

PROGRAM

Sunday, 2nd September 2012

MRS Board Meeting

1:00 PM - 2:30 PM

Registration

1:00 PM - 5:30 PM

Boulevard Auditorium Foyer

Welcome from Convenor, Co-Convenors and Indigenous Elder

3:30 PM - 4:00 PM

Boulevard Auditorium

Plenary 1

4:00 PM - 5:00 PM

Chair: Shun'ichiro Taniguchi

Boulevard Auditorium

4:00 PM

Makoto Mark Taketo

Colon cancer microenvironment that helps invasion and metastasis: studies using mouse models *abs# 1*

Welcome Function & Aboriginal Dance Performance (drinks and canapés provided)

5:00 PM - 6:30 PM

Boulevard Auditorium Foyer

Monday, 3rd September 2012

Symposium 1 - Clinical and Translational Aspects

8:30 AM - 10:00 AM

Boulevard Auditorium

Chairs: Ian Street & Judith Clements

- 8:30 AM **Amato Giaccia**
Targeting the HIF/VHL pathway therapeutically to treat metastatic disease abs# 2
- 9:00 AM **Lun-Xiu Qin**
Osteopontin: a promoter and a potential therapeutic target for hepatocellular carcinoma metastasis abs# 3
- 9:30 AM **Dihua Yu**
Targeting Src family kinases as novel therapies for breast cancer brain metastases abs# 4
- 9:45 AM **Adrian Wiegman**
The role of RAD51 in the biology and therapeutic response of high-grade metastatic breast cancers abs# 5

This session is proudly sponsored by Cancer therapeutics CRC



Morning Tea

10:00 AM - 10:30 AM

Boulevard Auditorium Foyer

This session is proudly sponsored by AACR



Symposium 2 - Stem cells and, EMT/MET

10:30 AM - 12:30 PM

Boulevard Auditorium

Chairs: Dihua Yu & Elizabeth Williams

- 10:30 AM **Jean Paul Thiery**
EMT in the progression of carcinoma abs# 6
- 11:00 AM **John Haley**
Cellular plasticity as an important mechanism of drug-resistance to cancer therapies abs# 7
- 11:30 AM **Cameron Johnstone**
ARHGAP8 is a marker of differentiated epithelium whose loss during breast cancer progression is tightly linked to epithelial-to-mesenchymal transition (EMT), the claudin-low molecular subtype, and a cancer stem cell phenotype abs# 8
- 11:45 AM **Qiang Liu**
miR-27 regulates endothelial differentiation of breast cancer stem-like cells abs# 9
- 12:00 PM **Radhika Nair**
Tumor propagating cells in breast cancer tumorigenesis and metastasis abs# 10
- 12:15 PM **Rodney Stewart**
Fascin is required for neural crest migration and brain tumor invasion in zebrafish abs# 11

Lunch Break

12:30 PM - 1:30 PM

Boulevard Auditorium Foyer

Olink Seminar

12:50 PM - 1:10 PM

Boulevard Auditorium

Dr. Elizabeth Williams

Title: Proximity ligation assay identifies heterodimerisation and activation state of endogenous proteins in tumour tissue and isolated cells

Merck Millipore Seminar

1:10 PM – 1:30 PM

Boulevard Auditorium

Dr. Cathy Noone**Title:** Tumor Initiation, Promotion & Progression - an intense manipulation by cancer stem cells and chronic inflammatory signals.**Symposium 3 - Tumour Imaging**

1:30 PM - 2:20 PM

Boulevard Auditorium

Chairs: Jonathan Sleeman & Andreas Evdokiou

1:30 PM

Erik SahaiImaging the metastatic process *abs# 12*

2:00 PM

Robert HoffmanModeling and visualizing metastasis *abs# 13***Plenary 2**

2:20 PM - 3:20 PM

Boulevard Auditorium

Chair: Qinghua Zhou

2:20 PM

Xiu-Wu BianContribution of cancer stem cells to angiogenesis and invasion of cancer *abs# 14***Afternoon Tea**

3:20 PM - 3:50 PM

Boulevard Auditorium Foyer

Symposium 4 - Young Investigator Session 1 (organised by the Young MRS Ambassadors)

3:50 PM - 5:20 PM

Boulevard Auditorium

Chairs: Lalita Shevde-Samant & Christina Tekle

3:50 PM

Sachie Hiratsuka-NakamuraInnate immune system mediates focal metastasis *abs# 15*

4:05 PM

Alana WelmBlocking Ron kinase prevents metastasis by boosting anti-tumor immunity *abs# 16*

