



Istituto Veneto  
di Scienze Lettere  
ed Arti

## Scientific Committee:

Alberto Amadori

Adelheid Cerwenka

Luigi Chieco-Bianchi

Vincenzo Ciminale

Donna D'Agostino

Julie Djeu

Genoveffa Franchini

Mathias Heikenwälder

Vito Pistoia

Giorgio Trinchieri

Viktor Umansky

Hua Yu

# Viruses, Inflammation and Cancer

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November 14-16, 2016  
Palazzo Cavalli Franchetti, Istituto Veneto di Scienze,  
Lettere ed Arti  
Campo Santo Stefano - Venezia

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## MONDAY, NOVEMBER 14

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12:30-14:00

Registration

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14:00-14:10

Opening Remarks

Luigi Chieco-Bianchi (*University of Padova, Italy*)

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14:10-16:15

Session 1

Chairpersons: **Alberto Amadori** (*University of Padova/ Veneto Institute of Oncology, Padova, Italy*) & **Rafick S  kaly** (*Case Western Reserve University, Cleveland, OH, USA*)

14:10-14:35

**Alberto Bardelli** (*Candiolo Cancer Institute, Candiolo, Italy*)  
'Cancer evolution as a therapeutic target'

14:35-15:00

**Jinfang Zhu** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'Transcriptional regulation of innate lymphoid cell (ILC) subset development'

15:00-15:25

**Ofer Mandelboim** (*Hebrew University, Jerusalem, Israel*)  
'Recognition of tumor binding bacteria by NK cells'

15:25-15:50

**Chiara Romagnani** (*German Rheumatism Research Centre, Berlin, Germany*)  
'Innate lymphoid cells in inflammation'

15:50-16:15

**Jason Brenchley** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'The microbiome and inflammation in SIV infection'

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16:15-16:35

Coffee break

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16:35-18:40

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## Session 2

**Chairpersons:** **Paolo M. Comoglio** (*Candiolo Cancer Institute, Candiolo, Italy*) & **Robert Yarchoan** (*National Cancer Institute, Bethesda, MD, USA*)

16:35-17:00

**Genoveffa Franchini** (*National Cancer Institute, Bethesda, MD, USA*)

*'Inflammatory signature of protective HIV vaccine candidates'*

17:00-17:25

**Silvia Franceschi** (*International Agency for Research on Cancer, Lyon, France*)

*'Global burden of cancer due to infectious agents'*

17:25-17:50

**Hans-Reimer Rodewald** (*German Cancer Research Center, Heidelberg, Germany*)

*'T cell progenitors, thymus autonomy and T cell leukemia'*

17:50-18:15

**Aftab Ansari** (*Emory University, Atlanta, Ga, USA*)

*'Sustained virological control in SIV-infected macaques following short term ART and a4b7mAb treatment'*

18:15-18:40

**Samir Hanash** (*The University of Texas MD Anderson Cancer Center, Houston, TX, USA*)

*'Dynamic suppression of antigen presentation by tumor cells through modulation of the immunoproteasome'*

19:30-20:30

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**Visit to the Basilica di S. Marco**

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## TUESDAY, NOVEMBER 15

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08:30-10:35

### Session 3

**Chairpersons:** **Viktor Umansky** (*German Cancer Research Center, Heidelberg, Germany*) & **Daniel Douek** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)

08:30-08:55

**Gunter Hämmerling** (*German Cancer Research Center, Heidelberg, Germany*)  
'Reprogramming of the tumor microenvironment for efficient tumor rejection'

08:55-09:20

**Giorgio Trinchieri** (*National Cancer Institute, Bethesda, MD, USA*)  
'Cancer as a disease of the metaorganism'

09:20-09:45

**Irini Sereti** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'Immune reconstitution inflammatory syndrome in HIV infection: from bedside to bench and mice'

09:45-10:10

**Guido Poli** (*Vita-Salute San Raffaele University, Milan, Italy*)  
'Role of pro-inflammatory (M1) functional polarization of monocytes and macrophages in HIV-1 infection'

10:10-10:35

**Richard Koup** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'Immune activation and the accumulation of follicular CTL during chronic virus infection'

