

GEMSTONE publications symposia program

Welcome to the GEMSTONE publications symposium

Chair: Evangelia Ntzani, Greece

09:15-09:20 Opening remarks Fernando Rivadeneira, Netherlands

09:20-09:35 GEMSTONE rationale and updates Fjorda Koromani, Netherlands

Translational approaches to musculoskeletal phenotyping across humans and animal models

Chair: Barbara Obermayer-Pietsch, Austria and Fernando Rivadeneira, Netherlands

09:35-09:55 Human musculoskeletal phenotyping Ines Foessel, Austria

09:55-10:15 Musculoskeletal phenotyping in mouse models Vicktoria Leitsch, Australia

10:15-10:35 Musculoskeletal phenotyping in the zebrafish model Erika Kague, UK

10:35-10:50 Discussion

10:50-11:00 Coffee break

A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders

Chair: Wim van Hul, Belgium

11:00-11:05 Working Group 3 updates and future plans Melissa Formosa, Malta

11:05-11:25 High and Low Bone Mass Disorders: How to identify a new phenotype Outi Makitie, Finland

11:25-11:45 Roadmap to High and Low Bone Mass Disorders: From genetics to drug discovery Melissa Formosa, Malta

11:45-12:00 Discussion

12:00-13:00 Lunch break

Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques

Chair: Patricia Khashayar, Belgium and Vid Prijatelj, Netherlands

13:00-13:15 Post GWAS challenges & solutions David Karasik, Israel

13:15-13:30 In vitro systems for functional validation of genes associated with a bone phenotype Kent Soe, Denmark

13:30-13:45 Animal models for functional validation of associated genes Erika Kague, UK

13:45-13:50 Conclusions overview

13:50-14:05 Discussion

14:05-14:35 Virtual interface launch Patricia Khashayar, Belgium



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GEMSTONE

Genomics of Musculoskeletal
Traits Translational Network

14:35-14:40 Closing of publication symposia Fernando Rivadeneira, Netherlands

14:40-15:00 Coffee Break

15:00-16:30 Management Committee meeting