

TS21



## Tucson Symposium Virtual

### *Innovations in Cancer Science and Diagnostics*

April 20, 2021—April 22, 2021

#### AGENDA

*(subject to change)*

Tuesday, April 20

All times are Arizona  
(-0:700 GMT)

7:00 am Tucson Symposium Welcome and Remarks

**Session 1** *Translational Discoveries Driving the Future of Cancer Care*

7:10 am Session Introduction  
7:15 am *c-Myc and Cancer*  
Gerard Evan, PhD  
University of Cambridge

7:35 am *Tumor Educated Platelets*  
Thomas Wurdinger, PhD  
VUmc Cancer Center Amsterdam

7:55 am *Unraveling the Role of the Microbiome in Colorectal Cancer*  
Philip Quirke, MD, PhD  
Leeds Institute of Cancer and Pathology

8:15am Panel discussion Q&A/Session close

8:45 am Break

9:00 am *Keynote Introduction*

9:05 am *Tom Grogan Honorary Keynote Lecture: Longitudinal Learning from Serial Measurements of Molecular and Architectural Responses to Treatment (SMMART)*  
Joe Gray, PhD  
Oregon Health & Science University

9:35 am Q&A

9:45 am Break

**Session 2** *Novel Tools and Trends in Surgical Pathology*

10:00 am Session Introduction

10:05 am *New Tools in the Analysis of Cancer Biopsies*  
Chris Corless, MD, PhD  
Oregon Health & Science University

10:25 am *Ensuring Molecular Integrity of Cancer Patient Biospecimens for Precision Medicine*  
Carolyn Compton, MD, PhD  
Mayo Clinic Arizona  
Arizona State University

- 10:45 am *Clinical Grade Computational Pathology AI*  
Thomas Fuchs, PhD  
Paige
- 11:05 am Panel discussion Q&A/Session close
- 11:35 am Adjourn Day 1
- 11:45 am **Poster Session**
- 1:15 pm **Poster Session concludes**

## Wednesday, April 21

- 7:00 am Tucson Symposium Welcome
- Session 3** **Next Generation Bio-technology Advances in Histology**
- 7:10 am **Session Introduction**
- 7:15 am *Virtual Staining of Tissue Using Deep Learning*  
Aydogan Ozcan, PhD  
University of California - Los Angeles
- 7:35 am *3-D Bio-printing*  
Y. Shrike Zhang, PhD  
Harvard Medical School
- 7:55 am *Light-Sheet Microscopy for 3D Pathology*  
Nicholas Reder, MD, MPH  
University of Washington/Harborview Medical Center
- 8:15 am Panel discussion Q&A/Session close
- 8:45 am Break
- 9:00 am **Keynote Introduction**
- 9:05 am **Ray Tubbs Memorial Keynote Lecture:**  
*Advances in Targeted Therapies and Diagnostics in NSCLC*  
Alice Shaw, MD, PhD  
Massachusetts General Hospital
- 9:35 am Q&A
- 9:45 am Break
- Session 4** **Adjacent Discoveries**
- 10:00 am **Session Introduction**
- 10:05 am *Using Radiation to Overcome Immunotherapy Resistance*  
James Welsh, MD  
The University of Texas MD Anderson Cancer Center
- 10:25 am *The Pathology of Parkinson's Disease and the Future Role of Diagnostics*  
Tom Beach, MD, PhD  
Banner Sun Health Research Institute
- 10:45 am *Stimulated Raman Scattering (SRS)*  
Chris Freudiger  
Invenio Imaging
- 11:05 am Panel discussion Q&A/Session close
- 11:35 am Adjourn day 2

## Thursday, April 22

- 7:00 am Tucson Symposium Welcome
- Session 5** **Unraveling Cancer Immunotherapy: Mechanisms of Responsiveness and Resistance**
- 7:10 am **Session Introduction**

- 7:15 am *Tumor Immunology*  
Thomas Gajewski, MD, PhD  
University of Chicago
- 7:35 am *Understanding Tumor-resistant Dendritic Cells*  
Stefani Spranger, PhD  
Koch Institute/MIT
- 7:55 am *Mechanisms of Responsiveness and Resistance*  
Christian Blank, MD, PhD  
Netherlands Cancer Institute
- 8:15 am Panel discussion Q&A/Session close
- 8:45 am Break
- Session 6** **Cancer Evolution: Immune Evasion and Metastases**
- 8:55 am Session Introduction
- 9:00 am *TRACERx: An Overview*  
Charles Swanton, MD, PhD  
The Francis Crick Institute
- 9:20 am *Exploring T-cell Exhaustion in NSCLC Evolution*  
Sergio Quezada, PhD  
University College London Cancer Institute
- 9:40 am *The Interplay of Lung Cancer and T Cell Receptor  
Repertoire Clonal Evolution from TRACERx*  
Benny Chain  
University College London Cancer Institute
- 10:00 am Panel discussion Q&A/Session close
- 10:30 am Break
- Session 7** **The Intratumoral Immune Response**
- 10:40 am Session Introduction
- 10:45 am *Determinants of the Intratumoral Immune Response*  
Matthew "Max" Krummel, PhD  
University of California - San Francisco
- 11:05 am *Patient-derived Models of Breast Cancer and  
Precision Oncology*  
Bryan Welm, PhD  
University of Utah/Huntsman Cancer Institute
- 11:25 am *Immunogenic Cell Death as a Component of Cancer  
Immunotherapy*  
Andrew Oberst, PhD  
University of Washington/Department of  
Immunology
- 11:45 am Panel discussion Q&A/Session close
- 12:15 pm Tucson Symposium Closing