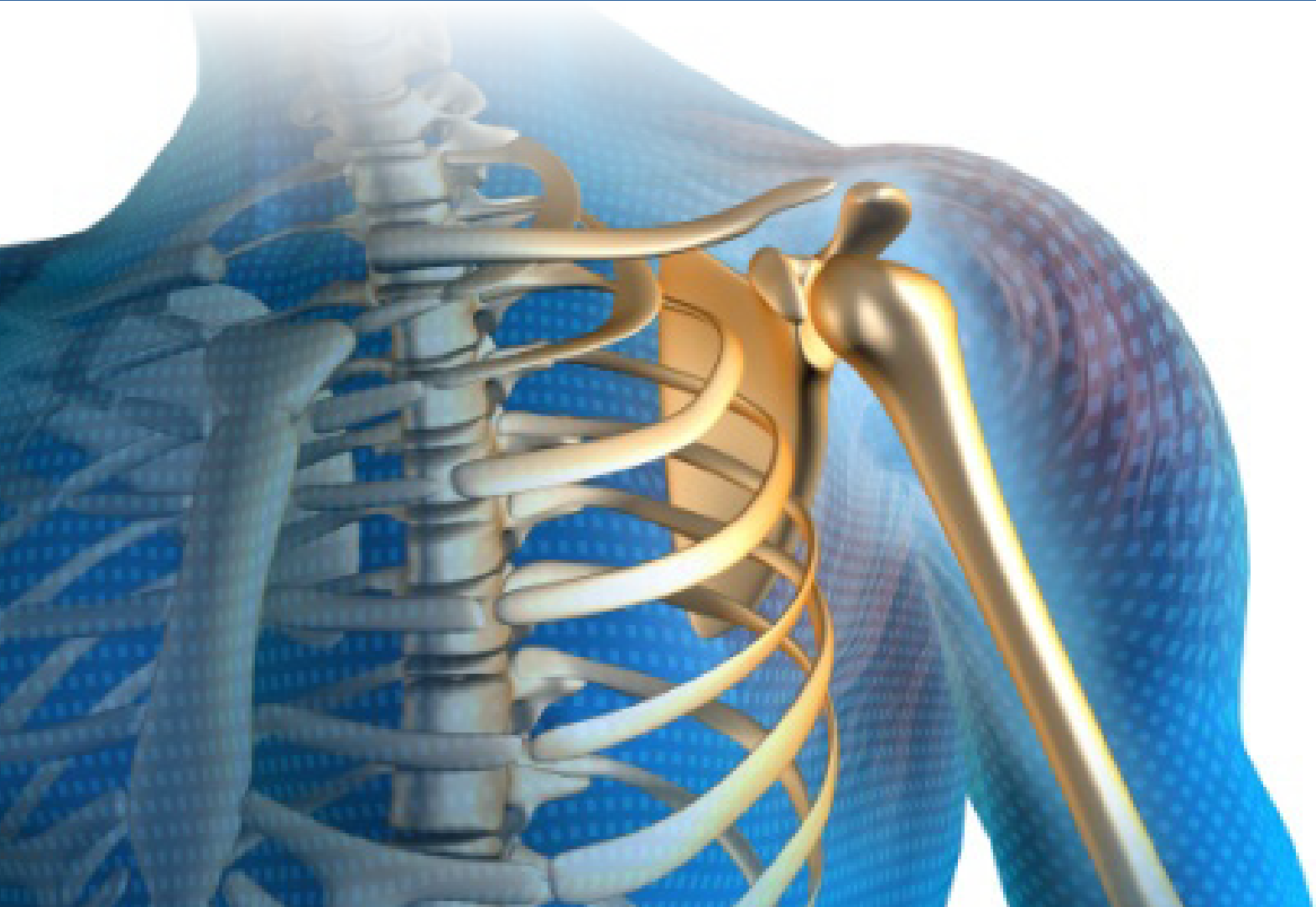


# *Scientific Program*



## International Conference and Exhibition on **Orthopedics & Rheumatology**

August 13-15, 2012 Hilton Chicago/Northbrook, USA



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## 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