4:20 PM

Erwei SongMiR-106b is regulated by transforming growth factor β signaling and promotes metastasis in breast cancer *abs# 17*

4:35 PM

Belinda ParkerTumour cell induced immune suppression dictates bone metastasis in breast cancer *abs# 18*

4:50 PM

Erica SloanNeural regulation of metastasis: New avenues for therapeutic intervention *abs# 19*

5:05 PM

Valerie LeBleuBioenergetic requirements of metastatic dissemination *abs# 20***Poster Session (drinks provided)**

5:20 PM - 7:20 PM

Boulevard Auditorium Foyer

This session is proudly sponsored by Nature Reviews Cancer

Tuesday, 4th September 2012

Special Breakfast Workshop (Sponsored by Springer)

7:00 AM - 8:30 AM

Boulevard Auditorium

How to review a manuscript

Dan Welch Deputy Editor for Reviews, Cancer Research

James Talmadge Editor-in-Chief International Immunopharmacology

Melania Ruiz Senior Publishing Editor of Clinical & Experimental Metastasis

This session is proudly sponsored by Springer



Symposium 5 - Stress, Chaperones and Metabolism

8:30 AM - 10:30 AM

Boulevard Auditorium

Chairs: John Price & Mark Waltham

- 8:30 AM **Amy Lee**
Endoplasmic reticulum stress regulator GRP78 and cancer *abs# 21*
- 9:00 AM **Masahiro Inoue**
Metabolism of cancer cells in hypoxia *abs# 22*
- 9:30 AM **Nigel Crawford**
The role of germline genetic variation in the regulation of metastasis-related transcriptional programs *abs# 23*
- 9:45 AM **Cara Lomas**
The role of molecular chaperones in metastasis *abs# 24*
- 10:00 AM **Susanne Sölch**
Overexpression of the GTP-binding protein rab31 induces a switch from an invasive to a proliferative phenotype in breast cancer cells *abs# 25*
- 10:15 AM **Carol Lange**
Breast Tumor Kinase (Brk/PTK6) Mediates Increased HGF/MET-Induced Breast Cancer Cell Signaling and Migration *abs# 26*

Morning Tea

10:30 AM - 11:00 AM

Boulevard Auditorium Foyer

Symposium 6 - CTC, DTC and Dormancy

11:00 AM - 12:20 PM

Boulevard Auditorium

Chairs: Alison Allan & Alexander Swarbrick

- 11:00 AM **Christoph Klein**
Selection and adaptation during metastatic cancer progression *abs# 27*
- 11:30 AM **Klaus Pantel**
Cancer micrometastasis and circulating tumour cells *abs# 28*
- 11:50 AM **Dario Marchetti**
Combating breast cancer brain metastasis: the CTC signature *abs# 29*
- 12:05 PM **Melanie Werner-Klein**
Disseminated cancer cells from non-metastatic patients display tumorigenic potential in immunodeficient mice *abs# 30*

Lunch Break: Meet the professors

12:20 PM - 1:20 PM

Boulevard Auditorium Foyer

This session is proudly sponsored by Cancer Therapeutics CRC



Symposium 7A - Microenvironment, Angiogenesis and Lymphangiogenesis

1:20 PM - 2:50 PM

Boulevard Auditorium

Chairs: Yves DeClerck & Carmela Ricciardelli

- 1:20 PM **Raghu Kalluri**
Fibrosis and cancer progression *abs# 31*
- 1:50 PM **Steven Stacker**
Vegf-D promotes tumor metastasis by regulating prostaglandins produced by the collecting lymphatic endothelium *abs# 32*
- 2:20 PM **Albert Mellick**
A novel small noncoding RNA regulated pathway controlling EPC biology and tumor angiogenesis *abs# 33*
- 2:35 PM **John Hooper**
A novel molecular mechanism mediating vascular metastasis *abs# 34*

Afternoon Tea

2:50 PM - 3:20 PM

Boulevard Auditorium Foyer

Symposium 7B - Microenvironment and Inflammation

3:20 PM - 4:40 PM

Boulevard Auditorium

Chairs: Yibin Kang & Izhak Haviv

- 3:20 PM **Chris Overall**
Degradomics analyses of dynamic proteolytic networks in the 4T1 tumor and lung metastases model of breast cancer *abs# 35*
- 3:40 PM **James Talmadge**
Molecular and cellular crosstalk between tumor and inflammatory cells in the tumor microenvironment: role in metastasis *abs# 36*
- 3:55 PM **Ana Gil-Bernabe**
Tissue Factor, VCAM-1 and VAP-1 orchestrate the recruitment of monocytes/macrophages to tumour cells in pulmonary metastasis *abs# 37*
- 4:10 PM **Josh Neman**
Co-evolution of breast to brain metastatic and neural progenitor cells *abs# 38*
- 4:25 PM **Gera Neufeld**
A furin resistant form of semaphorin-3E as a potential treatment for metastatic disease *abs# 39*

