

Journée scientifique du Département STS

Mardi 1er octobre 2019

Centre Condorcet, Pessac

Programme Scientifique

- 9h00 - 9h15 Introduction - Gilles Guichard
- 9h15 - 10h Plenary Session: Dr Sylvain Richard. *Méthodes et Approches électrophysiologiques pour l'analyse de variants cardiaques de signification inconnue*. Physiology & Experimental Medicine of the Heart and Muscles (PhyMedExp), INSERM U1046, CNRS UMR 9214, University of Montpellier
- 10h - 10h15 Flash Poster presentations
- Cécile Feuillie, M Azouz, S Henry, M Ewald, C Cullin, Sophie Lecomte, Michael Molinari. *Atomic Force Microscopy study of amyloid peptide / membrane interactions in the context of Alzheimer's disease*. CBMN
- Laurence Dallet, T Faller, O Lambert, S Miraux, EJ Ribot. *Comparison of iron oxide particles for theranostic: MRI cell monitoring and anti-cancer thermoablation*. CRMSB
- Jérémie Buratto, L Mauran, S Fribourg, S Goudreau, G Guichard. *Structural Insights into hDM2 protein Recognition by Oligourea Foldamers*. CBMN
- Florian Alonso, Y Dong, R Melhem, I Fremaux, D Reinhardt, E Genot. *Extracellular matrix protein Fibrillin-1 regulates angiogenesis and microvascular homeostasis*. CTCTB
- Agathe Grémare, L Thibes, Y Torres, D Portart, M Gluais, N Da Silva, M Fenelon, JC Fricain, N L'heureux. *Development of vascular substitute produced by weaving yarns of human amniotic membrane*. BioTis
- 10h15 - 10h45 PhD/Post-Doc oral presentations
- Omar El Hamoui, B Alies, G Lespes, T Sayde, P Le Coustumer, P Barthelemy, S Battu, K Gaudin. *Low Molecular Weight Gelators-based Hydrogel as a 3D cell culture scaffold*. ARNA
- Guillaume Cardouat, M Douard, P Robillard, F Delcambre, M Dubois, R Marthan, B Muller, C Guibert, V Freund-Michel. *Role of Connexin 43 increased expression in pulmonary arterial hyperreactivity induced by the nerve growth factor NGF*. CRCTB
- Coffee break
- 11h15 - 11h30 Flash Poster presentations
- Alba Herrero, B Seip, I Cervera-Marzal, G Sacheau, AC Seefeldt, A Innis. *Ornithine capture by a translating ribosome controls bacterial polyamine synthesis*. IECB

Gaëlle Lamon, V Aimanianda, I Valsecchi, J Tolchard, A Grelard, B Habenstein, I Guijarro, A Loquet. *Structural characterization of Aspergillus fumigatus cell wall architecture by solid-state NMR*. CBMN

Estelle Renard, NR Faye, G Dargazanli, P Pasdois, O Bernus. *Development of new voltage-sensitive fluorescent dyes for cardiac optical mapping*. IHU-LIRYC

Joanna Babilotte, B Martin, R Bareille, D Le Nihouannen, S Catros. *Characterization of a Poly(lactic-co-glycolic) Acid - Hydroxyapatite 3D-printed scaffolds for bone tissue engineering*. BioTis

Solène Barbeau, T Ducret, R Marthan, JF Quignard. *Piezo1 and TMEM63 Stretch-Activated Channels in Pulmonary arteries*. CRCTB

11h30 - 12h

PhD/Post-Doc oral presentations

Mathilde Palmier, M Maître, C Boiziau, D Maurel. *Optimization of a laser microdissection protocol for osteocyte isolation from mouse femur cortical bone and subsequent RNA extraction*. BioTis

Emilie Prouvé, B Drouin, M Remy, P Chevallier, G Laroche, MC Durrieu. *Modulating poly(acrylamide-co-acrylic acid) hydrogels stress relaxation and bio-functionalization to control MSCs differentiation*. CBMN

12h - 12h15

Flash Poster presentations

Cécile Droz-Perroteau, R Lassalle, N Thurin, P Bosco-Levy, C Dureau-Pournin, A Grelaud, S Lignot-Maleyran, M Rouyer, P Blin, N Moore. *Bordeaux PharmacoEpi platform experience using the national healthcare system claims databases in France (SNDS): a powerful tool for pharmacoepidemiology*. Plateform CIC

Edmée Eyraud, I Dupin, M Dubreuil, V Freund-Michel, E Maurat, M Campagnac, O Ousova, T Trian, PO Girodet, P Berger. *Targeting CXCR4 as a therapeutic strategy to improve outcomes in a mouse model of early chronic obstructive pulmonary disease (COPD)*. CRCTB

Murielle Rémy, F Ferraro, P Le Salver, S Rey, E Genot, M Djavaheri-Mergny, N Thebaud, C Boizau, H Boeuf. *New unique banks of SCAP (Stem Cells from Apical Papilla), derived and amplified under low O2 concentration*. BioTis

Jeanne Leblond Chain. *Stimulus-responsive drug delivery systems based on a molecular tweezers or aptamer's technology*. ARNA

Arpita Tawani, A Saad, M Berbon, D Martinez, G Rivas, A Loquet, M Velez, B Habenstein. *Nanodomain targeting during bacterial division investigated by solid-state NMR*. CBMN

Lunch

13h15 - 14h30

Poster session

14h30 - 15h15

Start-up Session

NovapTech

FineHeart

LNC Therapeutics

15h15 - 15h30

PhD/Post-Doc oral presentation

Colleen Cardiet, A Trotier, V Ozenne, E Ribot, B Denis De Senneville, S Miraux. *Self-gated 5D Cardiac Magnetic Resonance in mice model : A detailed study*. CRMSB

15h30 - 16h15

Senior Members Presentations

Petra Krasteva. *Structure and regulation of an enterobacterial cellulose secretion system*. IECB/CBMN

Nicolas L'Heureux. *Human textiles: a new approach to vascular graft tissue engineering*. BioTis

Coffee Break

16h45 - 17h45

New Members Presentations

Gaëlle Vacher. *Différence de biodistribution des LASO/ASO selon la voie d'administration*. ARNA

Guillaume Compain. *Antibacterial peptides targeting gram-negative species with the potential to limit the emergence of resistance mechanisms*. CBMN

Eric Largy. *Native Hydrogen Deuterium Exchange Mass Spectrometry of Oligonucleotides*. IECB

18h

Wine and Cheese party and Award Ceremony