



## PROGRAM

### **THURSDAY, MAY 4**

#### **Educational Session: Genomics**

3:00 pm-5:00 pm

*Session Chair: Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada*

- 3:00-3:20      *Molecular Tumor Board - Case Presentation*  
Lillian L. Siu and William C. Hahn
- 3:20-3:55      *Clinical applications: Drug access and design of genotype-specific trials*  
Lillian L. Siu
- 3:55-4:30      *Opportunities for translational and discovery research: "Next-Gen" genomics*  
William C. Hahn, Dana-Farber Cancer Institute, Boston, MA
- 4:30-5:00      Panel Discussion / Questions from audience  
Lillian L. Siu and William C. Hahn

#### **Break**

5:00 pm-5:30 pm

#### **Welcome and Opening Remarks**

5:30 pm-6:00 pm

- 5:30-6:00      Welcome  
Margaret Foti, American Association for Cancer Research, Philadelphia, PA  
Carlos L. Arteaga, Vanderbilt-Ingram Cancer Center, Nashville, TN  
Carlos Gil M. Ferreira, D'or Institute for Research and Education, Rio de Janeiro, Brazil

#### **Plenary Session 1: Immune Checkpoints: Successes and What We Have Learned**

6:00 pm-7:30 pm

*Session Chair: Joao P.B. Viola, Brazilian National Cancer Institute, Rio de Janeiro, Brazil*

- 6:00-6:30      *Selective pressure by activated T cells identifies de novo and adaptive resistance mechanisms in melanoma*  
Keith T. Flaherty, Massachusetts General Hospital Cancer Center, Boston, MA



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6:30-7:00 *State of clinical success of immune checkpoints (new preclinical data on anti-PD-1 and anti-PDL-1)*

Cristina B. Bonorino, Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre, RS, Brazil

7:00-7:30 *ER stress responses as new immune checkpoints in cancer*

Juan R. Cubillos-Ruiz, Weill Cornell Medical College, New York, NY

### Opening Reception

7:45 pm-9:30 pm

### FRIDAY, MAY 5

#### Keynote Lecture 1

8:30 am-9:15 am

*Session Chair: Carlos Gil M. Ferreira, D'or Institute for Research and Education, Rio de Janeiro, Brazil*

8:30-9:15 *The different facets of cervical cancer prevention*

Luisa L. Villa, Fundação Faculdade de Medicina de S Paulo, São Paulo, SP, Brazil

#### Break

9:15 am-9:45 am

#### Plenary Session 2: Tumor Heterogeneity

9:45 am-10:45 am

*Session Chair: Felipe C. Geyer, Memorial Sloan Kettering Cancer Center, New York, NY*

9:45-10:15 *The dynamics of cancer cell heterogeneity*

Guido Lenz, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

10:15-10:45 *Intra-tumour genetic heterogeneity*

Felipe C. Geyer

#### Break

10:45 am-11:00 am



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### Plenary Session 3: Hematologic Malignancies

11:00 am-12:30 pm

*Session Chair: Eliana Abdelhay, Brazilian National Cancer Institute, Rio de Janeiro, Brazil*

- 11:00-11:30 *Epigenetic mechanisms in pathogenesis and targeted therapy for B-cell lymphomas*  
Ari M. Melnick, Weill Cornell Medical College, New York, NY
- 11:30-12:00 *Clinical networking as a tool to improvement of leukemia care and research in developing countries: The experience of the International Consortium on Acute Leukemias (ICAL)*  
Eduardo Magalhães Rego, University of São Paulo, Sao Paulo, Brazil
- 12:00-12:30 *Novel therapeutic targets in multiple myeloma*  
Kenneth C. Anderson, Dana-Farber Cancer Institute, Boston, MA

### Poster Session A / Lunch

12:30 pm-3:00 pm

### Plenary Session 4: Precision Medicine / Targeted and Combination Therapies / Drug Resistance

3:15 pm-4:45 pm

*Session Chair: Oscar G. Arrieta, Instituto Nacional de Cancerología, Mexico City, Mexico*

- 3:15-3:45 *A systems approach to rational combination therapy with PARP inhibitors*  
Gordon B. Mills, The University of Texas MD Anderson Cancer Center, Houston, TX
- 3:45-4:15 *Evolution and clinical impact of co-occurring genetic alterations in lung cancer*  
Trevor G. Bivona, University of California, San Francisco, CA
- 4:15-4:45 *Overcoming drug resistance and tumor heterogeneity in gastrointestinal cancers*  
Ryan B. Corcoran, Massachusetts General Hospital Cancer Center, Boston, MA

