

Sunday, 11 October 2009

Registration

4:00 PM - 6:00 PM

Foyer

BPA Award

6:00 PM - 7:00 PM

Shiraz A

Welcome Function

7:00 PM - 9:00 PM

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Monday, 12 October 2009

Registration

8:30 AM - 6:00 PM

Foyer

Musculoskeletal System I

8:55 AM - 10:30 PM

Shiraz A

8:55am

Tim Prickett

C-type Natriuretic Peptide : A New Bone Growth Factor

9:20am

Eleanor Mackie

Osteopontin is essential for early skeletal muscle regeneration

9:35am

Carmen Macsai

Development of Skeletal Disease in MPS VII mice Treated with Gene Therapy

9:50am

Miranda Grounds

Expression of fibulins 1-5 during myogenesis *in vitro* and *in vivo* in regenerating normal skeletal muscle and dystrophic mdx muscles.

Morning Tea

10:30 AM - 11:00 AM

Shiraz B

Musculoskeletal System II

11:00 AM - 12:35 PM

Shiraz A

11:00am

Gary Gibson

The role of miRNAs in cartilage homeostasis

11:25am

Tamayuki Shinomura

A new stable gene expression system and its applications

11:50am

David Haynes

Changes in cartilage expression of factors regulating bone metabolism in various grades of osteoarthritis.

12:05pm

Trevor Cameron

Transcriptional Characterisation of the Unfolded Protein Response in Mouse Models of Schmid Metaphyseal Chondrodysplasia

12:20pm

Shireen Lamande

Mutations in the calcium channel TRPV4 cause Familial Digital Arthropathy Brachydactyly (FDAB)

Lunch

12:35 PM - 2:00 PM

Shiraz B

Wound repair and tissue remodeling

2:00 PM - 3:35 PM

Shiraz A

- 2:00pm **Allison Cowin**
Importance of tetraspanin CD151 and the actin cytoskeleton in wound healing.
- 2:25pm **Louise Hull**
Remodelling the extracellular matrix in endometriosis
- 2:50pm **Barbara Smith**
Transcriptional regulators of collagen during wound healing.
- 3:05pm **Nick Hatzirodos**
Allelic analysis of the fibrillin-3 gene in polycystic ovary syndrome and expression of the fibrillin gene family in human ovaries
- 3:20pm **MoonSun Jung**
The roles of mast cell proteoglycan in angiogenesis

Poster Session

3:35 PM - 5:30 PM

Shiraz B

- Noor Al-Dasooqi**
Chemotherapy-induced gastrointestinal mucositis is associated with an altered expression profile of multiple matrix metalloproteinases and their inhibitors in the rat.
- Christine Chuang**
Perlecan and FGF18 controls chondrocyte differentiation not proliferation in pellet cultures.
- Leanne Dyksterhuis**
Structural Characterisation of Basement Membranes
- Helen Irving-Rodgers**
Focimatrix gene expression in bovine during selection of the dominant ovarian follicle
- Megan Lord**
A potential role for specific bikunin chondroitin sulfate chain structures in biological fluids
- John Ramshaw**
Evaluation of a collagen-like protein from *Streptococcus pyogenes* for biomedical applications
- Lillian Sando**
Photochemical crosslinking of solubilised wool keratins produces biomaterial that supports cell growth
- Cindy Shu**
Immunolocalisation of versican and the elastic fibre components elastin, MAGP-1, LTBP-2 and fibrillin-1 in the human foetal intervertebral disc suggest important roles in annular lamellar development and function
- Elizabeth Thomas**
p63+ stem cells endogenous to human breastmilk can recapitulate milk-secreting ductal-alveolar structures in three-dimensional culture.
- Richard Wilson**
Proteomic analysis of cartilage matrix assembly and degradation
- Krystyna Zarrinkalam**
Involvement of Wnt signalling in the bone pathology of MPS VI
- Melissa Cantley**

Inhibition of bone matrix destruction in periodontal disease by histone deacetylases: Animal model and *in vitro* studies.