### Orthopedics Track 3: Regenerative and Molecular Orthopedics

#### Session Introduction

10:05-10:25 **Title: Treatment of calcaneal fractures: A new approach**  
John Torregrosa, South Florida International Orthopaedics, USA

10:25-10:45 **Title: Changes in lumbar lordosis with AXIALIF interbody fusion**  
Per Freitag, Southern Illinois University School of Medicine, USA

#### Coffee Break 10:45-11:00

11:00-11:20 **Title: The arachnoiditis: A drama in spinal cord injury**  
Michele Conti, General Hospital Santa Maria del Carmine, Italy

11:20-11:40 **Title: Unilateral surgical treatment has a positive outcome bilaterally for patients with bilateral Achilles Tendinopathy (Tendinosis)**  
Sture Forsgren, Umeå University, Sweden

11:40-12:00 **Title: Microfracture of the knee: Are statistical analyses appropriate to reveal clinically relevant findings concerning outcome and its predictors?**  
Lukas Negrin, Medical University of Vienna, Austria

12:00-12:20 **Title: Deficiency of NFAT1 causes osteoarthritis through dysfunction of cells in multiple joint tissues**  
Jinxi Wang, University of Kansas Medical Center, USA

#### Lunch Break 12:20-13:05

13:05-13:25 **Title: Laser regeneration of cartilage in orthopedics**  
Emil Sobol, Russian Academy of Sciences, Russia

13:25-13:45 **Title: All arthroscopic technique of biological meniscal tear therapy with collagen membrane**  
Tomasz Piontek, Poznan University of Medical Sciences, Poland

13:45-14:05 **Title: Internal derangement of temporomandibular Joint - evolving concepts & management trends**  
Elavenil Panneerselvam, SRM University, India

14:05-14:25 **Title: Cost of treatment of pediatric femoral shaft fractures: Compression plating versus conservative treatment**

Sharifeh Kamalimotlagh, QOM University of Medicine, Iran

14:25-14:45 **Title: Transpedicular closing wedge osteotomy in the treatment of thoracic and lumbar kyphotic deformity with different etiologies**

Qingyi He, Third Military Medical University, China

14:45-14:55 **Panel Discussion**

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 Tomorrows 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: Efece "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: The CT diagnosis of sacro-iliac disease**  
Mark A. Reiley, Berkeley Orthopaedic Medical Group Inc., USA

17:10-17:30 **Title: One stage bilateral anterior cruciate ligament reconstruction - Evaluation of cost and mid-term functional results**

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 Sasongko, 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

Pine

08:30-09:00 Opening Ceremony

## Keynote Forum

09:00-09:05 Introduction

09:05-09:30 **Charles J. Malemud**

Case Western Reserve University School of Medicine, USA

09:30-09:55 **Bruce P. Burnett**

Primus Pharmaceuticals, USA

09:55-10:20 **Bogatkevich Galina**

Medical University of South Carolina, USA

10:20-10:45 **Liubov Gargaun**

Selag Inc., Canada

Coffee Break 10:45-11:00

## Pine

Rheumatology Track 1: Auto Immune Rheumatic Diseases and Treatment

Rheumatology Track 2: Osteoarthritis and Treatment

Rheumatology Track 6: Drug Therapy for Rheumatic Diseases

Session Introduction

- 11:00-11:20 **Title: Hospitalizations per lupus year: A measure of cumulative disease impact in systemic lupus erythematosus (SLE)**  
Tammy O. Utset, University of Chicago, USA
- 11:20-11:40 **Title: Interferon alpha as a primary pathogenic factor in human lupus**  
Timothy B. Niewold, University of Chicago, USA
- 11:40-12:00 **Title: Regulation of cartilage homeostasis genes by matrilin-3: Dependency on interleukin-1 receptor antagonist**  
Qian Chen, Brown University, USA
- 12:00-12:20 **Title: Role of microRNA in knee joint OA and pain**  
Hee-Jeong Sampen, University of Illinois, USA

