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OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake, Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: orthopedics2012@omicsgroup.com
rheumatology2012@omicsonline.com
### Keynote Forum

- **08:45-08:50** Introduction
- **08:50-09:15** Gerald F. Harris  
  Marquette University, USA
- **09:15-09:40** Per Freitag  
  Southern Illinois University School of Medicine, USA
- **09:40-10:05** Jinxi Wang  
  University of Kansas Medical Center, USA

### Orthopedics Track 1: Orthopedic Surgery and Therapy

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:05</td>
<td>Treatment of calcaneal fractures: A new approach</td>
<td>John Torregrosa</td>
<td>South Florida International Orthopaedics, USA</td>
</tr>
<tr>
<td>10:25</td>
<td>Changes in lumbar lordosis with AXIALIF interbody fusion</td>
<td>Per Freitag</td>
<td>Southern Illinois University School of Medicine, USA</td>
</tr>
<tr>
<td>11:00</td>
<td>The arachnoiditis: A drama in spinal cord injury</td>
<td>Michele Conti</td>
<td>General Hospital Santa Maria del Carmine, Italy</td>
</tr>
<tr>
<td>11:20</td>
<td>Unilateral surgical treatment has a positive outcome bilaterally for patients with bilateral Achilles Tendinopathy (Tendinosis)</td>
<td>Sture Forsgren</td>
<td>Umeå University, Sweden</td>
</tr>
<tr>
<td>11:40</td>
<td>Microfracture of the knee: Are statistical analyses appropriate to reveal clinically relevant findings concerning outcome and its predictors?</td>
<td>Lukas Negrin</td>
<td>Medical University of Vienna, Austria</td>
</tr>
<tr>
<td>12:00</td>
<td>Deficiency of NFAT1 causes osteoarthritis through dysfunction of cells in multiple joint tissues</td>
<td>Jinxi Wang</td>
<td>University of Kansas Medical Center, USA</td>
</tr>
</tbody>
</table>

### Orthopedics Track 3: Regenerative and Molecular Orthopedics

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<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>13:05</td>
<td>Laser regeneration of cartilage in orthopedics</td>
<td>Emil Sobol</td>
<td>Russian Academy of Sciences, Russia</td>
</tr>
<tr>
<td>13:25</td>
<td>All arthroscopic technique of biological meniscal tear therapy with collagen membrane</td>
<td>Tomasz Piontek</td>
<td>Poznan University of Medical Sciences, Poland</td>
</tr>
<tr>
<td>13:45</td>
<td>Internal derangement of temporomandibular Joint - evolving concepts &amp; management trends</td>
<td>Elavenil Panneerselvam</td>
<td>SRM University, India</td>
</tr>
<tr>
<td>14:05</td>
<td>Cost of treatment of pediatric femoral shaft fractures: Compression plating versus conservative treatment</td>
<td>Sharifeh Kamalimotlagh</td>
<td>QOM University of Medicine, Iran</td>
</tr>
<tr>
<td>14:25</td>
<td>Transpedicular closing wedge osteotomy in the treatment of thoracic and lumbar kyphotic deformity with different etiologies</td>
<td>Qingyi He</td>
<td>Third Military Medical University, China</td>
</tr>
<tr>
<td>14:45</td>
<td>Panel Discussion</td>
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</tbody>
</table>
Orthopedics Track 5: Rheumatology
Orthopedics Track 6: Current Diagnostics and Standard Treatment in Orthopedics
Orthopedics Track 7: Potential Complications of Orthopedic Surgery
Orthopedics Track 8: Potential Drivers of Tomorrow's Orthopedics & Rheumatology

Session Introduction

14:55-15:15
Title: Transcriptional regulation in the pathogenesis of osteoarthritis
Alpana Ray, University of Missouri, USA

15:15-15:35
Title: Diagnosing deep vein thrombosis (DVT) in post-surgical orthopaedic patients
Ibrahim Natalwala, University Hospital North Staffordshire, UK

Coffee Break 15:35-15:50

15:50-16:10
Title: Real time embedded foot pressure monitoring and subject specific biomechanical modelling: An innovative coupling for diagnosis and treatment in orthopaedics
Antoine Perrier, Grenoble Joseph Fourier University, France

