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**The 16<sup>th</sup> Biennial Congress of the Metastasis Research Society**  
**&**  
**The 12<sup>th</sup> National Congress of the Chinese Society of Tumor Metastasis**

**Venue**                    **Chengdu JinJiang Hotel, Chengdu, Sichuan Province, China**

**Co-Chairs:**

- Qinghua Zhou (West China Hospital, Sichuan University, China)
- Yibin Kang (Princeton University, USA)

**Scientific Committee:**

- Jonathan Sleeman (University of Heidelberg, Germany), President, MRS
- Lalita Shevde-Samant (University of Alabama at Birmingham, USA), MRS
- Robin Anderson (Peter MacCallum Cancer Centre, Australia), MRS
- Douglas R Hurst (University of Alabama at Birmingham, USA), MRS
- Barbara Fingleton (Vanderbilt University, USA), MRS
- Kazuyuki Itoh (Osaka Medical Center of Cancer and Cardiovascular Diseases, Japan), MRS
- Conor C Lynch (H. Lee Moffitt Cancer Center, USA), MRS
- Klaus Pantel (University Cancer Center Hamburg, Germany), MRS
- Rajeev S Samant (University of Alabama at Birmingham, USA), MRS
- Andries Zijlstra (Vanderbilt University, USA), MRS
- Lunxiu Qin (Fudan University Huashan Hospital, China), ChMRS
- Weigang Fang (Peking University, China), ChMRS
- Xiuwu Bian (Third Military University, China), ChMRS
- Jian Zhang (Guangxi Medical University, China), ChMRS

# Day1, Thursday, September15

**14:00-22:00**    **Registration**

**Location:** (1)*VIP: Lobby of VIP Building*

(2)*Group and General Participants: Eastern Lobby*

**16:00-23:00**    **Speaker Ready Room Open**

**Room:** *Huanglong Hall*

# Day2, Friday, September16

- 7:30-12:00**    **ECAM Satellite Symposium I**  
***Room Dignitary Hall***  
*Chairperson: Thomas Cox, University of Copenhagen, Denmark*  
*Adrian Weigmanns, QIMR Berghofer Medical Research Institute, Australia*
- 8:00-8:15        Welcome
- 8:15-8:45        Cyrus Ghajar, Fred Hutchinson Cancer Center, US(Keynote Talk)
- 8:45-9:00        Positively selected enhancer elements endow tumor cells with metastatic competence  
*James Morrow, Case Western Reserve University ,US(Abstract#:01-018)*
- 9:00-9:15        High-resolution sequencing of the transcriptome of single disseminated prostate cancer cells  
*Miodrag Gužvić, University of Regensburg, Germany(Abstract#:03-005)*
- 9:15-9:30        Cancer Associated Fibroblasts Share Characteristics of Mesenchymal Stromal Cells and Promote a Pro-Tumorigenic Environment in a STAT3 and ERK1/2-Dependent Manner  
*Lucia Borriello, Children’s Hospital Los Angeles , US(Abstract#:05-001)*
- 9:30-9:45        Role of microglia in the early stages of brain metastasis  
*Kleopatra Andreou University of Oxford, UK(Abstract#:08-010)*
- 9:45-10:00      Neutrophils as therapeutic targets in metastatic breast cancer  
*Kellie Mouchemore, Peter MacCallum Cancer Centre, Australia(Abstract#:08-013)*
- 10:00-10:30**    **COFFEE BREAK**
- 10:30-11:00     Industry speaker: Liping Liu, Ph.D., MBA., CEO & CSO  
Shenzhen HighTide Biopharmaceutical, Ltd., China
- 11:00-11:15     Tinagl1 Suppresses Triple-negative Breast Cancer Progression by Simultaneous Targeting FAK and EGFR Signaling Pathways  
*Minhong Shen, Princeton University, US(Abstract#:12-007)*

