



# INSTITUTE OF MEDICINE

OF THE NATIONAL ACADEMIES

## The Role of Clinical Studies for Pets with Naturally Occurring Tumors in Translational Cancer Research: A Workshop

Keck Center of the National Academy of Sciences, 500 Fifth St. NW  
Washington, DC

**June 8th, 2015**

<b>June 8th, 2015</b>	
<b>7:30 am</b>	<b>Registration and Breakfast</b>
<b>8:00 am</b>	<b>Welcome from the National Cancer Policy Forum</b> <b>Overview of the Workshop</b> Michael Kastan (Duke) <i>Planning Committee Chair</i>
<b>8:15</b>	<b>Session 1: Overview and value of trials that include pets in translational cancer research</b> <b>Moderator:</b> Michael Kastan, Duke University  <i>Overview of current challenges and opportunities in oncology drug development</i> <b>Lee Helman, National Cancer Institute</b>  <i>Strengths and limitations of traditional pre-clinical models</i> <b>Beverly Teicher, National Cancer Institute</b>  <i>Advantages and experiences with trials that include animal patients</i> <b>Chand Khanna, National Cancer Institute</b>  <b>Group Discussion</b>
<b>10:10</b>	<b>Break</b>
<b>10:20</b>	<b>Session 2: Canine tumor biology and genomics informing cancer drug development</b> <b>Moderator:</b> Deborah Knapp, Purdue University  <i>The current state of canine tumor genetics and scientific limitations</i> <b>Heidi Parker, National Institutes of Health/National Human Genome Research Institute</b>  <i>Use and availability of canine cancer tissue banks in translational research</i> <b>Matthew Breen, North Carolina State University</b>  <i>Genomic resources for canine cancer research</i> <b>Jessica Alföldi, Broad Institute of MIT and Harvard</b>  <i>Biology and informatics needs</i> <b>Jeff Trent, TGEN</b>  <b>Group Discussion</b>
<b>12:15 pm</b>	<b>Lunch Break</b>
<b>1:00 pm</b>	<b>Session 3: Effectively integrating biomarkers into study designs</b> <b>Moderator:</b> Carl Barrett, AstraZeneca  <i>Opportunities for preclinical evaluation of novel therapies</i> <b>Timothy Fan, University of Illinois at Urbana-Champaign</b>  <i>PK assessment</i> <b>Dan Gustafson, Colorado State University</b>  <i>PD and potential predictive biomarkers</i> <b>Doug Thamm, Colorado State University</b>  <b>Group Discussion</b>
<b>2:30 pm</b>	<b>Session 4: Effectively integrating imaging technologies into study designs</b> <b>Moderator:</b> Peter Choyke, National Cancer Institute  <i>Role of trials that include pets in the development of new imaging modalities</i> <b>Peter Choyke, National Cancer Institute</b>

	<i>MRI spectroscopy</i> <b>Mark Dewhirst, Duke University</b>  <b>Group Discussion</b>
<b>3:30 pm</b>	<b>Break</b>
<b>3:45 pm</b>	<b>Session 5: Mechanisms for Comparative Oncology Trials</b> <b>Moderator:</b> Lou DeGennaro, Leukemia and Lymphoma Society  <i>Single-institution studies</i> <b>Cheryl London, Ohio State University</b>  <i>Multi-institution studies</i> <b>Amy LeBlanc, National Cancer Institute</b>  <b>Group Discussion</b>
<b>4:45 pm</b>	<b>Wrap up Day 1</b>
<b>5:15 pm</b>	<b>Reception – 3<sup>rd</sup> Floor Atrium</b>
<b>June 9th, 2015</b>	
<b>7:30 am</b>	<b>Registration and Breakfast</b>
<b>8:00 am</b>	<b>Session 6: Addressing the needs of pet animals and their owners</b> <b>Moderator:</b> Michael Lairmore, University of California—Davis  <i>Trial design and appropriate oversight</i> <b>David Vail , University of Wisconsin</b>  <i>Best-practices for conduct of clinical trial for animal patients</i> <b>Rod Page, Colorado State University</b> <b>Patricia Olson, Independent Advisor on Animal Health/Welfare</b>  <b>Group Discussion</b>
<b>9:45 am</b>	<b>Break</b>
<b>10:00 am</b>	<b>Session 7: The status of comparative oncology in drug development</b> <b>Moderator:</b> Perry Nisen, Sanford-Burnham Research Institute  <i>Panelists:</i> <b>Anne Keane, Achaogen</b> <b>Wendy Levin, MEI Pharma</b> <b>Daniel Tumas, Gilead Sciences, Inc.</b> <b>John Leighton, Food and Drug Administration</b>  <b>Group Discussion</b>
<b>11:30 pm</b>	<b>Workshop Wrap Up—Deborah Knapp, Purdue University &amp; Len Lichtenfeld, American Cancer Society</b>
<b>12:00 pm</b>	<b>Adjourn</b>