Trainee Research Day | May 16, 2018

ORAL COMPETITION WINNERS

Of the nearly 130 abstracts submitted, below are the 19 postdoctoral fellows, clinical residents and clinical fellows whose abstracts were selected to compete in the Oral Competition segment of Trainee Research Day. Each presenter was limited to an eight-minute presentation and four minutes of Q&A by a panel of faculty and trainees.

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Position</th>
<th>Name</th>
<th>Mentor</th>
<th>Presentation Title</th>
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<tr>
<td>AMGEN Award in Basic Science Research</td>
<td>1st</td>
<td>Stephen Mok, PhD</td>
<td>James P. Allison, PhD</td>
<td>Effects of Anti-CTLA-4 and Anti-PD-1 on Memory T-cell Differentiation and Resistance to Tumor Relapse</td>
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<td></td>
<td>2nd</td>
<td>Jianfeng Shen, PhD</td>
<td>Guang Peng, PhD</td>
<td>ARID1A Deficiency Promotes Mutability and Potentiates Therapeutic Antitumor Immunity Unleashed by Immune Checkpoint Blockade</td>
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<td>3rd</td>
<td>Tara H.W. Dobson, PhD</td>
<td>Vidya Gopalakrishnan, PhD</td>
<td>Repressive Chromatin Remodelers in SHH-Driven Medulloblastoma</td>
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<td>4th</td>
<td>Na Niu, MD, PhD</td>
<td>Jinsong Liu, MD, PhD</td>
<td>Amitotic Division of Polyploidy Giant Cancer Cells: A New Mechanism for Acquired Drug Resistance</td>
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<td>Bayer Award in Clinical Research</td>
<td>1st</td>
<td>Lauren Colbert, MD</td>
<td>Ann H. Klopp, MD, PhD</td>
<td>Response to Radiation Treatment in Cervical Cancer is Associated with Clonal Expansion of Antigen Specific T-cells and the Cervical Cancer Microbiota</td>
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<td>2nd</td>
<td>Huakang Tu, MD, PhD</td>
<td>Xifeng Wu, MD, PhD</td>
<td>Is Folic Acid Safe for Non-Muscle-Invasive Bladder Cancer Patients?</td>
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<td>3rd</td>
<td>Clinton Yam, MD (via Webex)</td>
<td>Stacy L. Moulder, MD</td>
<td>Impact of Metaplastic Histology in Triple-Negative Breast Cancer Patients Receiving Neoadjuvant Systemic Therapy</td>
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<td>4th</td>
<td>Karine Al Feghali, MD</td>
<td>Caroline Chung, MD</td>
<td>Interplay of Age and Performance Status on Patterns of Care and Outcomes in Elderly Patients with Glioblastoma: A National Cancer Database Analysis</td>
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</table>
**Bayer Award in Translational Research**

1st  Jacqulyne Robichaux, PhD  
   *Mentor: John Heymach, MD, PhD*  
   Mechanisms and Clinical Activity of an EGFR/HER2 Exon 20-Selective Kinase Inhibitor in Non-Small Cell Lung Cancer

2nd  Nicole Kettner, PhD  
   *Mentor: Khandan Keyomarsi, PhD*  
   Palbociclib Resistant Breast Cancer Cells are Sensitized to Inhibition of DNA Repair and Cancer Stem Cell Pathways

3rd  Miriam Morrell, DO  
   *Mentor: Keri Schadler, PhD*  
   Tumor Vessel Normalization After Aerobic Exercise Enhances Therapeutic Efficacy in Ewing Sarcoma

4th  Ruli Gao, PhD  
   *Mentor: Nicholas Navin, PhD*  
   Chemoresistance Evolution in Triple-Negative Breast Cancer Delineated by Single Cell Sequencing

**Bristol-Myers Award in Population Science**

1st  Monica Reyes, PhD  
   *Mentor: Michelle A.T. Hildebrandt, PhD*  
   Doxorubicin-Induced Cardiotoxicity in iPSC-Cardiomyocytes: Altered Mitochondrial Gene Expression and Function

2nd  Andrew Lee, MD, PhD  
   *Mentor: Ching-Wei Tzeng, MD*  
   Is Early-Stage Pancreatic Adenocarcinoma Truly Early: Stage Migration on Final Pathology with Surgery-First vs. Neoadjuvant Therapy Sequencing

3rd  Robert Dood, MD  
   *Mentor: Anil Sood, MD*  
   Defining Survivorship Trajectories Across Patients with Solid Tumors: An Evidence-Based Approach

4th  Nathan Parker, PhD  
   *Mentor: Matthew Katz, MD*  
   Physical Activity is Associated with Improved Quality of Life and Functional Fitness Among Patients Receiving Preoperative Therapy for Pancreatic Cancer

**AMGEN Award in Quality Improvement Research**

(3 participants only)

1st  Ko Un Clara Park, MD  
   *Mentor: Sarah DeSnyder, MD*  
   Opioid Prescriptions After Breast Cancer Surgery: Perception and Reality

2nd  Woo J. Chi, DDS  
   *Mentor: Mark Chambers, DMD*  
   Development of a Dental Laboratory Standard Operating Procedure at MDACC Oral Oncology Clinic
Samantha Tam, MD
Mentor: Randal Weber, MD

The Effect of Facility Volume on Treatment Guideline Compliance and Overall Survival in Oral Tongue Squamous Cell Carcinoma