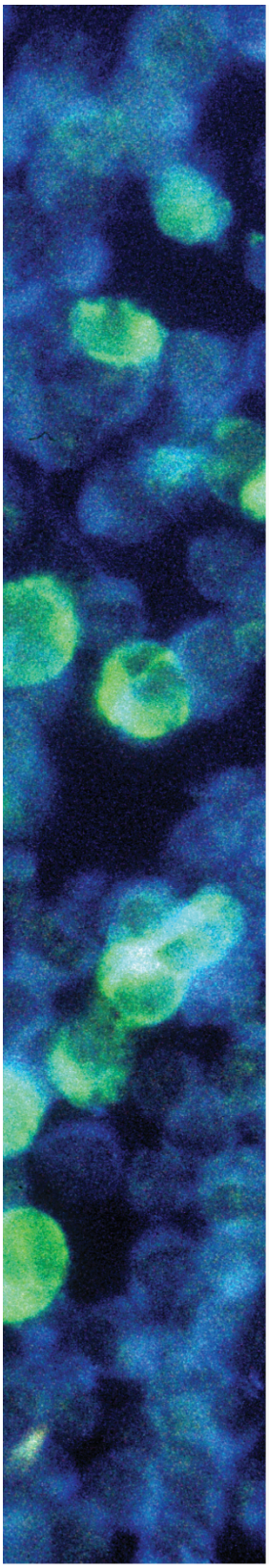


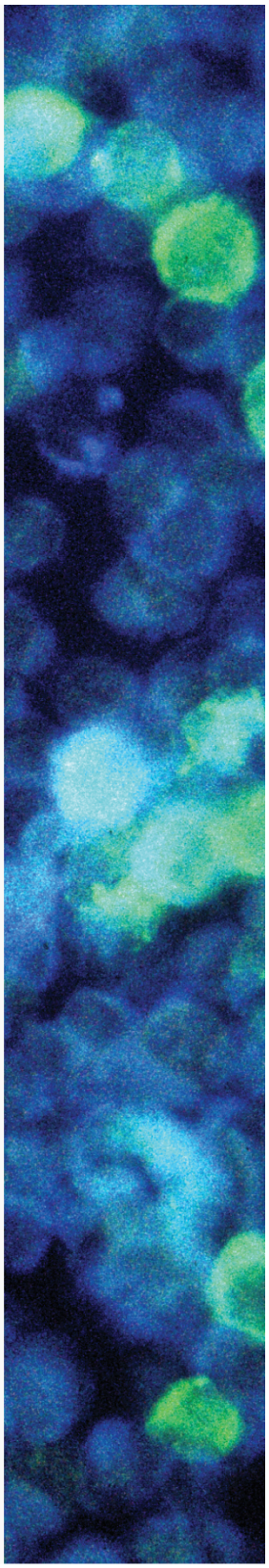
18TH MEETING OF PHD STUDENTS IN HEALTH SCIENCE OF MONTPELLIER

" NEW TECHNOLOGIES FOR HEALTH SCIENCE "

POSTERS - TALKS

CBS² DAYS 2021

ASSO CBS2



Keynote speakers :
Dr Franck MOLINA - Sys2diag (CNRS)
Dr Marie PEQUIGNOT - Science mediation (INSERM)
Mathilde GUERIN - MT180s

26 and 27 May 2021

Registration required :
cbs2days2021.sciencesconf.org

Online meeting

https://www.facebook.com/AssoCBS2
https://assocbs2.org/
assocbs2@gmail.com

Program CBS2 Days 2021

Wednesday, 26 May 2021

Meeting opening **8h45 – 9h15**

Short-talks - session I : Neurosciences **9h15 – 11h00**

Speaker	Title
Caroline ISMEURT	Sex, antibiotics and amyloid connection in Alzheimer's disease: diet also matters.
Clémence CAVAILLÈS	Complaints of daytime sleepiness, insomnia, hypnotic use and risk of dementia: a longitudinal study in the elderly.
Damien GILABERT	Microglial P2X4 in neuropathic pain and associated comorbidities: A gender independent story?
Vincent SEUBE	Role of interleukin-1 beta in neurons in non-inflammatory condition.
Marin BOUTONNET	mGlu5 receptor function depends on membrane voltage.
Richard YOUNES	In vitro effect of dental pulp cells - conditioned medium on the motoneurons in Amyotrophic Lateral Sclerosis.

coffee break **11h00 – 11h15**

Short-talks - session II : Infectiology / Immunology **11h15 – 12h45**

Speaker	Title
Damien LAOUTEOUET	Origin and role of macrophage subsets in the pathophysiology of osteoarthritis.
Joelle EID	Viro-fluidics: Single cell analysis of virus production in real time.
Joe MCKELLAR	The N-terminal domain of MX1 proteins is essential for their antiviral activity.
Justine GIRARD	In situ cryo-electron tomography of the Chikungunya virus replication organelles.
Sonia VECTION	Drug repositioning strategy to fight Brucellosis.