10:35-10:55

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### Coffee Break

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10:55-13:00

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#### Session 4

**Chairpersons: Federico Caligaris-Cappio** (*Italian Association for Cancer Research, Milan, Italy*) & **Mark Connors** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)

10:55-11:20

**Alberto Mantovani** (*Humanitas IRCCS, Rozzano, Italy*)  
'Macrophages in cancer-related inflammation: from bench to bedside'

11:20-11:45

**Carlo Croce** (*Ohio State University College of Medicine, Columbus, OH, USA*)  
'Dysregulation of a novel family of short non-coding RNA, tsRNAs, in human cancer'

11:45-12:10

**Jay Berzofsky** (*National Cancer Institute, Bethesda, MD, USA*)  
'Cancer vaccine strategies: Translation from mice to human clinical trials'

12:10-12:35

**Stefano Indraccolo** (*Veneto Institute of Oncology, Padova, Italy*)  
'Microenvironments and cancer'

12:35-13:00

**Dan McVicar** (*National Cancer Institute, Frederick, MD, USA*)  
'Mechanisms of metabolic reprogramming in macrophages'

13:00-14:00

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#### Lunch

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## TUESDAY, NOVEMBER 15

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14:00-16:05

### Session 5

**Chairpersons:** **Anita De Rossi** (*University of Padova/  
Veneto Institute of Oncology, Padova, Italy*) & **Julie Djeu**  
(*Moffitt Cancer Center, Tampa, FL, USA*)

14:00-14:25

**Chris Buck** (*National Cancer Institute, Bethesda, MD, USA*)  
*'Developing vaccines against pathogenic human polyomaviruses'*

14:25-14:50

**Mark Connors** (*National Institute of Allergy and Infectious  
Diseases, Bethesda, MD, USA*)  
*'Virus-specific immune responses induced by replicating  
Adenovirus Type 4 vectors'*

14:50-15:15

**Steve Jacobson** (*National Institute of Neurological Disorders  
and Stroke, Bethesda, MD, USA*)  
*'Immune mechanisms in human T lymphotropic virus type-I  
associated myelopathy'*

15:15-15:40

**Laurel Lagenaur** (*Osel Inc., Bethesda, MD, USA*)  
*'Modulating the vaginal microbiome to prevent HIV infection'*

15:40-16:05

**Rafick Sékaly** (*Case Western Reserve University, Cleveland,  
OH, USA*)  
*'The eclipse phase of HIV and SIV infection'*

16:05-16:25

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### Coffee break

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16:25-17:20

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### Special Lecture

Introduction by **G. Franchini**

**Harald zur Hausen** (German Cancer Research Center, Heidelberg, Germany)

*'Infectious agents in red meat and dairy products as risks for specific cancers and chronic neurological disease'*

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17:20-19:00

### Session 6

**Chairpersons:** **Vito Pistoia** (Bambino Gesù Pediatric Hospital, Rome, Italy) & **Paola Zanovello** (University of Padova/Veneto Institute of Oncology, Padova, Italy)

17:20-17:45

**Vincenzo Ciminale** (University of Padova/Veneto Institute of Oncology, Padova, Italy)

*'Apoptotic priming of T-ALL cells through manipulation of redox homeostasis'*

17:45-18:10

**Guido Kroemer** (Institut Gustave Roussy, Villejuif, France)

*'Successful anticancer chemotherapeutics: viral mimetics'*

18:10-18:35

**Olivier Feron** (Université catholique de Louvain, Louvain-la-Neuve, Belgium)

*'Metabolism and epigenetic reprogramming'*

18:35-19:00

**Paolo Bernardi** (University of Padova, Italy)

*'Between life and death, the dual functions of mitochondrial ATP synthase'*

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20:00

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### Workshop Dinner

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## WEDNESDAY, NOVEMBER 16

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08:30-10:10

### Session 7

**Chairpersons:** **Adelheid Cerwenka** (*German Cancer Research Center, Heidelberg, Germany*) & **David Wink** (*National Cancer Institute, Bethesda, MD, USA*)

08:30-08:55

**Robert Seder** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'Self-assembling nanoparticles co-delivering TLR-7 / 8A and peptide antigens as cancer vaccines'