# Day2, Friday, September16

- 11:15-11:30 Targeting Jagged1 in breast cancer bone metastasis and chemo-resistance  
*Hanqiu Zheng, Princeton University, US(Abstract#:13-001)*
- 11:30-11:45 Hypoxia-activated pro-drug Evofosfamide exhibits potent tumor suppressive activity and cooperates with chemotherapy against osteosarcoma  
*Vasilios Liapis, University of Adelaide ,Australia(Abstract#:13-002)*
- 11:45-12:00 Wrap-up
- 12:00-13:00 LUNCH & MEET THE EARLY CAREER LEADERSHIP COUNCIL
- 13:00-14:00 MEET THE PROFESSORS  
*Chairperson: Lucia Borriello, University of Southern California, USA  
Sandra Scherer, University of Heidelberg, Germany*
- 8:00-12:00 **Satellite Symposium II (Chinese Young Investigator)**  
**Room: Four Season Hall**  
*Chairperson: Yongzhan Nie , the Fourth Military Medical University  
Xiuwu Bian, Third Military Medical University, China*
- 8:00-8:15 Welcome  
**(Room Dignitary Hall)**
- 8:15-8:45 Cyrus Ghajar, Fred Hutchinson Cancer Center, US(Keynote Talk)  
**(Room Dignitary Hall)**
- GO BACK TO FOUR SEASON HALL**
- 8:45-8:55 Serum microRNA-139-5p is a biomarker of bone metastasis in lung cancer patient  
*Xu Song, Tianjin Medical University General Hospital, China (Abstract#: 01-017)*
- 8:55-9:05 Induction of the Mesenchymal to Epithelial Transition by Demethylation-Activated microRNA-125b is Involved in the Anti-Migration/Invasion Effects of Arsenic Trioxide on Human Chondrosarcoma  
*Xing Bao, Peking University People's Hospital, China(Abstract#: 01-021)*

# Day2, Friday, September16

- 9:05-9:15 The Role of Human Endogenous Retrovirus LTR70-AK124454 in Breast Cancer  
*Jin Xi, Fudan University, China (Abstract#: 01-031)*
- 9:15-9:25 LncRNA uc.134 Represses Hepatocellular Carcinoma Progression by Regulating Hippo-LATS1/YAP Signaling via Inhibition of Ubiquitin-ligase CUL4A  
*Ni Wen, Southern Medical University, China (Abstract#:01-035)*
- 9:25-9:35 Metformin and Arsenic Trioxide Cooperate to Suppress Intrahepatic Cholangiocarcinoma Growth and Invasion via Both AMPK/p38MAPK and mTORC1 Pathways  
*Sunbin Ling, Zhejiang University School of Medicine, China(Abstract#:01-036)*
- 9:35-9:45 Colorectal cancer cell-derived exosomes stimulate type M1 macrophage in pre-metastatic niche  
*Yingkuan Shao, The Second Affiliated Hospital, Zhejiang University School of Medicine, China (Abstract#:04-009)*
- 9:45-9:55 Variable Intra-Tumor Genomic Heterogeneity of Multiple Lesions in Patients With Hepatocellular Carcinoma  
*Ruidong Xue, Peking University, China(Abstract#: 05-004)*
- 9:55-10:25 COFFEE BREAK**
- 10:25-10:35 The secretary phenotype of bleomycin-induced senescent epithelial tumor cells promoted proliferation and migration of associated non-senescent tumor cells  
*Dan Pu, West China Hospital, China (Abstract#: 06-003)*
- 10:35-10:45 Nifuroxazide exerts potent anti-tumor and anti-metastasis activity in melanoma  
*Yongxia Zhu, West China Hospital, China (Abstract#: 09-010)*
- 10:45-10:55 DNA methylation in CTC and ctDNA is a promising marker for early detection of lung cancer metastasis  
*Xiaoming Qiu, West China Hospital, China (Abstract#:11-004)*
- 10:55-11:05 Acetylation of fascin on lysine 471 inhibits growth and motility of esophageal cancer cells by reducing actin binding  
*FaMin Zeng, Shantou University Medical College, China (Abstract#:12-020)*

# Day2, Friday, September16

- 11:05-11:15 COPS3 interacts with Raf-1 promotes metastasis of osteosarcoma via Raf-1/MEK/ERK/RSK signaling  
*Fan Zhang, Peking University , China (Abstract#:12-031)*
- 11:15-12:00 Eli Lilly Speakers
- 12:00-13:00 LUNCH & MEET THE EARLY CAREER LEADERSHIP COUNCIL  
**Room Dignitary Hall**
- 13:00-14:00 MEET THE PROFESSORS  
**Room Dignitary Hall**  
*Chairperson: Lucia Borriello, University of Southern California, USA*  
*Sandra Scherer, University of Heidelberg, Germany*
- 10:00-11:00 CEM Editorial Board Meeting  
**Room: Chamber of Lotus**
- 11:00-13:00 MRS Executive Board Meeting  
**Room: Chamber of Lotus**
- 12:00-18:30 Registration  
**Location: (1)VIP: Lobby of VIP Building**  
**(2)Group and General Participants: Eastern Lobby**
- 14:00-14:15 Opening Remarks  
**Room: Louvre Garden**
  - *Jonathan Sleeman, University of Heidelberg, Germany, President, MRS*
  - *Qinghua Zhou, West China Hospital, China, President, ChMRS*
  - *Yibin Kang, Princeton University, President-Elect, MRS*
- 14:15-15:15 Keynote Lecture  
**Room: Louvre Garden**  
*Chairperson: Yibin Kang, Princeton University ,US*  
  