Lunch Break 12:20-13:05

- 13:05-13:25 **Title: Vascular complications in patients with systemic sclerosis (Scleroderma)**  
Julius Bankole, University of Northern British Columbia, Canada
- 13:25-13:45 **Title: Behçet's disease: An update on the treatment**  
Necati Cakir, Fafih Sultan Mehmet Research and Educational Hospital, Turkey
- 13:45-14:05 **Title: Preclinical evaluation of anti-rheumatic drugs in nonhuman primate models of arthritic disease**  
Michel Vierboom, Biomedical Primate Research Centre, Netherland
- 14:05-14:25 **Title: A novel concept and a cost-effective method to counteract side-effects of non-steroidal anti-inflammatory drugs (NSAIDs): Modulation of biosynthesis of prostaglandin E2**  
Liubov Gargaun, Selag Inc., Canada
- 14:25-14:45 **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

- 15:00-15:20 **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
- 15:20-15:40 **Title: A novel role for relaxin (RLX) and its receptor (LGR7) in limited systemic sclerosis (ISSc)**  
Claudio Corallo, University of Siena, Italy
- 15:40-16:00 **Title: The association of BMI and knee pain among patients with knee osteoarthritis**  
Karmela Filipovic, University of Novi Sad, Serbia

16:00-16:10 Panel Discussion

## Locust

Rheumatology Track 3: Rheumatoid Arthritis and Current Research

Rheumatology Track 4: Other Rheumatic Disorders

Rheumatology Track 5: Paediatric Rheumatology

Session Introduction

- 11:00-11:20 **Title: Therapeutic roles of TGF- $\beta$ -induced regulatory T cells in the established autoimmune and inflammatory diseases**  
Song Guo Zheng, University of Southern California, USA
- 11:20-11:40 **Title: Flavocoxid, a natural approach to the management of Osteoarthritis**  
Bruce P. Burnett, Primus Pharmaceuticals, USA
- 11:40-12:00 **Title: Is rheumatoid arthritis the skeletal manifestation of a mycobacterium avium subspecies paratuberculosis (MAP) infection?**  
Robert Greenstein, Veteran Affairs Medical Center, USA
- 12:00-12:20 **Title: Chronic alcohol use and osteoarthritis - A novel risk factor for osteo arthritis and pain**  
Hee-Jeong Sampen, University of Illinois, USA

Lunch Break 12:20-13:05

- 13:05-13:25 **Title: Anti-citrulline antibody as novel therapeutic drug in early Rheumatoid Arthritis**  
Jos Raats, Radboud University, Netherlands
- 13:25-13:45 **Title: Inhibiting C - reactive protein in humans- Way into clinical studies**  
Oliver Zimmermann, Cardiovascular Center Oberallgäu-Kempton, Germany

- 13:45-14:05** **Title: TNF-alpha in an experimental model of myositis: Bilateral involvement in response to unilateral muscle overuse**  
**Sture Forsgren**, Umea University, Sweden
- 14:05-14:25** **Title: Multiple factors determine the increased prevalence of atherosclerosis in rheumatoid arthritis**  
**Ivanio Alves Pereira**, University of Southern Santa Catarina, Brazil
- 14:25-14:45** **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**

- 15:00-15:20** **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
- 15:20-15:40** **Title: Knee arthroplasty in patients suffering from rheumatoid arthritis**  
**Krishna Mehta**, Apollo Hospitals International, India
- 15:40-16:00** **Title: Echocardiography in rheumatoid arthritis**  
**Malgorzata Wislowska**, Central Clinical Hospital, Poland
- 16:00-16:20** **Title: Osteoarthritis and osteoporosis: Interactions and differences**  
**Umberto Tarantino**, Tor Vergata University, Italy
- 16:20-16:40** **Title: Epidemiological study of patients with Rheumatic diseases in rheumatology ward of Imam Khomeini hospital, Teharn, Iran 2007-2011**  
**Sadeghzadeh E**, Tehran University of Medical Sciences, Iran