Posters* - session I / ***lunch break*** **12h45 – 14h00**

Short-talks - session III : Quantitative biology & Health technologies **14h00 – 15h45**

Speaker	Title
Guillaume TOSATO	Discovery of Soluble Pancreatic Cancer Biomarkers Using Innovative Clinical Proteomics and Statistical Learning.
Elazami MEROUANE	Predicting L-PART1 exon using deep learning.
Maelle BELLEC	Imaging translation dynamics in live embryos reveals spatial heterogeneities.
Jean LESNE	Conformational maps of human 20S proteasomes reveal PA28 and immuno-dependent inter-ring crosstalks.
Malick IDRISSOU	Targeting cancer cell (nucleus) with 111In-labeled vectors in the context of Targeted Radionuclide Therapy (TRT).
Fidan HUSEYNOVA	M6P derivative for osteodifferentiation of Dental Pulp Stem Cells.

coffee break **15h45 – 16h00**

Short-talks - session IV : Genetics / Epigenetics **16h00 – 17h45**

Speaker	Title
Solenne BLEUSE	Regulation of tristetraprolin, a key anti-inflammatory protein, in Cystic Fibrosis.
Victoria PARRENO	From cancer epigenetics to epigenetic cancers: can tumors arise in the absence of mutations?
Emile ALGHOUL	SLX4 forms SUMOylation factories via liquid phase separation.
Alenca HARRINGTON	Specific features of cardiac fibroblasts enable adult zebrafish heart regeneration.
Dylan DA CUNHA	Unravelling molecular mechanisms of Exon Junction Complex (EJC) in splicing regulation of the DMD gene.
Sophie MOCKLY	A rationalized definition of tumor suppressor microRNAs excludes miR-34a.

Day closure **17h45**

Thursday, 27 May 2021

Day opening **9h30 – 9h45**

Short-talks - session V : Cancerology I **9h45 – 11h00**

Speaker	Title
Luis Enrique CORTES HERNANDEZ	Proteome of extracellular vesicles from in vitro expanded circulating tumor cells of metastatic colorectal cancer under chemotherapy.
Zeinab HOMAYED	Unravelling the role of early dissemination in colorectal cancer.
Antoine GLEIZES	Role of the transcriptional coregulatory RIP140 in normal and cancer intestinal stem cell biology.
Marine BRUCIAMACCHIE	Association of oxaliplatin-based chemotherapy and ATR inhibitor in pancreatic cancer

coffee break **11h00 – 11h15**

Short-talks - session V : Cancerology II **11h15 – 12h30**

Speaker	Title
Matthieu GRACIA	Antibody diffusion in solid tumors: key role of affinity/avidity in «on target / off tumor» binding.
Amelia CHORFA	Mambaquaretin, a novel toxin from snake venom for the potential diagnosis and treatment of renal cancer by targeting the vasopressin V2 receptor.
Alexandra FAUVRE	Platinum-based chemotherapy and anti-PD-L1 combinations in Upper Tract Urothelial Carcinomas (UTUC).
Ghita CHABAB	Characterization of regulatory T cell functions and ecosystem in human breast and ovarian cancers.

Posters* - session II / ***lunch break*** **12h30 – 14h00**

Keynote speaker I **14h00 – 15h00**

Speaker	Title
Dr. Franck MOLINA	Biomachines engineering for next generation medical diagnosis.

coffee break **15h00 – 15h15**

Flash-talks **15h15 – 15h45**

Speaker	Title
Alina KOZORIZ	Regulation of α-synuclein expression by TTZ pathway in Parkinson's Disease.
Manon GOURDELIER	Conception and characterization of Sars-Cov2 Virus Like Particles.
Arthur BIENVENU	Identification of a new Coxiella lipid-binding effector protein by vacuolar lipid profiling
Callum BURNARD	Artificial Neural Networks applied to large scale genomic data.
Rima NAIT-SAIDI	The small drug IFB-088 targets the Unfolded Protein Response to ameliorate Oculopharyngeal Muscular Dystrophy.
Nour EL OSMANI	Newly-characterized TET1 nuclear condensates interact with Cajal bodies implicating a potential regulation of cellular processes in colorectal cancer.
Victor REYS	SLiMAN - a webserver to analyze protein-protein interaction mediated by short linear motifs

Keynote speakers II **15h45 – 16h15**

Speaker	Title
Dr. Marie PEQUIGNOT	Scientific mediation
Mathilde GUERIN	“Ma thèse en 180 secondes”