Latency, Immune Evasion and Outbreak of Metastatic Stem Cells  
*Joan Massagué, Sloan-Kettering Institute, US*

# Day2, Friday, September16

**15:15-16:15** **Topic 1: Heterogeneity and metastatic evolution**

**Room: Louvre Garden**

*Chairperson: Douglas Hurst, University of Alabama, US*

15:15-15:45 Decoding Phenotype Heterogeneity and Transitions in Small Cell Lung Cancer

*Vito Quaranta, Vanderbilt University, US*

15:45-16:15 Single-cell analysis of cancer progression and metastasis

*Devon Lawson, University of California-Irvine, US*

**16:15-16:45** **Coffee Break**

**16:45-18:45** **Topic 2: EMT, CSC and plasticity**

**Room: Louvre Garden**

*Chairperson: Andries Zijlstra, Vanderbilt University, US*

16:45-17:15 EMT in the progression of carcinoma; therapeutic implications

*Jean Paul Thiery, National University of Singapore, Singapore*

17:15-17:45 Regulation of Cell Differentiation by Actin Dynamics and its Application in Cancer Treatment

*Hideyuki Saya, Keio University, Japan*

17:45-18:15 Cancer Stem Cells Interact with Microenvironment to Promote Tumor Invasion and Metastasis

*Xiuwu Bian, Third Military Medical University, China (ChMRS)*

18:15-18:45 Role of integrin-interacting proteins in the control of cancer cell plasticity and metastasis

*Hongquan Zhang, Peking University, China (ChMRS)*

**19:00** **Conference Reception dinner**

**Room: Louvre Garden**

**21:00-22:30** **chMRS Board member's Meeting**

**(Room Four Season Hall)**

# Day3, Saturday, September17

## 8:00-10:00 **Topic 3: Metastasis organotropism** (Room: Louvre Garden)

Chairperson: Conor Lynch, H. Lee Moffitt Cancer Center, US

8:00-8:30 Cancer-associated muscle weakness: What's bone got to do with it  
Theresa Guise, Indiana University, US

8:30-9:00 Elucidating cellular and molecular mechanisms that promote liver metastasis  
Peter Siegel, McGill University, Canada

9:00-9:30 New insights into early-stage bone colonization of disseminated breast cancer cells  
Xiang H.-F. Zhang, Baylor College of Medicine, US

9:30-10:00 GOLM1 Modulates EGFR/RTK Cell-Surface Recycling to Drive Hepatocellular Carcinoma Metastasis  
Lunxiu Qin, Fudan University, China (ChMRS)

## 10:00-10:30 **Coffee Break**

## 10:30-11:30 **Topic 4: Dormancy and DTCs** (Room: Louvre Garden)

Chairperson: Klaus Pantel, University Medical Center, Germany

10:30-11:00 Perivascular regulation of disseminated tumor cell dormancy and chemo-resistance  
Cyrus Ghajar, Fred Hutchinson Cancer Research Center, US

11:00-11:30 The evolution of breast cancer CTCs mediating brain metastasis  
Dario Marchetti, Houston Methodist Research Institute, US

## 11:45-12:45 **Lunch Session: Meet the Journal Editors** (Room: Dignitary Hall)

Chairperson: Yibin Kang and Jonathan Sleeman

- Colleen Brady , Cancer Cell
- Alexia-Ileana Zaromytidou, Nature Cell Biology

## 13:00-17:00 **Concurrent Symposium I (Short talks)** (Room: Dignitary Hall)

Chairperson: Angelina Londono , University of Alabama at Birmingham, US  
Lucia Borriello , Children's Hospital Los Angeles, US



