

9h15 – 9h30	Accueil et introduction	
Session 1 : Analyse du vivant		
9h30-9h45	Arnaud Chovin	LEM
	Electrochimie d'entités biologiques individuelles au LEM – Equipe Bionano	
9h45-10h00	Isabelle Broutin	Citcom
	On the way to the development of bacterial efflux pumps inhibitors to restore existing antibiotic pharmacopeia	
10h00-10h15	Gildas Bertho	LCBPT
	NMR metabolomics in vitro model of the chronic low-dose exposition to a cocktail of Persistent Organic Pollutants	
10h15-10h30	Mathieu Branca	LEM
	Redox cross-catalysis: a simple design based on ROS and quinone redox chemistry for exponential signal amplification	
10h30-11h00	Pause-café	
Session 2 : Outils moléculaires – Modérateur : Ludovic Jean		
11h00-11h15	Mélanie Etheve-Quelquejeu	LCBPT
	RNA conjugates synthesis for Structural and Functional Studies of enzymatic targets	
11h15-11h30	Jean Contreras	Chem4Life
	Chemistry teams-up with Biology to target proteins of the epigenetic regulation	
11h30-11h45	Nawal Serradji	ITODYS
	Interaction between Carbon Dots from folic acid and their cellular receptor: a qualitative physicochemical approach.	
11h45-12h00	Nathalie Gagey-Eilstein	UTCBS
	Array-based sensors for Optical Fingerprinting: From Identification of Protein to prediction of pathological statuses	
12h00-14h00	Pause déjeuner	

Session 3 : Modélisation du vivant – Modérateur : François Mavré

14h00-14h15	Élise Duboué-Dijon	LBT
	Divalent cations and ribozyme reactivity: lifting key methodological challenges	
14h15-14h30	Elisa Frezza	Citcom
	Modelling bound and unbound RNA structures using molecular dynamics simulations to unravel the relationship between structure, flexibility and chemical reactivity	
14h30-14h45	Barbault Florent	ITODYS
	Prédiction de l'interaction protéine-surface pour la conception de biomatériaux innovants	
14h45-15h00	Phuong H. Nguyen	LBT
	Molecular dynamics simulation study of the protein aggregation and drug delivery	

Session 4 : Applications médicales

15h00-15h15	Laura IANNAZZO	LCBPT
	Développement de nouvelles méthodologies pour accéder à des inhibiteurs de b-lactamase de seconde génération de type diazabicyclooctanes.	
15h15-15h30	COLL Patrice	LISA
	Effets de la chimie atmosphérique sur les populations (urbaines) : la plateforme PolluRisk dédiée aux impacts sanitaires de l'exposome.	
15h30-15h45	Yohann Corvis	UTCBS
	Nanocrystals of antitumor agents as new generation of nanomedicines: from engineering to theranostic applications	