGEPPE</i>
13:00 - 14:40	› Visualization of MAP6-positive microtubules throughout the neuronal MT network: input of expansion microscopy - <i>Sylvie Gory, [GIN] Grenoble Institut des Neurosciences - Eric Denarier, [GIN] Grenoble Institut des Neurosciences</i>
13:00 - 14:40	› When tubulin meets the keratin network under hypothermia - <i>Daniel Perdiz, UMR-S 1193, Faculté de Pharmacie</i>
14:40 - 15:35	Session 3: Tubulin Modifications (Amphithéâtre Jean-Jacques Moreau) - <i>Magda Magiera</i>
14:40 - 14:55	› Detyrosination of α and β -tubulin in <i>Leishmania</i> parasites controls the amastigote cytoskeletal architecture and pathogenicity in the mammalian host - <i>Maude LEVEQUE, MIVEGEC, Montpellier</i>
14:55 - 15:10	› VASH1–SVBP and VASH2–SVBP generate different detyrosination profiles on microtubules - <i>Chadni Sanyal, Grenoble Institut Neurosciences</i>
15:10 - 15:35	› A new family of carboxypeptidases catalyzes α - and β -tubulin tails processing and deglutamylation - <i>Krzysztof ROGOWSKI, Institut de génétique humaine, Montpellier</i>
15:35 - 16:00	Coffee break
16:00 - 16:55	Session 4: Tubulin Modifications in Neurons (Amphithéâtre Jean-Jacques Moreau) - <i>Anne Debant</i>
16:00 - 16:15	› Post-translational modifications of microtubules in Alzheimer's Disease- An unexpected interplay between acetylation and (de)tyrosination - <i>Aditi Sharma, Grenoble institute of neurosciences</i>
16:15 - 16:30	› Doublecortin regulates neuronal migration through modifying the tubulin code - <i>Muriel Sébastien, Department of Biology, McGill University, Montréal</i>
16:30 - 16:55	› Modifications of tubulin polyglutamylation patterns by specific tubulin glutamylases selectively rescue the axonal defects associated with reduced levels of microtubule severing enzymes - <i>Coralie Fassier, Neuroscience Paris Seine, Institut de la Vision, Paris</i>
16:55 - 17:05	Break
17:05 - 18:00	Keynote lecture: Anna AKHMANOVA (Amphithéâtre Jean-Jacques Moreau)
17:05 - 18:00	› The Ins and Outs of Microtubule Tip Control by Centrosomal and Ciliary Proteins - <i>Anna Akhmanova, Cell Biology, Neurobiology and Biophysics, Department of Biology, Faculty of Science, Utrecht University</i>
18:00 - 18:20	Group picture
20:00 - 23:00	Gala dinner (Le Petit Jardin, Montpellier)

Friday, June 30, 2023

TIME	EVENT
09:00 - 10:20	Session 5: Microtubules in Neurons (Amphithéâtre Jean-Jacques Moreau) - Coralie Fassier
09:00 - 09:15	› PKC-mediated phosphorylation of fidgetin-like1 tunes the Microtubule/Actin crosstalk required for Wnt5a-evoked contralateral retinal axon outgrowth - <i>Samya Zerkoune, Institut de la Vision, Paris</i>
09:15 - 09:30	› The +TIP Navigator-1 controls directed cell migration by regulating focal adhesion turnover - <i>Jérôme Boudeau, Centre de recherche en Biologie cellulaire de Montpellier</i>
09:30 - 09:45	› Microtubules organization in axonal growth and AIS assembly of Huntington's Disease Neurons - <i>MARIACRISTINA CAPIZZI, Paris Brain Institute (ICM), Paris, France</i>
09:45 - 10:00	› CKAP5 enables seeding of actin bundles by exploratory microtubules - <i>Jan Sabo, Institute of Biotechnology, CAS, Vestec</i>
10:00 - 10:15	› Cryo-EM of human KIF1A reveals its mechanism of motility and the effect of its pathogenic variant P305L - <i>Matthieu Benoit, Albert Einstein College of Medicine, New York</i>
10:20 - 10:50	Coffee break
10:50 - 12:00	Session 6: Microtubules, Assembly & Regulation (Amphithéâtre Jean-Jacques Moreau) - Krzysztof Rogowski
10:50 - 11:05	› Effects of the neuron-specific paralog of MAP6 on microtubule structure and dynamics - <i>Dharshini GOPAL, Grenoble Institut des Neurosciences</i>
11:05 - 11:20	› Characterization of the interaction between IFT proteins and the mitotic motor HSET in a simplified in vitro system - <i>Audrey Guesdon, Centre de recherche en Biologie cellulaire de Montpellier</i>
11:20 - 11:35	› Roles of the cytoskeleton and of the LINC complex in alterations of mechanotransduction under paclitaxel treatment - <i>Anita Baillet, Univ. Paris-Saclay, UFR Pharmacie, Orsay</i>
11:35 - 12:00	› Structural studies of microtubule dynamics regulation by CPAP - <i>Benoit Gigant, Institut de Biologie Intégrative de la Cellule</i>
12:00 - 13:20	Lunch
13:20 - 14:40	Session 7: Microtubules, Assembly & Regulation (Amphithéâtre Jean-Jacques Moreau) - Benjamin Vitre
13:20 - 13:35	› Uncovering the multi-step process of stable microtubule bundle formation upon entry into quiescence - <i>Damien Laporte, Institut de biochimie et génétique cellulaires UMR5095</i>
13:35 - 13:50	› Microtubule structural instability - <i>Clément Bousquet, Institut de Génétique et Développement de Rennes</i>
13:50 - 14:05	› MAP7 is required for microtubule reorganisation - <i>Anne-Marie Berisha, Institut de Génétique et Développement de Rennes</i>
14:05 - 14:40	› Assembly and regulation of the microtubule nucleator gamma-tubulin ring complex - <i>Jens Lüders, Institute for Research in Biomedicine, Barcelona</i>
14:40 - 15:10	Coffee break
15:10 - 16:30	Session 8: Microtubules, Assembly & Regulation - Jérôme Boudeau
15:10 - 15:25	› The yeast kinesin Kip2 implements a swiss army knife strategy to promote MT growth - <i>Didier Portran, Centre de recherche en Biologie cellulaire de Montpellier</i>
15:25 - 15:40	› Effect of microtubule destabilizing agents and arsenic on CLIP-170 and p150Glued post-translational modifications - <i>Béatrice BENOIT, Université Paris-Saclay, UFR Pharmacie, Moissan, Orsay</i>
15:40 - 16:05	› Microtubule plus-end dynamics link wound repair to the innate immune response - <i>Nathalie Pujol, Centre d'Immunologie de Marseille - Luminy</i>
16:05 - 16:30	› Identification and characterization of Trim69, a novel broad-spectrum viral inhibitor that acts by reorganizing the microtubule network - <i>Andrea CIMARELLI, Centre International de Recherche en Infectiologie</i>
16:30 - 16:40	Poster Prize (Amphithéâtre Jean-Jacques Moreau)
16:40 - 17:00	Business & Concluding remarks (Amphithéâtre Jean-Jacques Moreau)