# Day3, Saturday, September17

- 13:00-13:15 GRHL2-miR-200-ZEB1 maintains the epithelial status through transcriptional and epigenetic regulation  
*Ruby YunJu Huang, National University of Singapore (Abstract#:02-008)*
- 13:15-13:30 Ler2-driven senescence induces expression of factors that promote cancer progression and metastasis  
*Lenka Kyjacova, University of Heidelberg, Germany (Abstract#:06-001)*
- 13:30-13:45 Impact of intratumoral clonal heterogeneity on phenotype and drug response  
*Anton Wellstein, Georgetown University Medical School, US (Abstract#:05-011)*
- 13:45-14:00 New insights on how an inflammatory tumor microenvironment promotes invasion and early stage breast cancer metastasis  
*Cheryl Jorcyk, Boise State University, US (Abstract#:08-005)*
- 14:00-14:15 Context-dependent Actions of Heat Shock Factor 1 (HSF1) and Implications for Therapeutic Targeting  
*John Price, Victoria University, China (Abstract#:08-012)*
- 14:15-14:30 Role of osteoblasts in osteolytic bone metastasis of renal cell carcinoma  
*Robert Satcher, MD Anderson Cancer Center, US (Abstract#:12-010)*
- 14:30-14:45 Elucidating the role of ZEB1 in metastatic castration resistant prostate cancer  
*Katrina Sweeney, Queensland University of Technology, Australia (Abstract#:02-016)*
- 14:45-15:00 MACC1 – key player and intervention target in solid cancer metastasis  
*Ulrike Stein, Max-Delbrück-Center for Molecular Medicine, Germany (Abstract#:12-005)*
- 15:00-15:15 Nuclear-mitochondrial crosstalk regulate nuclear DNA methylation and gene expression  
*Danny Welch, Kansas University Medical Center, US (Abstract#:12-003)*
- 15:15-15:45 Coffee Break**
- 15:45-16:00 Development and validation of a clinically relevant mouse model of breast cancer brain metastasis  
*Normand Pouliot, The University of Melbourne, Australia (Abstract#:07-002)*
- 16:00-16:15 The potency of DNA-PKCs phosphorylation mediated by EGFR nuclear translocation as a new target of anti-cancer agent  
*Haruhiko Makino, Tottori University, Japan (Abstract#:14-002)*

# Day3, Saturday, September17

- 16:15-16:30 Dual-specific T cells and oncolytic virus eradicate large solid tumors  
*Clare Y Slaney, Peter MacCallum Cancer Centre, Australia (Abstract#:09-008)*
- 16:30-16:45 Lung Epithelial Cell-Specific Expression of Human Lysosomal Acid Lipase Ameliorates Lung Inflammation and Tumor Metastasis in Ial<sup>-/-</sup> Mice  
*Cong Yan, Indiana University School of Medicine, USA (Abstract#:01-022)*
- 16:45-17:00 The role for GALNT14 in lung metastasis of breast cancer  
*Mi Young Kim, KAIST, South Korea(Abstract#:01-044)*
- 13:00-17:00 Concurrent Symposium II**  
**(Room: Louvre Garden)**  
*Chairperson: Erik W Thompson, University of Melbourne ,Australia*  
*Zhimin Shao, Fudan University , China*
- 13:00-13:30 Epithelial-Mesenchymal Plasticity Status in Circulating Tumor Cells of Breast Cancer Xenograft Models  
*Erik W Thompson, University of Melbourne ,Australia*
- 13:30-14:00 Combination of patient derived xenografts and a modular 3D microenvironment platform technology enable modelling of osteoblastic prostate cancer bone metastasis  
*Elizabeth D. Williams, Queensland University of Technology, Australia*
- 14:00-14:30 Targeting androgen receptor in metastatic prostate cancer  
*Zhou Wang, University of Pittsburgh Cancer Institute, US*
- 14:30-14:50 Comprehensive transcriptome analyses identify novel molecular subtypes and an integrated mRNA-lncRNA signature in triple-negative breast cancer  
*Zhimin Shao, Fudan Zhimin Shao, Fudan University , China University , China*
- 14:50-15:10 The regulation of metastasis for nasopharyngeal carcinoma  
*Tiebang Kang, Sun Yat-sen University Cancer Center , China(Abstract#:02-026)*
- 15:10-15:20 Coffee Break**  
*Chairperson: Elizabeth D. Williams, University of Melbourne ,Australia*  
*Zhou Wang, University of Pittsburgh Cancer Institute, US*
- 15:20-15:40 Function and mechanism of STAT3 $\beta$  in esophageal squamous cell carcinoma  
*Enmin Li, Shantou University Medical College, China (Abstract#:07-015)*