**16:40-16:50** **Panel Discussion**

**Pine**

- 16:10-17:10** **Poster Presentations**
- 17:10-18:10** **Scientific Partnering**
- 18:10-19:10** **Cocktails Sponsored by Journal of Arthritis**

**Day 3**

**August 15, 2012**

**08:00-09:00** **Registrations**

**08:30-09:00** **Breakfast**

**Linden 1**

**Track 7: New Treatment Aspects for Rheumatology**

**Track 8: Rheumatic Pain and Soft Tissue Pain**

**Track 9: Genetics of Rheumatic Diseases**

**Session Introduction**

- 09:00-09:20** **Title: Systemic lupus erythematosus: After 50 years no longer "lost in translation" – The pipeline of therapeutic antibodies is here!**  
**C. Michael Neuwelt**, University of California, USA
- 09:20-09:40** **Title: Ultrasound assessment of disease activity in rheumatoid arthritis**  
**Nemanja Damjanov**, University of Belgrade, Serbia
- 09:40-10:00** **Title: Lubricin, the basis of faulty biolubrication and immunological consequences**  
**Niclas G. Karlsson**, University of Gothenburg, Sweden
- 10:00-10:20** **Title: Arthroscopic synovectomy of wrist joint and histological analysis treated with biologics in rheumatoid arthritis**  
**Atsushi Nakamura**, Tokyo Women's Medical University, Japan
- 10:20-10:40** **Title: Will interference with cholinergic effects have implications on the inflammatory process in arthritis?**  
**Sture Forsgren**, Umea University, Sweden

**Coffee Break 10:40-10:55**

- 10:55-11:15** **Title: The importance of multidisciplinary assessment of pain in rheumatoid arthritis**  
**Tomasevic-Todorovic Snezana**, University of Novi Sad, Serbia
- 11:15-11:35** **Title: Pain experience and pain coping in rheumatoid arthritis and osteoarthritis: How do patients manage their pain?**  
**Paula Oliveira**, University of Porto, Portugal

**11:35-11:45** **Panel Discussion**

Track 10: Orthopaedic and Muscular Systems  
Track 11: Novel Techniques and Applications in Rheumatology

Session Introduction

- 11:45-12:05 **Title: Silencing TNF- $\alpha$  in macrophages and dendritic cells for arthritis treatment**  
Chunting ye, Texas Tech University Health Sciences Center, USA
- 12:05-12:25 **Title: The expression of MAP kinase in bone marrow treated with abatacept in patients with rheumatoid arthritis**  
Katsuaki Kanbe, Tokyo Womens Medical University, Japan

Lunch Break 12:25-13:10

- 13:10-13:30 **Title: Effects of antiresorptive therapy on bone mass in postmenopausal women**  
Sandra Zivanovic, University of Belgrade, Serbia
- 13:30-13:50 **Title: Prevalence, patterns and impact of musculoskeletal disorders among sewing machine operators in surulere local government area of lagos state, Nigeria**  
Ashiyat Akodu, University of Lagos, Nigeria
- 13:50-14:10 **Title: Role of dux4 and pax3/7 interferences in facioscapulohumeral muscular dystrophy (fshd) pathogenesis**  
Darko Bosnakovski, University Goce Delcev - Stip, R. Macedonia
- 14:10- 14:30 **Title: Adoptive cell therapy of cancer and autoimmune diseases employing genetically T cells with redirected antibody specificity**  
Zelig Eshhar, The Weizmann Institute, Israel
- 14:30- 14:50 **Title: Coincidence or association: Coexistence of ankylosing spondylitis and hereditary multiple exostoses**  
Elham Sadeghzadeh, Tehran University of Medical Sciences, Iran

14:50-15:00 Panel Discussion

Editorial Board Meetings

Bookmark your dates

2<sup>nd</sup> International Conference and Exhibition on

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# Orthopedics & Rheumatology

August 19-21, 2013 Embassy Suites Las Vegas, USA



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