16:10-16:30
Title: Efeco “A locking-compression device for kirshner-wire fixation”
Emre Karadeniz, Baskent University School of Medicine, Turkey

16:30-16:50
Title: The use of a mobile health platform to improve care after orthopedic procedures
Vishal Mehta, Fox Valley Orthopedic Institute, USA

16:50-17:10
Title: One stage bilateral anterior cruciate ligament reconstruction - Evaluation of cost and mid-term functional results
Mark A. Reiley, Berkeley Orthopaedic Medical Group Inc., USA

17:10-17:30
Title: The CT diagnosis of sacro-iliac disease
Matjaz Sajovic, General Teaching Hospital Celje, Slovenia

17:30-17:50
Title: Percutaneous pedicle screw implantation: En route to fully robotic intraoperative 2d/3d fluoroscopy
Christian Raftopoulos, Université Catholique de Louvain, Belgium

17:50-18:10
Title: Pain relief after manual treatment of the acromioclavicular joint in a 29-year old female, for remaining symptoms after physiotherapy and mobilization under anaesthesia for adhesive capsulitis - A case study
Lilje Stina, Blekinge Institute of Technology, Sweden

18:10-18:30
Title: Septic arthritis of the knee following arthroscopic anterior cruciate ligament reconstruction
Matjaž Sajovic, Sports Rehabilitation Center Celje, Slovenia

18:30-18:50
Title: Apical derotation in scoliosis, the concept of internal splinting
Wichien Laohacharoensombat, Mahidol University, Thailand

18:50-19:10
Title: Molecular diagnosis and therapeutic studies of spinal muscular atrophy (SMA) and duchenne muscular dystrophy (DMD); Challenges and opportunities in Malaysia
Teguh Haryo Sasonko, Universiti Sains Malaysia, Malaysia

19:10-19:20 Panel Discussion
19:20-20:20 Cocktails Sponsored by: Orthopedics & Muscular System

Day 2 August 14, 2012

07:00-08:30 Registrations
08:00-08:30 Breakfast

08:30-09:00 Opening Ceremony

Keynote Forum

09:00-09:05 Introduction

09:00-09:05 Charles J. Malemud
Case Western Reserve University School of Medicine, USA

09:05-09:30 Bruce P. Burnett
Primus Pharmaceuticals, USA

09:30-09:55 Bogatkevich Galina
Medical University of South Carolina, USA

09:55-10:20 Liubov Gargaun
Selag Inc., Canada

Coffee Break 10:45-11:00
Title: Hospitalizations per lupus year: A measure of cumulative disease impact in systemic lupus erythematosus (SLE)
Tammy O. Utset, University of Chicago, USA

Title: Interferon alpha as a primary pathogenic factor in human lupus
Timothy B. Niewold, University of Chicago, USA

Title: Regulation of cartilage homeostasis genes by matrilin-3: Dependency on interleukin-1 receptor antagonist
Qian Chen, Brown University, USA

Title: Role of microRNA in knee joint OA and pain
Hee-Jeong Sampen, University of Illinois, USA

Lunch Break 12:20-13:05

Title: Vascular complications in patients with systemic sclerosis (Scleroderma)
Julius Bankole, University of Northern British Columbia, Canada

Title: Behçet’s disease: An update on the treatment
Necati Cakir, Fafih Sultan Mehmet Research and Educational Hospital, Turkey

Title: Preclinical evaluation of anti-rheumatic drugs in nonhuman primate models of arthritic disease
Michel Vierboom, Biomedical Primate Research Centre, Netherland

Title: Synthesis and biological evaluation of (Z)-2-amino-4-benzylidene-1,3-oxathiolan-5-one derivatives as novel COX-1/2 and 5-LOX inhibitors
Dongmei Zhao, Shenyang Pharmaceutical University, China

Coffee Break 14:45-15:00

Title: Chondroitin sulfate and baekjeol-tang regulate thymic stromal lymphopoietin production and caspase-1 activation through negative regulation of IL-32 pathways
Hyun-Ja Jeong, Hoseo University, Republic of Korea

Title: A novel role for relaxin (RLX) and its receptor (LGR7) in limited systemic sclerosis (lSSc)
Claudio Corallo, University of Siena, Italy

Title: The association of BMI and knee pain among patients with knee osteoarthritis
Karmela Filipovic, University of Novi Sad, Serbia