# Day3, Saturday, September17

- 15:40-16:00 SMYD3-recruited lncRNA EZR-AS1 maintains overexpression of EZR in ESCC cells  
*LiYan Xu, Shantou University Medical College, China (Abstract#:01-026)*
- 16:00-16:20 Interaction of prostate cancer cells with microenvironment promotes tumor cells dissemination via Akt/AMPK $\alpha$ /mTOR pathway  
*Yi Lu, Guangxi Medical University, China (Abstract#:03-004)*
- 16:20-16:40 PD 0332991, a selective cyclin D kinase 4/6 inhibitor, sensitizes lung cancer cells to killing by EGFR TKIs  
*Jun Chen, Tianjin Medical University General Hospital, China (Abstract#:09-013)*
- 16:40-17:00 MiR-26a enhances metastasis potential of lung cancer cells  
*Ke Xu, Tianjin Medical University General Hospital, China (Abstract#:01-043)*
- 13:00-17:00 Concurrent Symposium III (Short talks)**  
**(Room: Four Season Hall)**  
*Chairperson: kang Tiebang, Sun Yat-sen University Cancer Center, China*  
*Jun Chen, Tianjin Medical University General Hospital, China*
- 13:00-13:12 miRNA-663 suppresses glioma cell invasion and has prognostic and therapeutic value for glioblastoma  
*Yu Shi, The Third Military Medical University, China (Abstract#:01-019)*
- 13:12-13:24 The expression of PANDA, lincRNA-p21, PUMA in lung tissues of lung cancer patients in Xuanwei area of Yunnan Province  
*Runxiang Yang, The Third Affiliated Hospital of Kunming Medical University, China (Abstract#: 01-034)*
- 13:24-13:36 POU2F2-oriented network promotes human gastric cancer metastasis  
*Xiangyuan Zhang, Fourth Military Medical University, China (Abstract#:01-038)*
- 13:36-13:48 The expression of KPNA2 in Chinese radical prostatectomy and its underlying mechanisms in prostate cancer  
*Shaojing Du, Peking University Health Science Center, China (Abstract#:02-013)*
- 13:48-14:00 Dysregulation of NPTN-IT1/NF90 axis by TGF $\beta$ 1 induces stemness of bladder cancer cells and tumor recurrence  
*Yan Jun, Nanjing University, China (Abstract#:02-014)*

# Day3, Saturday, September17

- 14:00-14:12 Effects of Nanog on endothelial cells promoting stem-like phenotype of CD133 negative glioma cells  
*Mengsi zhang, Third Military Medical University, China (Abstract#:02-019)*
- 14:12-14:24 MiR-20a/106a mediated WTX loss promotes CRC liver metastasis through CDC42 dependent cytoskeleton dynamics regulation  
*Qingling Zhang, Southern Medical University, China (Abstract#:05-008)*
- 14:24-14:36 Cerebrospinal fluid of the non-small cell lung cancer patients with leptomeningeal metastasis is a valuable liquid biopsy tissue used for detecting EGFR mutations  
*Yan Xu, Peking Union Medical College Hospital, China (Abstract#:07-009)*
- 14:36-14:48 Crucial roles of RSK in cell motility by catalyzing Ser-897 phosphorylation of EphA2  
*Yue Zhou, Shanghai University of Traditional Chinese Medicine, China (Abstract#:08-006)*
- 14:48-15:00 CD4+Foxp3+ regulatory T cells promote tumor growth and metastasis by the enhancement of tumor-associated macrophages polarization in Lewis lung cancer mice  
*Jinyan Wang, China Medical University, China (Abstract#: 08-017)*
- 15:00-15:32 Coffee Break**
- 15:32-15:44 Histone demethylase JMJD2D promotes colorectal cancer metastasis by enhancing glycolysis through co-activation of HIF1 $\alpha$   
*Kesong Peng, Xiamen University, China (Abstract#:12-016)*
- 15:44-15:56 A Unique Genetic Prediction Model for Postoperative Survival in Hepatocellular Carcinoma Patients  
*Qiongzhu Dong, Fudan University, China (Abstract#:12-017)*
- 15:56-16:08 Kisspeptin-10 Inhibits Bone Metastasis and Bone Destruction in Breast Cancer Through Recruitment and Activation of Phosphatase PP2A via GPR54(KISS1R)  
*Zhenxi Li, Second Military Medical University, China (Abstract#:13-008)*
- 16:08-16:20 Establishment and validation of human cancer cells with Cas9 stable expression  
*Xiaocui Bian, Peking Union Medical College, China (Abstract#:14-006)*
- 16:20-16:32 Neuraxis Metastasis from Central Nervous System Tumors: A study of clinical features in 130 cases from a single center  
*Mingshan Zhang, Capital Medical University, China (Abstract#:14-009)*

