



Calcification Disorders - from Hardened Arteries to Soft Bones

8:00-9:00	REGISTRATION		
9:00-12:00	Session 1:	Diagnosis and Treatment of Vascular Calcification	José Luis Millán, Ph.D.
9:00-9:05		Introduction and Welcome José Luis Millán, Ph.D., Sanford-Burnham Medical Research Institute	
9:05-9:15		Opening Remarks Kristiina Vuori, Ph.D., President, Sanford-Burnham Medical Research Institute	
9:15-10:15		KEYNOTE ADDRESS William A. Gahl, M.D., Ph.D., Clinical Director, NHGRI; Director, NIH Undiagnosed Diseases Program <i>Topic: Whole exome sequencing to identify rare disorders, including the role of NT5E in vascular calcification and PXE.</i>	
10:15-10:30	BREAK		
10:30-11:00		Hervé Kempf, Ph.D., Researcher, Université de Lorraine, France <i>Topic: Development of aortic calcification and MGP deficiency.</i>	
11:00-11:30		Frank Rutsch, M.D., Professor, Muenster University Children's Hospital, Germany <i>Topic: Clinical experience with patients with GACI.</i>	
11:30-12:00		José Luis Millán, Ph.D., Professor, Sanford-Burnham Medical Research Institute <i>Topic: TNAP inhibitors for the treatment of vascular calcification in GACI and Chronic Kidney disease.</i>	
12:00-1:00	LUNCH		
1:00-3:00	Session 2:	Pathophysiology and Management of Soft Bones	Hudson Freeze, Ph.D.
1:00-1:30		Michael Whyte, M.D., Medical-Scientific Director, Center for Metabolic Bone Disease and Molecular Research, Shriners Hospital for Children <i>Topic: Update on bone-targeted enzyme replacement therapy for hypophosphatasia.</i>	
1:30-2:00		Peter Byers, M.D., Professor, Departments of Pathology and Medicine (Medical Genetics), University of Washington <i>Topic: Rare forms of Osteogenesis imperfecta.</i>	
2:00-2:30		Kenneth White, Ph.D., Associate Professor of Medical and Molecular Genetics, Indiana University <i>Topic: Autosomal Dominant Hypophosphatemic Rickets.</i>	
2:30-3:00		Thomas Carpenter, M.D., Professor of Pediatrics (Endocrinology) and of Orthopaedics and Rehabilitation and Clinical Professor of Nursing; Director, Yale Center for X-Linked Hypophosphatemia; Medical Director, Hospital Research Unit <i>Topic: X-Linked Hypophosphatemia.</i>	
3:00-3:15	BREAK		
3:15-5:30	Session 3:	Pathophysiology and Management of Soft-Tissue Ossification	Yu Yamaguchi, M.D., Ph.D.
3:15-3:45		Eileen Shore, Ph.D., Cali and Weldon Research Professor, University of Philadelphia <i>Topic: Fibrodysplasia ossificans progressiva (FOP) and progressive osseous heteroplasia (POH).</i>	
3:45-4:15		Maurizio Pacifici, Ph.D., Director of Research, Division of Orthopaedic Surgery, The Children's Hospital of Philadelphia <i>Topic: Multiple Hereditary Exotoses (MHE).</i>	
4:15-5:15		Panel Discussion: Patient Advocacy Groups	
5:15-5:30		Closing Remarks José Luis Millán, Ph.D., Sanford-Burnham Medical Research Institute	
5:30-8:00	DINNER FOR SPEAKERS, SPONSORS, AND INVITED GUESTS		