### Break

4:45 pm-5:00 pm

### Plenary Session 5: Liquid Biopsies/Organoids/PDX

5:00 pm-6:30 pm

*Session Chair: Carlos L. Arteaga, Vanderbilt-Ingram Cancer Center, Nashville, TN*

- 5:00-5:30 *Circulating tumor DNA is a "liquid biopsy" for precision medicine: Basic concepts*  
Anamaria A. Camargo, Ludwig Institute for Research on Cancer, Sao Paulo, Brazil



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5:30-6:00 *Patient-derived xenografts and organoids to predict therapeutic response for breast cancer patients*

Alana L. Welm, University of Utah Huntsman Cancer Institute, Salt Lake City, UT

6:00-6:30 *Title to be announced*

Pasi A. Jänne, Dana-Farber Cancer Institute, Boston, MA

### **SATURDAY, MAY 6**

#### **Keynote Lecture 2**

8:30 am-9:15 am

*Session Chair: Carlos L. Arteaga, Vanderbilt-Ingram Cancer Center, Nashville, TN*

*Defining a cancer dependencies map*

William C. Hahn, Dana-Farber Cancer Institute, Boston, MA

#### **Break**

9:15 am-9:45 am

#### **Plenary Session 6: DNA Repair and PARP Inhibitors**

9:45 am-11:15 am

*Session Chair: Dyeison Antonow, Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre, RS, Brazil*

9:45-10:15 *Targeting DNA repair in cancer therapy*

Alan D. D'Andrea, Dana-Farber Cancer Institute, Boston, MA

10:15-10:45 *PARP trapping and Schlafen 11 to kill cancer cells*

Yves G. Pommier, National Cancer Institute-CCR, Bethesda, MD

10:45-11:15 *Methods for defining DNA repair defects in human cancer*

Simon N. Powell, Memorial Sloan Kettering Cancer Center, New York, NY

#### **Break**

11:15 am-11:30 am



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### Plenary Session 7: Hormone-Dependent Cancers and Steroid Receptors

11:30 am-1:00 pm

*Session Chair: Carlos H. Barrios, Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre, Brazil*

- 11:30-12:00 *Lessons for ER+ breast cancer from neoadjuvant endocrine therapy trials*  
Matthew J. Ellis, Baylor College of Medicine, Houston, TX
- 12:00-12:30 *Targeting DNA repair dysfunction in prostate cancer*  
Karen E. Knudsen, Thomas Jefferson University, Sidney Kimmel Cancer Center, Philadelphia, PA
- 12:30-1:00 *Targeting DNA repair deficiencies in breast cancer*  
Samuel Aparicio, BC Cancer Research Centre, Vancouver, BC, Canada

### Poster Session B / Lunch

1:00 pm-3:00 pm

### Plenary Session 8: Oncogenes and Tumor Suppressors

3:15 pm-4:45 pm

*Session Chair: Roger Chammas, University of São Paulo, Sao Paulo, Brazil*

- 3:15-3:45 *Strategies to prevent and treat resistance to EGFR inhibitors in lung cancer*  
Pasi A. Jänne, Dana-Farber Cancer Institute, Boston, MA
- 3:45-4:15 *Tumor suppressor and tumor maintenance genes*  
Scott W. Lowe, Memorial Sloan Kettering Cancer Center, New York, NY
- 4:15-4:45 *Long noncoding RNA-mediated RNA editing as a new mechanism of tumor suppressor gene inactivation*  
Emmanuel Dias-Neto, A.C. Camargo Cancer Center, São Paulo, Brazil

### Break

4:45 pm-5:00 pm

### Plenary Session 9: Epigenetics

5:00 pm-6:00 pm

*Session Chair: Paulo M. Hoff, Centro de Oncologia, São Paulo, Brazil*



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5:00-5:30      *The promise among the setbacks for epigenetic therapy in solid tumors*  
Nilofer S. Azad, Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD

5:30-6:00      *Defining cancer specific epigenomic signature associated with glioma progression*  
Houtan Noushmehr, University of São Paulo, Ribeirao Preto, São Paulo, Brazil

### Closing Remarks

6:00 pm-6:15 pm

Carlos L. Arteaga, Vanderbilt-Ingram Cancer Center, Nashville, TN

Carlos Gil M. Ferreira, D'or Institute for Research and Education, Rio de Janeiro, Brazil