# Day3, Saturday, September17

- 16:32-16:48    MiR-148a suppresses cell invasion by inhibiting C-MET and MAP2K1 in non-small cell lung cancer.  
*Yang Li, Tianjin Medical University General Hospital, China (Abstract#:01-041)*
- 16:48-17:00    Clinical analysis of thoracoscopic pleural biopsy and carbon fixation in the treatment of refractory malignant pleural effusion  
*Wenqing Chen, Jilin Province Cancer Hospital, China (Abstract#:13-011)*
- 17:30-19:00    Poster Session I**  
***(Room: JinJiang Hall)***
- 19:30-21:00    chMRS Young Member Election Meeting**  
***(Room: Four Season Hall)***
- 19:30-21:00    Editorial Board Meeting(Thoracic Cancer) (Chinese Journal of Lung Cancer)**  
***(Room: Dignitary Hall)***

# Day4, Sunday, September18

**8:30-9:30**      **Opening ceremony with attendance of Sichuan and Chengdu government officials**  
**Check-in: 7:30-8:20**  
**(Location: JingJiang Auditorium)**  
**Group photo**  
**(Location: Stair at the Front Gate of JingJiang Auditorium)**

**9:30-11:00**      **Topic 5: Liquid Biopsy: Circulating tumor cells vs. ctDNA**  
**Room: Louvre Garden**  
*Chairperson: Klaus Pantel, University Medical Center, Germany*

9:30-10:00      Liquid Biopsy: Blood-based detection and characterization of circulating tumor cells and circulating nucleic acids  
*Klaus Pantel, University Medical Center, Germany*

10:00-10:30      Detection, characterization and ex vivo expansion of viable circulating tumor cells  
*Catherine Alix-Panabieres, University Institute of Clinical Research, France*

10:30-11:00      Liquid biopsies as non-invasive tool to monitor tumor genomes  
*Michael Speicher, Medical University of Graz, Austria*

**11:00-13:00**      **Topic 6: Stress, inflammation, and immune regulation of metastasis**  
**Room: Louvre Garden**  
*Chairperson: Robin Anderson, Peter MacCallum Cancer Centre, Australia*

11:00-11:30      The Immune System: A Double-Edged Sword in Metastatic Breast Cancer  
*Karin de Visser, Netherlands Cancer Institute, Netherlands*

11:30-12:00      Innate sensors in cancer progression and immunotherapy  
*Xuetao Cao, Chinese Academy of Medical Sciences, China*

12:30-13:00      Cellular senescence, the tumor microenvironment and cancer metastasis  
*Judith Campisi, Buck Institute for Research in Aging, US*

**12:30-13:30**      **Lunch Session: Patient Advocates Round-Table Forum**  
**(Room: Dignitary Hall)**  
*Chairperson: Irwin Gelman, Rosewell Park Cancer Institute, US*

**13:30-14:15**      **Kurt Hellmann Award Lecture**  
**Room: Louvre Garden**  
*Chairperson: Qinghua Zhou, West China Hospital, China*

# Day4, Sunday, September18

Brain Metastasis of Breast Cancer  
*Patricia Steeg, National Cancer Institute, USA*

## 14:15-15:15 **Topic 7: Advanced imaging in metastasis research and treatment**

**Room: Louvre Garden**

*Chairperson: Rajeev Samant (University of Alabama, US)*

14:15-14:45 Illuminating Cancer Systems with Imaging Reporters: p53 deficiency and metastatic potential in PDX models of triple negative breast  
*David Piwnica-Worms, M.D. Anderson Cancer Center, US*

14:45-15:15 Plasticity of cancer invasion and metastasis  
*Peter Friedl, M.D. Anderson Cancer Center, US*

