

Thursday, 29 September 2022

1:00-1:30 pm	Registration and coffee
1:30 pm	Welcome
Session I: Pathophysiological mechanisms of calcification	
1:30-2:15 pm	Laurent Beck and Thibaut Quillard (<i>Nantes Université, France</i>) «Introduction to bone and vascular mechanisms of mineralization»
2:15-3:00 pm	Jacob Bentzon (<i>Aarhus University, Denmark</i>) «Osteochondrogenic conversion of SMCs in atherosclerosis»
3:00-3:15 pm	Sponsor presentation (Zeiss) «Latest possibilities for the non-destructive assessment of bones and musculoskeletal specimens»
3:15-3:45 pm	Coffee break, discussions and sponsors
3:45-4:30 pm	Elena Aikawa (<i>Brigham and Women's Hospital, Harvard Medical School, Boston, USA</i>) «Novel disease driver cell population and complex protein network in calcific aortic valve disease»
4:30-5:15 pm	Lucie Hénaut (<i>University of Picardie Jules Verne, Amiens, France</i>) «Macrophages as key regulators in chronic kidney disease-induced cardiovascular calcifications»
5:15-6:00 pm	Annika Keller (<i>University of Zürich, Switzerland</i>) «Brain Vascular Calcifications»
6:00 pm	End of the day

Friday, 30 September 2022

9:00-9:30 am	Registration and coffee
9:30 am	Welcome
Session II: Sex and Age	
9:30-10:15 am	Vanessa Dubois (<i>Ghent University, Belgium</i>) «Sexual dimorphism in skeletal acquisition and maintenance: the role of sex hormone receptors»
10:15-11:00 am	Marie-Annick Clavel (<i>Université de Laval, Canada</i>) «Sex and age differences in valvular calcification»
11:00-11:30 am	Coffee break, discussions and sponsors
Session III: Imaging	
11:30-12:15 am	Matthias Gunzer (<i>University of Duisburg-Essen, Germany</i>) «Artificial transparency reveals a system of trans-cortical capillaries as main avenue for blood circulation in long bones»
12:15-12:30 am	Sponsor presentation (Visual Sonic)
12:30 pm	Lunch
Session IV: Risks factors and therapeutics	
2:00-2:45 pm	Marie-Hélène Lafage-Proust (<i>Université Jean Monnet, St Etienne, France</i>) «Therapeutic approaches in bone disorders: lessons and limits for vascular and valvular calcification»
2:45-3:30 pm	Magnus Back (<i>Karolinska University Hospital, Stockholm, Sweden</i>) «Resolution of Inflammation in Vascular and Valvular Calcification»
3:30-4:15 pm	Bertrand Cariou (<i>Nantes Université, France</i>) «Dyslipidemias and atherosclerotic cardiovascular disease risk in patients with endocrine disorders»
4:30 pm	Final words, and coffee