

Thursday, 3 October 2024	
2:00-2:30 pm	Registration and coffee
2:30 pm	Welcome
Opening Session	
2:30-3:30 pm	José Luis Millán (<i>Sanford Children's Health Research Center, La Jolla, USA</i>). « <i>From soft bones to hardened arteries – the pathophysiological roles of alkaline phosphatase and its uses as a biologic and as a drug target</i> »
3:30-3:45 pm	Sponsor presentation
3:45-4:15 pm	Coffee break, discussions and sponsors
Session I - Bone and Cardiovascular cell fate	
4:15-5:00 pm	Vivian de Waard (<i>Amsterdam UMC, Amsterdam, The Netherlands</i>) « <i>The vascular calcification phenotype of smooth muscle cells in the Marfan syndrome aorta</i> »
5:00-5:45 pm	Isabel R Orriss (<i>The Royal Veterinary College, London, UK</i>) « <i>Can we treat vascular calcification without negatively impacting the skeleton?</i> »
5:45 pm	End of the day
Friday, 4 October 2024	
9:00-9:30 am	Registration and coffee
9:30 am	Welcome
Session II - Vascular calcification in response to local and systemic drivers	
9:30-10:15 am	Gaël Nicolas (<i>Université de Rouen Normandie, Rouen, France</i>) « <i>Primary Familial Brain Calcifications: genes and phenotypes</i> »
10:15-11:00 am	Marc Vervloet (<i>Radboud University Medical Center, Radboud, The Netherlands</i>) « <i>The paradox of vascular calcification and mineral bone disorder during CKD</i> »
11:00-11:30 am	Coffee break, discussions and sponsors
11:30-12:15 am	Catherine Shanahan (<i>King's College, London, UK</i>) « <i>Mechanisms of vascular smooth muscle cell dysfunction in ageing and disease</i> »
12:15-12:30 am	Sponsor presentation
12:30 am	Lunch, discussions and sponsors
Session III - Channel-driven mechano-sensing in bone and vessels	
2:00-2:45 pm	Tonia L Vincent (<i>University of Oxford, Oxford, UK</i>) « <i>Mechanosensing mechanisms in articular cartilage, the role in disease and repair</i> »
2:45-3:30 pm	Stéphane Zaffran (<i>Aix Marseille University, Marseille, France</i>) « <i>Piezo1 is required for outflow tract and aortic valve development</i> »
3:30-4:00 pm	Coffee break, discussions and sponsors
Session IV - Treating calcification: means and models	
4:00-4:45 pm	Anabela Bensimon-Brito (<i>Paul Sabatier University, Toulouse, France</i>) « <i>Modelling zebrafish cardiac valve to understand cardiovascular regeneration and disease</i> »
4:45-5:30 pm	Yassine Maazouz (<i>RMS Foundation, Bettlach, Switzerland</i>) « <i>Biomaterials and osteoinduction</i> »
5:30 pm	Final words, end of the meeting