

# LIA Coss&Vita + IMOA Workshop

## Scientific program

		Tuesday, September 26	Wednesday, September 27	Thursday, September 28		
Morning			<b>S3: Bioeng</b>		<b>S7: Bioeng</b>	
	9:00-9:30		Petite	Bioeng / *	Misra	Bioeng / Biomat
	9:30-10:00		Bensidoum	Bioeng / Bioreac	Royaud	Bioeng / Biomat
	10:00-10:30		Budyn	Bioeng / Bioreac	Siad	Bioeng / Biomat
			<b>S4: Biomech</b>		<b>S8: Bioeng &amp; Biomech</b>	
	11:00-11:30		Haïat	Biomech / Implants	Kerdjoudj	Bioeng / Biomat
	11:30-12:00		Barchiesi	Biomech / Implants	Scerrato	Biomech / Remodel
	12:00-12:30		Round Table		Giorgio	Biomech / Remodel
Afternoon		<b>S1: Biomech</b>		<b>S5: Biomech</b>		
	15:00-15:30	Di Carlo	Biomech / *	Ganghoffer	Biomech / Remodel	
	15:30-16:00	George	Biomech / Remodel	Dell'Isola	Biomech / Remodel	
	16:00-16:30	Lekszycki	Biomech / Remodel	Della Corte	Biomech / Remodel	
		<b>S2: Biomech</b>		<b>S6: Biomech</b>		
	17:00-17:30	Lemaire	Biomech / Couplings	Laporte	Biomech / Waves	
	17:30-18:00	Grimal	Biomech / Properties	Placidi	Biomech / Waves	
18:00-18:30	Sansalone	Biomech / Properties	Rosi	Biomech / Waves		

Name	Surname	Session	Topic	Subtopic	Title
Emilio	Barchiesi	S4	Biomech	Implants	Remodeling in bone reconstructed tissues and description of finite heterogeneous interphases
Morad	Bensidoum	S3	Bioeng	Bioreac	Perfusion bioreactor for bone tissue engineering
Elisa	Budyn	S3	Bioeng	Bioreac	Long term study of stem cell derived osteocytes in bone-on-chip
Alessandro	Della Corte	S5	Biomech	Remodel	Modeling synthesis and resorption phenomena in bones by means of mixture models enhanced with computational population dynamics. Part 2: models of bone cells population dynamics
Francesco	Dell'Isola	S5	Biomech	Remodel	Modeling synthesis and resorption phenomena in bones by means of mixture models enhanced with computational population dynamics. Part 1: variational formulation of the mechanical model
Antonio	Di Carlo	S1	Biomech	*	Why bone biomechanicians should better not rest on their laurels
Jean-François	Ganghoffer	S5	Biomech	Remodel	Identification of a constitutive law for trabecular bone samples under remodelling in the framework of irreversible thermodynamics
Daniel	George	S1	Biomech	Remodel	Limits of the bone remodeling stimuli based on strain energy density
Ivan	Giorgio	S8	Biomech	Remodel	Effects of the dissipation in bone growth under cyclic loads
Quentin	Grimal	S2	Biomech	Properties	Cortical bone elastic properties : physiological variability, determinants and modeling
Guillaume	Haïat	S4	Biomech	Implants	Characterization of the biomechanical properties of the bone-implant interface
Halima	Kerdjoudj	S8	Bioeng	Biomat	Bioinspired calcium phosphate for bone tissue engineering
Sébastien	Laporte	S6	Biomech	Waves	Dynamic behavior of cancellous bone
Tomasz	Lekszycki	S1	Biomech	Remodel	Bone healing and adaptation as an optimal control problem
Thibault	Lemaire	S2	Biomech	Couplings	Coupled interactions across bone structures: interest of modelling strategies
Anil	Misra	S7	Bioeng	Biomat	Rate-dependent granular micromechanics model for polymeric biomaterials
Hervé	Petite	S3	Bioeng	*	Challenges in bone Tissue Engineering
Luca	Placidi	S6	Biomech	Waves	Dispersive behaviour of bones with higher order gradient poroelasticity
Giuseppe	Rosi	S6	Biomech	Waves	Waves and generalised continua in bone biomechanics : propagation across finite heterogeneous interphases
Isabelle	Royaud	S7	Bioeng	Biomat	Study of the deformation mechanisms of porous polymer membranes for biomedical applications
Vittorio	Sansalone	S2	Biomech	Properties	Boning up on bone uncertainty
Daria	Scerrato	S8	Biomech	Remodel	Influence of different loads in remodeling of bone tissue and bio-resorbable material mixture
Larbi	Siad	S7	Bioeng	Biomat	Void growth in swelled elastomeric gels under mechanical loading