

**Fifth International Meeting of Gene and Cell Therapies for
Arthritis and Related Diseases**

April 29-May 1, 2008

Bell Harbor Conference Center, Seattle, WA

**Scientific
Program**

Scientific Program (up-dated April 14,2008)

Tuesday Evening, April 29, 2008

5:00-6:30

Poster Set-Up

6:30-7:30

Welcoming Reception

7:30-8:30

**Keynote Address: Next generation protein therapeutics for
autoimmune diseases and oncology**

Kendall Mohler, Senior Vice President of R&D

Trubion Pharmaceuticals

Wednesday, April 30, 2008

7:00-8:00

Continental breakfast

Session 1: Advances in Gene Transfer

(Chair: Steve Ghivizzani)

8.15-8.40

Jeff Bartlett: **Defining and modifying cellular responses to AAV vector
administration**

8.40-9.05

Anahita Keravala: **Direct DNA delivery and stem cell approaches Using
PhiC31 Integrase for arthritis**

9.05-9.25

Florence Apparailly: **New RNAi-based vector for validation of new
therapeutic targets in arthritis**

9.25-9.45

Margriet Vervoordeldonk: **AAV-mediated gene transfer for arthritis**

9.45-10.05

Jay Chiorini: **Sjögren's Syndrome in models of autoimmunity**

10:05-10:30

Coffee Break and Poster Viewing

Session 2: Gene, Cell and Biological Approaches for Arthritis

(Chair: Florence Apparailly)

10.30-10.55

Michael Brenner: **Role of synovial fibroblasts and cadherin-11 in
rheumatoid arthritis**

10.55-11.20

Ming Pei: **Synovium-derived stem cell-based cartilage tissue
engineering for cartilage repair**

11.20-11.45

Harris Perlman: **Therapeutic potential of BH3 mimetics in treating
autoimmune disease:**

11.45-12.10

John Simms: **IL-1 Inhibition in Osteoarthritis: Size Matters**

12:10-1:45

Lunch

**Session 3: Gene, Cell and Biological Approaches for
Immunomodulation**

(Chair: Paul Robbins)

1.45-2.10

Alexander Rudensky: **Regulatory T cell mediated control of infection
and autoimmunity**

- 2.10-2.35 Steve Wiley: **Leveraging viral evolution to create novel therapeutics for autoimmune and inflammatory diseases**
- 2.35-3.00 Gary Fathman: **Using gene arrays to define targets for adoptive cellular gene therapy**
- 3.00-3.25 Yuti Chernajovsky: **Novel targeted therapies for the treatment of autoimmune diseases**

3:25-4:00 Coffee Break and Poster Viewing

Session 4: Gene, cell and biological approaches for bone and cartilage

(Chair: Edward Schwarz)

- 4.00-4.20 Bill Dougall: **Role of the TNF ligand superfamily member RANKL in inflammatory bone disease**
- 4.20-4.40 Chisa Hidaka: **Hedgehog signaling and trabecular architecture**
- 4.40-5.00 Chris Niyibizi: **Cell therapy approaches for osteogenesis imperfecta**
- 5.00-5.20 Manjula Viggeswarapu: **Gene, cell and biological approaches for bone and cartilage : SPINAL DISORDERS**
- 5.20-5.40 Steve Ghivizzani: **Gene Therapy for Achondroplasia.**

7:00-10:00 Gala Dinner

Thursday, May 1, 2008

7:00-8:00 Continental Breakfast

Session 5: Gene and Biological Therapies for Arthritis: Clinical Studies I

(Chair: Haim Burstein)

- 8.30-8.55 Chris Evans: **Getting local AAV.IL-1Ra therapy into the clinic**
- 8.55-9.20 Paul-Peter Tak: **Rheumatoid arthritis: Innovative trial design**
- 9.20-9.45 Larry Moreland: **Update on new and current therapies for rheumatoid arthritis**
- 9.45-10.10 Phil Mease: **Intra-articular therapy for inflammatory arthritis using a recombinant AAV2 vector containing a TNF α antagonist gene**

10.10-10.40 Coffee Break and Poster Viewing

Session 6: Gene and Biological Therapies for Arthritis: Clinical Studies II

(Chair: Paul-Peter Tak)

- 10.40-11.05 Jerry Nepom: **Autoimmune phenotyping for rational therapy**
- 11.05-11.30 Tetsuya Tomita: **Clinical application NFkappaB decoy deoxyoligonucleotides for rheumatoid arthritis**
- 11.30-11.55 Peter Wehling: **Human clinical experiences and studies using anti-inflammatory exosomes and Orthokine in auto immune and degenerative orthopaedic disease**
- 11.55-12.20 Kwan H. Lee: **Preclinical and early clinical analysis of allogeneic chondrocytes transfected retrovirally with TGF-beta1 gene for degenerative arthritis patients**

12:20-1:30 Lunch

Session 7: Gene and Biological Therapies for Bone and Cartilage: Clinical Studies

(Chair: Chris Evans)

- 1.30-1.55 Gloria Mathews: **Local growth factor gene therapy for orthopaedic indications**

1.55-2.20	Zulma Gazit: Mesenchymal stem cells: Immunoisolation and clinical application in skeletal regeneration
2.20-2.45	Debra Zack: Inflammatory arthritis; How well do rodents mimic the human disease? Studies with RANKL Inhibition
2.45-3.10	Alan Nixon: Combinatorial RNA silencing approaches to gene enhanced cartilage repair
3.10-3.30	Coffee Break
3:30-4:30	Session 8: Young Investigator Presentations (selected from abstract submissions)
	(Chair: Margriet Vervoordeldonk)
4:30-5:00	Closing Remarks and Discussion