Yin Xiao

ERK1/2 and P38 in the regulation of hypertrophic changes of normal articular cartilage chondrocytes induced by osteoarthritic subchondral osteoblasts

Afternoon Tea

3:35 PM - 4:00 PM

Shiraz B

Dinner

7:00 PM - 9:00 PM

TBC

Tuesday, 13 October 2009

Registration

8:30 AM - 2:30 PM

Foyer

Structure and assembly

8:55 AM - 10:20 AM

Shiraz A

8:55am

Robert Mecham

Elastin and the Evolution of the Vertebrate Cardiovascular System

9:20am

Anthony Weiss

The extreme C-terminus of tropoelastin mediates cell adhesion through integrin α v β 3

9:35am

Cindy Shu

The HS chains of perlecan domain I modulate tendon functional properties

9:50am

Kylie Dunning

Altered Cumulus Oocyte Matrix Following *in vitro* Maturation of Oocytes

10:05am

Tony Poole

Primary Cilia Defects in a Sheep Model of Meckel-Gruber Syndrome

Morning Tea

10:20 AM - 10:50 AM

Shiraz B

Biological role for proteoglycans and glycosaminoglycans

10:50 AM - 11:50 PM

Shiraz A

10:50am

Sohel Julovi

Hyaluronan inhibits matrix metalloproteinase-13 in human arthritic chondrocytes via CD44 and p38.

11:05am

Julian Adams

LTBP-2 has multiple heparin/heparan sulfate binding sites

11:20am

Simone Osborne

Bovine tissues contain antithrombotic dermatan sulphate

11:35am

Bill Cheng

The Modulation of Platelet Activities by Proteoglycans and their Glycosaminoglycans

Short Break

11:50 AM - 12:00 PM

Foyer

New Investigator Symposium

12:00 PM - 12:45 PM

Shiraz A

12:00pm

Ainslie Derrick Roberts

Time course of heparan sulphate accumulation and CNS pathology in

- mucopolysaccharidosis type IIIA.
- 12:15pm **Sohel Julovi**
Activated protein C accelerates wound healing through the PI3-AKT axis by utilizing PAR-2
- 12:30pm **Julie Nigro**
Analysis of the fine chemical structure of glycosaminoglycans in cultured human embryonic stem cells and their feeder cells.

Lunch

12:45 PM - 2:15 PM

Shiraz B

AGM

1:15 PM - 2:15 PM

Shiraz A

Free Afternoon

2:30 PM - 7:00 PM

Conference Dinner

7:00 PM - 12:00 PM

Wednesday, 14 October 2009

Registration

8:30 AM - 12:30 PM

Foyer

Cancer

9:00 AM - 10:25 AM

Shiraz A

- 9:00am **Normand Pouliot**
Tumour but not stromal $\beta 3$ integrin regulates spontaneous metastasis to lung and bone in a clinically relevant syngeneic model of breast cancer metastasis.
- 9:25am **Kate Frewin**
Loss of Adamts1 results in reduced tumour burden and is associated with reduced versican accumulation and increased CD45⁺ leukocytes in MMTV-PyMT mammary tumours.
- 9:40am **John Whitelock**
Perlecan Signalling in Cancer.
- 9:55am **Miranda Ween**
Transforming growth factor induced protein TGFBI promotes ovarian cancer cell motility and adhesion to peritoneal cells
- 10:10am **Albert Mellick**
Bone Marrow Mediated Tumour Vascularisation is miRNA Dependent

Morning Tea

10:25 AM - 11:00 AM

Shiraz B

Turnover

11:00 AM - 12:30 PM

Shiraz A

- 11:00am **Israel Vlodavsky**
Heparanase: One Molecule with Multiple Functions in Cancer Progression
- 11:25am **Emily Fuller**
Differential MMP and ADAMTS expression and activity in a model of zonal meniscal degeneration
- 11:40am **Andrew Ziolkowski**
The role of matrix metalloproteinases (MMPs) in destructive autoimmunity in Non-Obese Diabetic (NOD) mice.

11:55am

Miriam Jackson

The role of Protease Activated Receptor-2 (PAR-2) and Activated Protein C (APC) in cartilage degradation.

12:10pm

Benjamin Chan

Increased sclerostin in osteoarthritic chondrocytes contributes to cartilage degradation

Lunch

12:30 PM - 1:00 PM

Shiraz B

A pick up lunch will be provided, buses depart at 1.00pm for Adelaide