ASBMR® 2017 Annual Meeting

September 8–11, 2017
Colorado Convention Center
Denver, Colorado, USA

Onsite Program

SA0116 **Fast Fourier Transform Analysis Showed Morphological Change of Bone Structure and Change of Periodicity of Sclerostin Expression during Orthodontic Tooth Movement**
Ziyi Wang*[1], Yoshihito Ishihara[1], Naoya Odagaki[1], Masahiro Nakamura[1], Ei Ei Hsu Hlaing[1], Hiroshi Kamioka[1]. [1]Okayama University, Japan
Disclosures: Ziyi Wang, None

SA0117 **Loss of GORAB Leads to an Impaired Anabolic Cortical and Cancellous Bone Response to Mechanical Loading**
Haisheng Yang*[1], Anne Seliger[2], Wing-Lee Chan[2], Michael Thelen[2], Uwe Kornak[2], Bettina Willie[3]. [1]Beijing University of Technology, China, [2]Charité-Universitätsmedizin Berlin, Germany, [3]Shriners Hospital for Children-Canada, McGill University, Canada
Disclosures: Haisheng Yang, None

SA0118 **Effects of Low-intensity Aerobic Exercise and Activated Vitamin D, Alfacarcidol, on Blood Glucose, Bone, and Muscle in Diabetic Model Rats**
Manabu Akagawa*[12], Naohisa Miyakoshi[12], Yuji Kasukawa[12], Hiroyuki Tsuchie[12], Yuichi Ono[12], Masazumi Suzuki[12], Tetsuya Kawano[12], Yusuke Yuasa[12], Itsuki Nagahata[12], Yoichi Shimada[12]. [1]Akita university hospital, Japan, [2]Akita university Hospital, Japan
Disclosures: Manabu Akagawa, None

SA0119 **Unloaded Mice Treated with the Myokine Irisin Are Protected from Bone Loss and Muscle Atrophy**
Graziana Colaianni*[1], Luciana Lippo[1], Paolo Pignataro[1], Lorenzo Sanesi[1], Giovanna Spiro[2], Ilenia Severi[3], Giovanni Passeri[4], Giacomina Brunetti[1], Umberto Tarantino[5], Silvia Colucci[1], Janne Reseland[6], Roberto Vettor[2], Saverio Cinti[3], Maria Grano[7]. [1]Department of Basic Medical Science, Neuroscience and Sense Organs, University of Bari, Italy, [2]Department of Medicine-DIMED, Internal Medicine 3, University of Padova, Italy, [3]Department of Experimental and Clinical Medicine, Center of Obesity, United Hospitals, University of Ancona, Italy, [4]Department of Clinical and Experimental Medicine, University of Parma, Italy, [5]Department of Orthopedics and Traumatology, Tor Vergata University of Rome, Italy, [6]Department of Biomaterials, Institute for Clinical Dentistry, University of Oslo, Blindern, Norway, [7]Department of Emergency and Organ Transplantation, University of Bari, Italy
Disclosures: Graziana Colaianni, None

SA0120 **Postmenopausal Osteoporosis is Characterized by a Distinct Muscle Transcription Profile Which Can Be Markedly Changed Through Heavy-load Strength Training**
Ole K. Olstad*[1], Sjur Reppe[1], Håvard Wiig[2], Nils Helge Kvamme[2], Camilla Kirkegaard[3], Truls Raastad[2], Vigdis T. Gautvik[4], Karl J. Kvernevik[5], Tor P. Utheim[1], Kaare M. Gautvik[5]. [1]Oslo University Hospital, Department of Medical Biochemistry, Norway, [2]Norwegian School of Sport Sciences, Department of Physical Performance, Norway, [3]Norwegian School of Sports Sciences, Department of Physical Performance, Norway, [4]University of Oslo, Institute of Basic Medical Sciences, Norway, [5]Lovisenberg Diakonale Hospital, Norway, [6]Lovisenberg Diakonale Hospital, Unger-Vetlesen Institute, Norway
Disclosures: Ole K. Olstad, None

SA0121 **Assessment of the Effect of two Myostatin Inhibitors on Body Composition using MRI and DXA in Non Human Primates**
Martin Guillot*[1], Sebastien Gariepy[1], Luc Tremblay[2], Aurore Varela[1]. [1]Charles River Laboratories Montreal, Canada, [2]CIMS-CRCHUS, University of Sherbrooke, Canada
Disclosures: Martin Guillot, Charles River Laboratories , Other Financial or Material Support

SA0122 **Long-term physiologic exercise maintains the protective effects of muscle-secreted factors on osteocyte viability**
Yukiko Kitase*[1], Hong Zhao[2], Jennifer Rosser[3], Michael J. Wacker[3], Julian Vallejo[3], Marco Brotto[4], Lynda F. Bonewald[2]. [1]Indiana Unversity, United States, [2]Indiana Unviersity, United States, [3]University of Missouri-Kansas City, United States, [4]University of Texas at Arlington, United States
Disclosures: Yukiko Kitase, None

SA0123 **Bone morphogenetic proteins and myo**
Umberto Tarantino*[1], Maurizio Fe
[1]University of Rome Tor Vergata,
Disclosures: Umberto Tarantino, None

SA0124 **An aging-associated decrease in peri of load-induced bone formation in n**
Pamela Cabahug-Zuckerman*[1], C
Stephanie Norman[3], Whitney Col
Engineering, Tandon School of En
Medicine, New York University;
United States, [2]Dept of Orthopae
United States, [3]Veterans Affairs F
Disclosures: Pamela Cabahug-Zuckerm

SA0125 **Osteoporosis and Muscle Atrophy**
monica celi*[1], Manuel scimeca[1],
Umberto Tarantino[1]. [1]University
Disclosures: monica celi, None

SA0126 **Regulation of Protein Kinase Osteogenesis in Aged Mice**
Bryan S. Hausman*[1], Xin Chen
[1]Department of Orthopaedics, C
Therapy Center, University of N
Orthopaedics, Yokohama City
and Orthopaedics, Case Western
Disclosures: Bryan S. Hausman, No

SA0127 **Intermittent High Dietary Pro Continuous High Protein Diet**
Kehong Ding*[1], Priyanka Thal
Wendy Bollag[1], Meghan McG
Mohammed Elsalanty[3], Mark
States, [2]Jiaotong University, C
Disclosures: Kehong Ding, None

SA0128 **125-150 kDa TSP2 appears d matrix metalloproteinase inhib**
Andrea Alford*[1], Anita Redd
Disclosures: Andrea Alford, None

SA0129 **Hydrogen Sulfide Epigenetical Mice**
Jyotirmaya Behera*[1], Akash
[1]University of Louisville, Uni
Disclosures: Jyotirmaya Behera,

SA0130 **The Novel Role of PINCH in**
Xin Liu*[1], Guozhi Xiao[1]. [1]S
Disclosures: Xin Liu, None

SA0131 **Thyroid hormone locally inte growth.**
Manuela Rodrigues*[1], Bian
Disclosures: Manuela Rodrigues