08:55-09:20

**Mark Polizzotto** (*University of New South Wales, Sydney, Australia*)  
'Modulating host immune responses in virally associated malignancies'

09:20-09:45

**Robert Yarchoan** (*National Cancer Institute, Bethesda, MD, USA*)  
'Pathogenesis of KSHV-associated diseases: Insights for targeted therapy'

09:45-10:10

**Massimo Tommasino** (*International Agency for Research on Cancer-World Health Organization, Lyon, France*)  
'Co-operation of oncogenic viruses and other co-factors in carcinogenesis'

10:10-10:30

### Coffee Break

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10:30-12:10

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### Session 8

**Chairpersons:** **Umberto Bertazzoni** (*Global Virus Network - Italy*) & **Giuseppe Opocher** (*Veneto Institute of Oncology/University of Padova, Italy*)

10:30-10:55

**Vincenzo Bronte** (*University of Verona, Verona, Italy*)  
'Molecular and metabolic control of adaptive immunity in cancer'

10:55-11:20

**Hua Yu** (*City of Hope, Duarte, CA, USA*)  
'STAT3 in inflammation and cancer - from basic discoveries to clinical translation'

11:20-11:45

**Paolo M. Comoglio** (*Candiolo Cancer Institute, Candiolo, Italy*)  
'Oncogene addiction, expedience and inference: The Met paradigm'

11:45-12:10

**Ana Martin-Villalba** (*German Cancer Research Center, Heidelberg, Germany*)  
'Inflammation in neurogenerative disorders and brain malignancy'

12:10 – 12:40

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### Special Lecture

Introduction by **Hua Yu**: **Dr. Tsai-Fan Yu Legacy Lecture**

**Laurence Zitvogel** (*Institut Gustave Roussy, Villejuif, France*)  
'Rationale of Oncobiotics in cancer therapy'

12:40 – 13:40

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**Luncheon dedicated to Women in Science**

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## WEDNESDAY, NOVEMBER 16

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13:40 – 15:45

### Session 9

**Chairpersons:** Roberto Accolla (*Insubria University, Varese, Italy*) & Jason Brenchley (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)

13:40-14:05

**Ralf Bartenschlager** (*University of Heidelberg, Germany*)  
*'Interaction between Hepatitis C Virus and its host cells'*

14:05-14:30

**Riccardo Dalla-Favera** (*Columbia University, New York, NY, USA*)  
*'Genomics of B cell lymphoma'*

14:30-14:55

**Livio Trusolino** (*Candiolo Cancer Institute, Candiolo, Italy*)  
*'Precision oncology between challenges and opportunities: The example of colorectal cancer'*

14:55-15:20

**Maria Luisa Calabrò** (*Veneto Institute of Oncology, Padova, Italy*)  
*'Role of the microenvironment in HTLV-1-induced lymphomagenesis'*

15:20-15:45

**Tim Greten** (*National Cancer Institute, Bethesda, MD, USA*)  
*'Metabolic and cytokine-dependent control of the tumor microenvironment in inflammation-induced liver tumors'*

15:45-16:05

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### Coffee break

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16:05-18:10

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### Session 10

**Chairpersons:** **Donna D'Agostino** (*University of Padova, Italy*) & **Richard Koup** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)

16:05-16:30

**Mathias Heikenwälder** (*German Cancer Research Center, Heidelberg, Germany*)  
'On the involvement of immune cells in fatty liver and liver cancer development'

16:30-16:55

**Barbara Rehermann** (*National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, USA*)  
'Immunity to Hepatitis viruses'

16:55-17:20

**Daniel Douek** (*National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA*)  
'Multiple origins of virus persistence in HIV controllers'

17:20-17:45

**Eli Pikarsky** (*The Hebrew University, Jerusalem, Israel*)  
'Heterotypic cell interactions in chronic hepatitis and hepatocellular carcinoma'

17:45-18:10

**Leonid Margolis** (*National Institute of Child Health and Human Development, Bethesda, MD, USA*)  
'Extracellular vesicles and HIV in immune activation'

18:10

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### Closing Remarks

**Vincenzo Ciminale** (*University of Padova/Veneto Institute of Oncology, Padova, Italy*)

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## Acknowledgments

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Dr. Tsai-Fan Yu  
Foundation



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