Award ceremony and acknowledgments **16h15 – 16h30**

ASSO CBS2

Registration: https://cbs2days2021.sciencesconf.org/

Contact: assocbs2@gmail.com

*** Posters**

Day	Topic	Title	Speaker
Wednesday 26/05/2021 (12h45-14h)	Infectiology - immunology	Comparative genomics analysis of two Helcococcus kunzii strains co-isolated with Staphylococcus aureus from diabetic foot ulcers	Durand Benjamin
	Cancerology	Comparing CAFs response to external beam radiotherapy to FAP-targeted radionuclide therapy	Ordas Laura
	Infectiology - immunology	Construction of a library of Burkholderia cenocepacia transposon insertion mutants to identify virulence genes using the zebrafish embryo infection model.	Gigan Johan
	Infectiology - immunology	Development of a cellular model to study autophagy dynamics in the early-steps of HIV-1 infection	Pradel Baptiste
	Genetics - epigenetics	Development of novel strategies to target DNA methylation and histone acetylation in cancers	Serhouni Alexandra
	Neurosciences	Dopamine D2 receptor maintains hippocampal theta rhythm through modulation of intrinsic excitability of interneurons	Tuduri Pola
	Cancerology	EPIDROP assay, an Innovative Technology for Functional Study of Viable Circulating Tumor Cells at the Single Cell Level	Eslami Samarin Zahra
	Infectiology - immunology	hnRNP proteins A1 and H1 regulate the alternative splicing of HTLV-1 antisense gene hbz	Tram Julie
	Infectiology - immunology	IMGT Approach for the Prediction of Epitope and Paratope Interaction	Kushwaha Anjana
	Infectiology - immunology	In silico characterization of the gene repertoire of immunoglobulins of Gorilla gorilla	Chahrazed Debbagh
	Quantitative biology	In silico characterization of the gene repertoires of immunoglobulins and T cell receptors of various inbred	Tran Anna

		laboratory strains of Mus musculus	
	Genetics - epigenetics	Mapping potential origins of replication of Plasmodium falciparum through ChIP-seq of ORC2.	M. Castellano Casilda
	Infectiology - immunology	Mitochondrial genotoxicity of HCV treatments among people who inject drugs	Durand Mélusine
	Cancerology	Model of spheroids to study impact of dichloroacetic acid on metastatic process and cytotoxicity of natural killer cells against tumors	Dudzinska Noemie
	Infectiology - immunology	Molecular mechanism of secretion of virulence factor by the parasite Toxoplasma gondii	Delabre Jason
	Cancerology	Newly-characterized TET1 nuclear condensates interact with Cajal bodies implicating a potential regulation of cellular processes in colorectal cancer.	El Osmani Nour
Thursday 27/05/2021 (12h30-14h)	Neurosciences	Potential mechanism of glial mediated spreading of sod1 in amyotrophic lateral sclerosis	Gosset Philippe
	Neurosciences	Prenatal exposure to low doses of fungicides corrupts neurogenesis in neonates	Salvador Lucie
	Infectiology - immunology	REAL-TIME VISUALIZATION OF SINGLE VIRAL RNA TRANSLATION OF THE MURINE LEUKEMIA VIRUS BY THE SUNTAG ADVANCED STRATEGY	Leon Diaz Felipe
	Experimental & regenerative medicine	ROLE OF ENDOTHELIAL TAL1 DURING ZEBRAFISH HEART REGENERATION: FROM SINGLE CELL TRANSCRIPTOMIC ANALYSIS TO A FUNCTIONAL STUDY	Rolland Laura
	Infectiology - immunology	Role of F-actin in HIV-1 assembly and release in CD4 T lymphocytes.	Dibsy Rayane
	Cancerology	Role of p53 GoF mutations in the carcinogenesis of hepatocellular carcinoma	Bernardet Marine

	Genetics - epigenetics	Role of polycomb response element (PRE) interaction for the function of epigenetic domains during Drosophila melanogaster development.	Denaud Sandrine
	Quantitative biology	SLiMAN - a webserver to analyze protein-protein interaction mediated by short linear motifs	Rays Victor
	Infectiology - immunology	Staphylococcus aureus perturbs the host cell SUMOylation response to promote intracellular survival	Nadhuma Youssouf Abdou Bedja
	Infectiology - immunology	Structural and molecular basis for resistance to aminoglycoside antibiotics by APH(3')-IIb of Pseudomonas aeruginosa	Kowalewski Julien
	Neurosciences	Structure and Dynamics of Huntingtin. A Segmental Labelling Approach	Lund Xamuel
	Infectiology - immunology	Studying the contribution of the apicoplast to Toxoplasma survival and persistence	Sanchez Syrian
	Neurosciences	Substance use among refugees in three Lebanese camps: A cross-sectional study	Abbas Zeinab
	Infectiology - immunology	Symptom-Based Screening Versus Chest Radiography for TB Child Contacts: A Systematic Review and Meta-analysis	Vasiliu Anca
	Cancerology	Targeting RNA methyltransferases for cancer therapy	Amalric Amandine
	Neurosciences	The Impact of Retrospective Childhood Maltreatment on Eating Disorders as Mediated by Food Addiction: A Cross-Sectional Study	Bou Khalil Rami
	Genetics - epigenetics	The small drug IFB-088 targets the Unfolded Protein Response to ameliorate Oculopharyngeal Muscular Dystrophy	Nait-Saidi Rima