Panel Discussion

Locust

Title: Therapeutic roles of TGF-β-induced regulatory T cells in the established autoimmune and inflammatory diseases
Song Guo Zheng, University of Southern California, USA

Title: Flavocoxid, a natural approach to the management of Osteoarthritis
Bruce P. Burnett, Primus Pharmaceuticals, USA

Title: Is rheumatoid arthritis the skeletal manifestation of a mycobacterium avium subspecies paratuberculosis (MAP) infection?
Robert Greenstein, Veteran Affairs Medical Center, USA

Title: Chronic alcohol use and osteoarthritis - A novel risk factor for osteoarthritis and pain
Hee-Jeong Sampen, University of Illinois, USA

Lunch Break 12:20-13:05

Title: Anti-citrulline antibody as novel therapeutic drug in early Rheumatoid Arthritis
Jos Raats, Radboud University, Netherlands

Title: Inhibiting C - reactive protein in humans- Way into clinical studies
Oliver Zimmermann, Cardiovascular Center Oberallgäu-Kempten, Germany
Title: TNF-alpha in an experimental model of myositis: Bilateral involvement in response to unilateral muscle overuse
Sture Forsgren, Umea University, Sweden

Title: Multiple factors determine the increased prevalence of atherosclerosis in rheumatoid arthritis
Ivanio Alves Pereira, University of Southern Santa Catarina, Brazil
Title: Early diagnosis of Rheumatoid arthritis: An introduction to the newly designed Iran criteria for rheumatoid arthritis
Iraj Salehi-Abari, Tehran University of Medical Sciences, Iran

Coffee Break 14:45-15:00

Title: Blood tyrosine level as an index of tissue provision with glucocorticoids and as a promising laboratory test for monitoring glucocorticoid therapy
Irma T. Rass, Russian Academy of Sciences, Russia

Title: Knee arthroplasty in patients suffering from rheumatoid arthritis
Krishna Mehta, Apollo Hospitals International, India

Title: Echocardiography in rheumatoid arthritis
Małgorzata Wisłowska, Central Clinical Hospital, Poland

Title: Osteoarthritis and osteoporosis: Interactions and differences
Umberto Tarantino, Tor Vergata University, Italy

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<tr>
<td>11:45-12:05</td>
<td>Silencing TNF-α in macrophages and dendritic cells for arthritis treatment</td>
<td>Chunting Ye</td>
<td>Texas Tech University Health Sciences Center, USA</td>
</tr>
<tr>
<td>12:05-12:25</td>
<td>The expression of MAP kinase in bone marrow treated with abatacept in patients with rheumatoid arthritis</td>
<td>Katsuaki Kanbe</td>
<td>Tokyo Women's Medical University, Japan</td>
</tr>
<tr>
<td>13:10-13:30</td>
<td>Effects of antiresorptive therapy on bone mass in postmenopausal women</td>
<td>Sandra Zivanovic</td>
<td>University of Belgrade, Serbia</td>
</tr>
<tr>
<td>13:30-13:50</td>
<td>Prevalence, patterns and impact of musculoskeletal disorders among sewing machine operators in Surulere local government area of Lagos state, Nigeria</td>
<td>Ashiyat Akodu</td>
<td>Tokyo Women's Medical University, Japan</td>
</tr>
<tr>
<td>13:50-14:10</td>
<td>Role of dux4 and pax3/7 interferences in facioscapulohumeral muscular dystrophy (fshd) pathogenesis</td>
<td>Darko Bosnakovski</td>
<td>University of Macedonia, Macedonia</td>
</tr>
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<td>Effects of antiresorptive therapy on bone mass in postmenopausal women</td>
<td>Sandra Zivanovic</td>
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<td>14:30-14:50</td>
<td>Adoptive cell therapy of cancer and autoimmune diseases employing genetically T cells with redirected antibody specificity</td>
<td>Zelig Eshhar</td>
<td>The Weizmann Institute, Israel</td>
</tr>
<tr>
<td>14:50-15:00</td>
<td>Coincidence or association: Coexistence of ankylosing spondylitis and hereditary multiple exostoses</td>
<td>Elham Sadeghzadeh</td>
<td>Tehran University of Medical Sciences, Iran</td>
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