



# THE FUTURE OF PRECISION CANCER MEDICINE

DECEMBER 13, 2018

MIT Samberg Conference Center, 7th Floor  
50 Memorial Dr, Cambridge, MA 02142

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## AGENDA

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- 8:00 am**     **Registration and Breakfast**
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- 8:45 am**     **OPENING REMARKS**  
Michael Yaffe, MD, PhD | MIT's Koch Institute
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- 9:00 am**     **KEYNOTE ADDRESS**  
**Charles L. Sawyers, MD** | Memorial Sloan  
Kettering Cancer Center  
*Lineage Plasticity in Prostate Cancer*
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- 9:45 am**     **Alice T. Shaw, MD, PhD** | Massachusetts General Hospital  
*Evolution of Drug Resistance in Oncogene-Driven  
Lung Cancer*
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- 10:25 am**     **Networking Break**
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- 10:45 am**     **Richard Marais, PhD** | Cancer Research UK,  
Manchester Institute  
*Precision Medicine in Melanoma: Are We There Yet?*
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- 11:25 am**     **Matthew Vander Heiden, MD, PhD** | MIT's Koch Institute  
*Targeting Metabolism in Cancer*
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- 12:05 pm**     **Box Lunch Pickup**

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- 12:30 pm**     **INDUSTRY PANEL**  
*Barriers to Instituting Precision Medicine Into  
Clinical Trials*  
**Moderator**  
**Angela Koehler, PhD** | MIT's Koch Institute  
**Panelists**  
**Peter Hammerman, MD, PhD** | Novartis Institutes  
for BioMedical Research  
**Steffan N. Ho, MD, PhD** | Pfizer  
**Shiva Malek, PhD** | Genentech, Inc.  
**Kevin Marks, PhD** | Agios Pharmaceuticals  
**S. Michael Rothenberg, MD, PhD** | Loxo Oncology, Inc.
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- 2:00 pm**     **J. Christopher Love, PhD** | MIT's Koch Institute  
*Advancing Technologies for Discovery and  
Production in Precision Medicine*
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- 2:40 pm**     **Andrea Califano, PhD** | Columbia University  
*A Mechanistic Framework for the Systematic  
Pharmacological Targeting of Non-Oncogene  
Dependencies: Towards a More "Precise"  
Implementation of Precision Oncology*
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- 3:20 pm**     **Networking Break**
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- 3:40 pm**     **Jean Zhao, PhD** | Dana-Farber Cancer Institute  
*Integrating Immunotherapy and Targeted  
Therapies in Cancer Treatment: From Mouse  
Models to Human Therapies*
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- 4:20 pm**     **Kenna Mills Shaw, PhD** | MD Anderson Cancer Center  
*Precision Cancer Medicine: Neither Silver Bullet  
Nor an Illusion*
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- 5:00 pm**     **Michael Yaffe, MD, PhD** | MIT's Koch Institute  
*Using Systems Biology of Mitotic and DNA-damage  
Signaling to Improve Cancer Treatment*
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