

SWOG Plenary I
Translational Medicine
*Science as the Foundation for Rapid and
Meaningful Advances in Oncology*

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Thanks to James Rae, PhD (AKA J.R.)

SWOG Executive Officer, Translational Medicine

Presenter Disclosure Information

Lee Ellis, MD, FASCO: No Disclosures

David J. McConkey, PhD: Consultant for Janssen and Rainier Pharmaceuticals; Research Grant from AstraZeneca and Rainier Pharmaceuticals

Elise C. Kohn, MD: No Disclosures

Alex A. Adjei, MD, PhD: No Disclosures

SWOG Biospecimen Bank Productivity

Data urgently needed for the SWOG Biospecimen Bank grant renewal

Provide a list of the following from 4/1/2015 through ~12/2019

- Publications and abstracts
- Products and patents produced

*If specimens were **routed through** or **received from** the SWOG Biospecimen Bank (at Nationwide Children's in Columbus, OH), or the previous SWOG Banks (prior to 2011)*

For questions regarding the involvement of the SWOG Biospecimen Bank in specimens used for specific studies, contact Nilsa.Ramirez@nationwidechildrens.org

Quick Overview of Translational Medicine at SWOG

**Thanks to the NCI, the Hope Foundation for
Cancer Research for support on innumerable
initiatives!**

- Nikolaus Schultz, Ph.D., *Kravis Center for Molecular Oncology Fall 2018*
 - Machine learning/AI?
 - “Someone to present who can communicate new technology to MDs”
 - Please send any ideas/requests for speakers or workshops to me via email.
- ITSC
 - In transition as we learn more about what the NCI/CTEP wants from the ITSC
 - Meeting with Ed Liu, JAX tomorrow morning



JAX™ Webinar - Video Recording & Presentation Slides

Thank you for your interest in the JAX™ Webinar titled:

Predictive Cancer Models Using Patient-derived Xenograft Mice

Please find below web links to the video recording and the slides for this webinar presentation to review at your own convenience:

[Watch the webinar recording](#)

[View the presentation slides](#)



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On-Demand Series

Posted 04/22/2019

Webinar: De-Risk Therapeutic Antibody Drug Development Using Humanized FcRn Mice

Posted 06/26/2018

Onco-Hu® Mouse Models for Cancer Immunotherapy Research Explained

Posted 06/18/2018

Webinar: Advanced Cre-lox: Generating Reporters, Inducible Mice, and Disease Models

Posted 06/18/2018

Webinar: Caring for Immunodeficient Mice - from Nude to NSG™

Posted 06/18/2018

Webinar: Designing & Optimizing Mouse Breeding Schemes

Posted 10/13/2017

Webinar: Achieving Reproducible Mouse Studies

Posted 09/19/2017

Webinar: Onco-Hu® Mice for Evaluation of Immuno-Oncology Therapeutics

Posted 05/31/2017

Webinar: Generating Mouse Models Using CRISPR/Cas9 Technology

CRISPR Cas9 System

Posted 05/23/2017

Video: CRISPR/Cas9 Explained

CRISPR Cas9 System

Posted 05/11/2017

Webinar: Research Using Aged B6 Mice - Considerations, Applications, and Best Practices

Aging

SWOG Meeting Website



Fall 2018

Plenary I (Translational Medicine) Presentations
Plenary II (General Plenary) Presentations
Jeri & Noboru Oishi Symposium Presentations
Site Operations Presentations
Meeting Agenda Booklet



Spring 2019

Plenary I (Translational Medicine) Presentations
Plenary II (General Plenary) Presentations
Jeri & Noboru Oishi Symposium Presentations
Site Operations Presentations
Immune-Related AE Symposium Presentations
Meeting Agenda Booklet

2. The NCI CIMAC-CIDC Immune Profiling Network: Opportunities for SWOG Investigators



CIMAC-CIDC
Immuno-Oncology
Biomarkers Network

THE UNIVERSITY OF TEXAS
MD Anderson
Cancer Center

Making Cancer History



The NCI CIMAC-CIDC Network:
Opportunities for SWOG Investigators
SWOG Spring Group Meeting, April 25th, 2019
San Francisco, CA, USA

Ignacio I. Wistuba, M.D.
Professor and Chair, Department of Translational Molecular Pathology,
Division of Pathology & Laboratory Medicine
Translational Research Director, Khalifa Institute for Personalized Cancer
Therapy (IPCT)
The University of Texas MD Anderson Cancer Center, Houston, TX.

CIMAC & CIDC Assays

Tier 1 assays (recommended for most trials)

- Whole Exome Sequencing (WES)
- RNA-seq
- IHC singleplex
 - PD-L1 FDA approved assay
- IHC/IF multiplex
- CyTOF
- Olink
- Nanostring IO panel

Tier 2 assays (trial-dependent)

- Microbiome
- TCR repertoire
- Single-cell-seq
- ctDNA-seq
- MIBI
- ATAC-seq
- scRNA-TCR

Other Assays:
ELISA, B cell response, T cell functional assays (ELISPOT, multimers)

A prospective CIMAC Umbrella Protocol
for collections and processing of
specimens has been developed.

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Slide Courtesy of Holden Maecker, PhD,
Stanford University CIMAC



CIMAC & CIDC Assays Multiplex Immunofluorescence – 7-9 markers/panel



MD Anderson CIMAC mIF Panels

Panel 1	Panel 2	Panel 3	Panel 4	Panel 5
TILs & PD-L1/PO1	Immune Checkpoints	Myeloid Cells		
PD-L1	CD3	PD-L1	LAG-3	CD11b
PD-1	CD8	IDO-1	TIM-3	CD14
CD3	Granzyme B	B7-H3	ICOS	CD33
CD8	CD45RO	B7-H4	OX-40	CD66b
CD68	FOXP3	Vista	CD3	CD68
---	---	CD3	CD20	CD183
AE1/AE3	AE1/AE3	AE1/AE3	AE1/AE3	AE1/AE3
DAPI	DAPI	DAPI	DAPI	DAPI

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E. Pama, et al. Sci Rep. 2017 Oct 17;7(1):13380.



Hope Grants

- To be announced after the SWOG meeting

Upcoming Application Deadlines

All program information available at thehopefoundation.org/research-funding

- **SWOG Early Exploration and Development (SEED) Fund Grants: Dec 1**
- **LOI Deadlines**
 - **Impact Award Program: Jan 15**
 - **Dr. Charles A. Coltman, Jr. Fellowship: Jan 15**
 - **Career Engagement Award: Jan 15**

THE HOPE FOUNDATION
FOR CANCER RESEARCH

#SupportingSWOG

Plenary 1: Translational Medicine

3:40 - 4:05 pm Trials and tribulations of the first 4 years of NCTN
CCSC requests and reviews; This issue is the tissue
Elise C. Kohn, MD

4:05 - 4:30 pm Biomarker studies in S1314: the "CoXEN" trial
David J. McConkey, PhD

4:30 - 4:55 pm Inhibiting KRAS in the Clinic: Are We There Yet?
Alex A. Adjei, MD, PhD

*Cumulatively, I have known these friends of mine for 70+ years!
That says more about my age than theirs!*