Poster Session (drinks provided)

4:40 PM - 6:40 PM

Boulevard Auditorium Foyer

This session is proudly sponsored by Nature Reviews Cancer

Pre-Dinner Break

6:40 PM - 7:00 PM

Boulevard Room

Conference Dinner

7:00 PM for 7:30 PM Dinner

Boulevard Room

Wednesday, 5th September 2012

Symposium 8 - Young Investigator Session 2 (organised by the Young MRS Ambassadors)

9:00 AM - 10:30 AM

Boulevard Auditorium

Chairs: Suzanne Eccles & Clare Slaney

- 9:00 AM **Tsuyoshi Fukushima**
Roles of membrane-bound serine protease inhibitor, HAI-1, in invasion and metastasis of cancers *abs# 40*
- 9:15 AM **Yoshihiro Hayakawa**
Cancer immune-escalation process and the role of inflammatory tumor microenvironment for promoting metastasis *abs# 41*
- 9:30 AM **Roberta Mazzieri**
Toward a human platform for the tumor-targeted IFN-alpha delivery by genetically modified monocytes *abs# 42*
- 9:45 AM **Wen-Ting Liao**
FOXC2 as prognostic factor and mediator of colorectal cancer progression *abs# 43*
- 10:00 AM **Conor Lynch**
Matrix metalloproteinase control of the metastatic prostate cancer bone-microenvironment *abs# 44*
- 10:15 AM **Gert Van den Eynden**
Identification and characterisation of histological growth patterns of colorectal cancer liver metastases: (potential) role of the micro-environment *abs# 45*

Morning Tea

10:30 AM - 11:00 AM

Boulevard Auditorium Foyer

Symposium 9 – Organotropism

11:00 AM - 1:00 PM

Boulevard Auditorium

Chairs: Kazuyuki Itoh & Normand Pouliot

- 11:00 AM **Joan Massague (Paget-Ewing Award Recipient)**
Latent metastasis seeds and niches *abs# 46*
- 11:40 AM **Yibin Kang**
Breast cancer bone metastasis — from molecular insights to novel therapeutics *abs# 47*
- 12:10 PM **Richard Redvers**
A functional in vivo shRNA screen for regulators of breast cancer metastasis *abs# 48*
- 12:25 PM **Mitsuru Futakuchi**
Malignant tumor growth in the bone microenvironment; crosstalk between TGFb and ERK/AKT/PTEN signaling pathway *abs# 49*
- 12:40 PM **Anna Taubenberger**
Investigating breast cancer cell colonization of bone using engineered microenvironments *abs# 50*

Lunch Break

1:00 PM - 2:00 PM

Boulevard Auditorium

MRS General Meeting (MRS members only)

Symposium 10 - Pre-Metastatic Niche

2:00 PM - 3:30 PM

Boulevard Auditorium

Chairs: Dan Welch & Andreas Möller

- 2:00 PM **David Lyden (Inaugural IJ Fidler Innovation Award Recipient)**
Melanoma-derived exosomes educate bone marrow progenitor cells toward a pro-metastatic phenotype through MET *abs# 51*
- 2:40 PM **Janine Erler**
Lysyl oxidase in pre-metastatic niche formation *abs# 52*
- 3:00 PM **Jaclyn Sceneay**
Formation of an immunosuppressive pre-metastatic niche in breast cancer triggered by hypoxic tumour-derived factors *abs# 53*
- 3:15 PM **Hirotohi Kikuchi**
Mechanisms of colorectal liver metastasis and novel molecular targets *abs# 54*

Afternoon Tea

3:30 PM - 4:00 PM

Boulevard Auditorium Foyer

Plenary 3

4:00 PM - 5:00 PM

Boulevard Auditorium

Chair: Carrie Rinker-Schaeffer

- 4:00 PM **Isaiah (Josh) Fidler**
The pivotal role of astrocytes in the biology and therapy of brain metastasis *abs# 55*

Awards and Meeting Close

5:00 PM - 5:30 PM