Current as of October 19, 2022

Short Talks Selected from Proffered Abstracts

Metabolic Adaptations during Metastasis

PR001 Codon-bias and tRNA modifications as drivers of melanoma metastasis. Elena Piskounova. Weill Cornell Medicine, New York, NY, USA.

PR002 Identification of metabolic adaptation mechanisms that drive anoikis suppression and metastasis in Ewing sarcoma. Poul Sorensen. University of British Columbia, Vancouver, BC, Canada.

Epigenetic Plasticity and Metastasis

PR003 OXPHOS impairing mitochondrial DNA mutations suppress melanoma growth and metastatic progression. Spencer Shelton. UT Southwestern Medical Center, Dallas, TX, USA.

PR004 Mechanistic basis for TGF-β-induced fibrogenic EMTs in metastasis. Jun Ho Lee. Memorial Sloan Kettering Cancer Center, New York, NY, USA.

Other

PR005 Deep learning-based multimodal integration of histology and genomics improves cancer origin prediction. Drew Williamson. Massachusetts General Hospital, Department of Pathology, Boston, MA, USA.

Routes of Metastasis

PR006 Fluid shear stress enhances the metastatic potential and rapidly alters metabolism of circulating tumor cells. Amanda Pope. University of Iowa, Iowa City, IA, USA.

Genomic Changes in Metastatic Tumors

PR007 Comprehensive ctDNA profiling reveals potential metastatic genomic signatures in treatment-naive early-stage breast cancer patients. Gowhar Shafi. One Cell Dx, Cupertino, CA, USA.

PR008 Timing complex copy number gains in whole genome duplicated tumors. Toby Baker. The Francis Crick Institute, London, United Kingdom.

PR009 Integrative pan-cancer genomic and transcriptomic analyses of refractory metastatic cancer. Sergey Nikolaev. INSERM U981, Gustave Roussy Cancer Campus, Universite Paris Saclay, Villejuif, France.

Microenvironment and Metastasis

PR010 Multiplex imaging reveals features of organotropism in pancreatic ductal adenocarcinoma. Jennifer Eng. OHSU, Portland, OR, USA.

Routes of Metastasis

PR011 The glutathione S-transferase, Gstt1 is a robust driver of survival and dissemination in metastases. Christina Ferrer. University of Maryland School of Medicine, Baltimore, MD, USA.

PR012 A novel, immune-competent,Myc-dependent murine model of rapid metastatic recurrence of pancreatic cancer after resection. Patrick Worth. OHSU, Portland, OR, USA.

Microenvironment and Metastasis

PR013 Lymph node colonization promotes distant tumor metastasis through the induction of tumor-specific immune tolerance. Nathan Reticker-Flynn. Stanford University, Palo Alto, CA, USA.

Epigenetic Plasticity and Metastasis

PR014 Cytokine mediated epigenetic reprograming of CRC primary tumors drives liver metastasis. Jonathan Rennhack. Dana Farber Cancer Institute, Boston, MA, USA.

Dormancy and Overcoming Dormancy

PR015 Dormant mammary tumors persist long-term despite adaptive immunity by establishing a Treg-dominated niche via DKK3. Timothy Trotter. Duke University, Durham, NC, USA.

Microenvironment and Metastasis

PR016 Carcinoma-associated mesenchymal stem cells promote ovarian cancer metastasis by increasing tumor heterogeneity through direct mitochondrial transfer. Leonard Frisbie. University of Pittsburgh, Pittsburgh, PA, USA.

Metabolic Adaptations during Metastasis

PR017 Differences in melanoma lipid metabolism among distinct metastatic sites. Thomas Mathews. University of Texas Southwestern Medical Center, Dallas, TX, USA.

Signaling and Genetic Instability

PR018 Neuropeptide Y as a metastatic factor. Joanna Kitlinska. Georgetown University, Washington, DC, USA.