FR0370 ASBMR 2015 Annual Meeting Young Investigator Award
A Complex Set of Distal Enhancers Linked to the Mouse Tnfsf11 Gene Direct Tissue-specific and Hormone-regulated Expression of RANKL
Melda Onal*, Hillary StJohn, Allison Danielson, Jon Markert, Wesley Pike. university of wisconsin, USA
Disclosures: Melda Onal, None

FR0371 Deletion of a Distal Enhancer of the RANKL Gene Delays the Progression of Atherosclerotic Plaque Calcification in Hypercholesterolemic Mice
Sohel Shamsuzzaman*, Melda Onal, Hillary St. John , J. Wesley Pike. University of Wisconsin-Madison, USA
Disclosures: Sohel Shamsuzzaman, None

FR0373 Decreasing Bone Mass in Mice Containing the High-Bone-Mass Mutation LRP5-G171V through the inhibition of Porcupine by LGK974
Cassandra R. Zylstra-Diegel, Mitchell McDonald*, Bart Williams. Van Andel Research Institute, USA
Disclosures: Mitchell McDonald, None

FR0375 ASBMR 2015 Annual Meeting Young Investigator Award
Role of FKBP12 in Signal Transduction by Mutant ALK2 Responsible for Fibrodysplasia Ossificans Progressiva
AIKO MACHIYA*, Mai Fujimoto1, Sho Tsukamoto2, Mai Kuratani2, Satoshi Ohte2, Naoto Suda3, Takenobu Katagiri3. 1Division of Pathophysiology, Research Center for Genomic Medicine, Saitama Medical University, Division of Orthodontics, Department of Human Development & Fostering, Meikai University School of Dentistry, Japan, 2Division of Pathophysiology, Research Center for Genomic Medicine, Saitama Medical University, Japan, 3Division of Orthodontics, Department of Human Development & Fostering, Meikai University School of Dentistry, Japan
Disclosures: AIKO MACHIYA, None

FR0380 The Clinical and Genetic Spectrum of Low Alkaline Phosphatase in Adults
Leyre Riancho-Zarrabeitia*, Maria T. Garcia-Unzueta2, Jair A. Tenorio3, Juan A. Gomez-Gerique2, Pablo Lapunzina3, Jose Riancho4. 1Service of Rheumatology. Hospital UM Valdecilla, Spain, 2Service of Clinical Analysis. Hospital UM Valdecilla, Spain, 3Inst. Medical Molecular Genetics, Hospital La Paz., Spain, 4University of Cantabria, Spain
Disclosures: Leyre Riancho-Zarrabeitia, None

FR0382 Comparative effectiveness of FGF23 blocking antibodies versus daily or intermittent 1,25 dihydroxyvitamin D as therapies for X-linked hypophosphatemia in mice
Eva Liu*, Adalbert Raimann2, Daniel Brooks3, Mary Bouxsein3, Marie Demay4. 1Brigham & Women’s Hospital & Massachusetts General Hospital, USA, 2Medical University Vienna, Massachusetts General Hospital, Austria, 3Massachusetts General Hospital, USA, 4Massachusetts General Hospital, Harvard Medical School, USA
Disclosures: Eva Liu, None

FR0387 Bone impairment in primary hyperoxaluria (PH): an ultrastructural analysis
Delphine Farlay*, Justine Bacchetta2, Pierre Cochat3, Georges Bolvin4. 1INSERM, UMR1033; Université De Lyon, France, 2Service de Néphrologie, Rhumatologie et Dermatologie Pédiatrique, centre de Référence des Maladies Rénales Rares, Hôpital Femme Mère enfant, Bron; INSERM UMR1033, Université de Lyon, France, 3Service de Néphrologie, Rhumatologie et Dermatologie Pédiatriques, Centre de Référence des Maladies Rénales Rares, Hôpital Femme Mère Enfant, Bron; Université de Lyon, France, 4INSERM UMR 1033, Université de Lyon, France
Disclosures: Delphine Farlay, None

FR0388 GORAB missense mutations disrupt RAB6 and ARF5 binding and Golgi targeting
Uwe Kornak*, Johannes Egerer2, Denise Emmerich2, Wing Lee Chan2, Björn Fischer-Zirnsak2, David Meierhofer1, Francis A. Barr4. 1Charité-Universitätsmedizin Berlin, Germany, 2Institut fuer Medizinische Genetik und Humangenetik, Charité-Universitätsmedizin Berlin, Germany, 3Max Planck Institute for Molecular Genetics, Germany, 4Department of Biochemistry, University of Oxford, United Kingdom
Disclosures: Uwe Kornak, None