## 15:15-15:45 **Coffee Break**

## 15:45-17:15 **Topic 8: Immunotherapy, targeted therapies and drug development**

**Room: Louvre Garden**

*Chairperson: Kazuyuki Itoh, Osaka Medical Center, Japan*

15:45-16:15 Pathways Controlling Response and Resistance to Immune Checkpoint Blockade for Cancer  
*Andy Minn, University of Pennsylvania, US*

16:15-16:45 The enhancement of chimeric antigen receptor (CAR) T cell therapy for treating solid tumors  
*Clare Slaney, Peter MacCallum Cancer Centre, Australia*

16:45-17:15 Translational medicine of lung cancer metastasis: from bench to bedside  
*Qinghua Zhou, West China Hospital, Sichuan University, China, ChMRS*

## 17:15-19:15 **Poster Session II**

**(Room: Jinjiang Hall)**

## 19:15 **Invited Speaker Dinner**

**(Location: Garden Restaurant at 9 Floor)**

# Day 5, Monday, September 19

- 8:00-10:00**     **Topic 9: Exosomes and other vesicles in metastasis**  
**Room: Louvre Garden**  
*Chairperson: Thomas Cox, University of Copenhagen, Denmark*
- 8:00-8:30     Tumor exosomes promote organotropic metastasis  
*David Lyden, Weil Cornell Medical College, US*
- 8:30-9:00     Large Oncosomes: New Frontiers for Intercellular Communication in Cancer  
*Dolores Di Vizio, Cedars-Sinai, US*
- 9:00-9:30     Autocrine role of exosomes in migration and invasion  
*Alissa Weaver, Vanderbilt University, US*
- 9:30-10:00     Exosome-derived microRNAs contribute to prostate cancer chemo-resistance  
*Jian Zhang, Guangxi Medical University, China, ChMRS*
- 10:00-10:30**     **Coffee Break**
- 10:30-12:30**     **Topic 10: Non-coding RNAs and other regulators in metastasis**  
**Room: Louvre Garden**  
*Chairperson: Barbara Fingleton, Vanderbilt University, US*
- 10:30-11:00     Regulation of Tumor Metastasis and Radioresistance by MicroRNAs and Their Targets  
*Li Ma, M.D. Anderson Cancer Center, US*
- 11:00-11:30     Noncoding RNA regulates breast cancer metastasis  
*Erwei Song, Sun Yat-sen Memorial Hospital, China (ChMRS)*
- 11:30-12:00     Competitive lncRNA Pair Controls Cancer Metastasis by Regulating EphrinA1 Translation  
*Tianhua Zhou, Zhejiang University, China*
- 12:00-12:30     Macrophage signaling cascade determines breast cancer distal metastasis  
*BinZhi Qian, University of Edinburgh, UK*
- 12:30-14:30**     **Lunch Session: MRS Annual General Membership Meeting**  
**Room: Four Season Hall**
- 14:30-15:10**     **ECAM-selected speaker**  
**Room: Louvre Garden**  
*Chairperson: Lalita Shevde-Samant, University of Alabama, USA*



# Day5, Monday, September19

Blocking breast cancer metastasis by targeting synergistic interactions between tumor and host

*Alana Welm, Huntsman Cancer Institute, US*

**15:10-15:55 Fidler Innovation Award Lecture**

**Room: Louvre Garden**

*Chairperson: Yibin Kang, Princeton University, US*

Combating Cancer Metastasis: Devising Innovative Therapeutic/ Diagnostic Strategies Based on Novel Biological Insights

*Dihua Yu, M.D. Anderson Cancer Center, US*

**15:55-16:25 Coffee Break**

**16:25-17:10 MRS Young Investigator Award**

**Room: Louvre Garden**

*Chairperson: Jonathan Sleeman, University of Heidelberg, Germany*

Epithelial-Mesenchymal Plasticity in Carcinoma Metastasis

*Jing Yang, University of California, San Diego, US*

**17:10-17:25 Poster Awards**

**Room: Louvre Garden**

*Chairperson: Qinghua Zhou, West China Hospital, Sichuan University*

**17:25-17:40 Closing Remarks**

**Room: Louvre Garden**

- *Yibin Kang, Princeton University, US*
- *Qinghua Zhou, West China Hospital, Sichuan University*

**18:30 Conference Banquet**

**(Location: Louvre Garden)**