

PROGRAMME



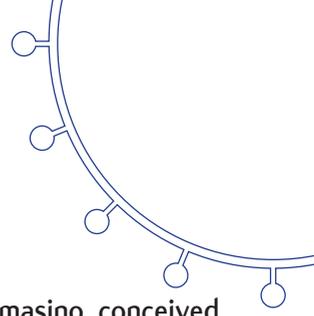
IEO Research
Istituto Europeo di Oncologia

7TH MEETING ON
EMERGING ISSUES IN

ONCOGENIC VIRUS RESEARCH

3-8 June 2025

*IN MEMORY OF
PROF. MASSIMO TOMMASINO*



RATIONAL

In 2010 our dear and unforgettable friend, Prof. Massimo Tommasino, conceived the idea of organizing the first biannual meeting on oncogenic viruses in his beloved Puglia. With his vision, he gathered leading international scientists to discuss and exchange data on emerging and well-established cancer associated viruses.

Given the significance and success of this meeting and the five subsequent editions, we felt it was our duty to carry forward the path started by Prof. Tommasino. Our goal is to ensure ongoing updates and comparison of data, fostering collaboration and advancements in the field.

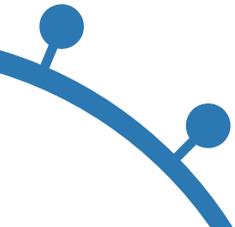
We are therefore proud to announce the upcoming 7th Meeting on Emerging Issues in Oncogenic Virus Research, which will be held in Manduria, Italy, from 3rd to 8th June 2025.

The meeting will focus on new insights into well-established oncogenic viruses and explore emerging oncogenic viruses, along with their clinical implications. More than 40 international speakers will examine and critically evaluate the epidemiology, immunology, and biology of tumor-associated viruses, as well as their lower-risk effects and impact on patients' life.

In its 7th edition, we anticipate the attendance of experienced basic scientists, including biologists, epidemiologists, and clinicians as well as PhD students and junior scientists who will present studies and new data on the proposed topics. The comfortable venue is designed to foster casual, direct interactions and in-depth discussions, providing ample opportunities to forge new collaborations.

We look forward to welcoming you to beautiful southern Italy, to advance science altogether!

Susanna Chiocca
on behalf of the Scientific Committee



MEETING VENUE

Hotel dei Bizantini
at Campo dei Messapi
in the village S.Pietro in Bevagna
www.hoteldeibizantini.it

Distances:

12 km from Manduria (Taranto)
50 km from Brindisi (nearest airport)*

* shuttle buses will be available from
Brindisi airport, in connection with the
local flights from the major italian cities



ATTENDING FACULTY

Lawrence Banks	International Centre for Genetic Engineering and Biotechnology, ICGEB, Trieste
Christopher Buck	Gusteau Research, Bethesda MD, USA
James A. DeCaprio	Dana Farber Cancer Institute, Boston MA, USA
Susanna Chiocca	IRCCS European Institute of Oncology, Milan, Italy
Jeongjoon Choi	Yale School of Medicine, New Haven CT, USA
Andrzej Dlugosz	University of Michigan Medical School, Ann Arbor MI, USA
Nicole Fischer	University Medical Center Hamburg-Eppendorf, Hamburg, Germany
Amelie Fradet-Turcotte	CHU de Québec-Université Laval Research Center, Quebec, Canada
Denise Galloway	Fred Hutchinson Cancer Center, Seattle WA, USA
Robert Garcea	University of Colorado at Boulder, Boulder CO, USA
Marisa Gariglio	University of Eastern Piedmont, Novara, Italy
Marc Goodman	Cedars-Sinai Medical Center, Los Angeles CA, USA
Reinhard Kirnbauer	Medical University of Vienna, Austria
Laimonis Laimins	Northwestern University, Chicago IL, USA
Paul Lambert	McArdle Laboratory at University of Wisconsin, Madison WI, USA
Andrew MacDonald	University of Leeds, UK
Melissa Maginnis	The University of Maine, Orono ME, USA
Maria G. Masucci	Karolinska Institute, Stockholm, Sweden
Kavi Mehta	University of Wisconsin, Madison WI, USA
JJ Miranda	Barnard College, Columbia University, New York NY, USA
Anna-Barbara Mosciki	University of California, Los Angeles CA, USA
Martin Müller	Deutsches Krebsforschungszentrum (DKFZ), Heidelberg, Germany
Karl Munger	Tufts University School of Medicine, Boston MA, USA
Donna M. Neumann	School of Medicine and Public Health University of Wisconsin, Madison WI, USA
Joanna Parish	University of Birmingham, Birmingham, UK
Georgia Schäfer	International Centre for Genetic Engineering and Biotechnology, Cape Town, South Africa
Mario Schelhaas	Institute of Cellular Virology, University of Münster, Germany
Thomas Schulz	Medizinische Hochschule Hannover, Germany
Laura Sicherio	Center for Translational Research in Oncology, Cancer Institute of São Paulo, São Paulo, Brazil
Sigrun Smola	Saarland University Medical Center in Homburg, Germany
Katerina Strati	University of Cyprus, Nicosia, Cyprus
Maria Lina Tornesello	IRCCS Istituto Nazionale Tumori Fondazione G. Pascale, Naples, Italy
K. M. Van Doorslaer	The University of Arizona, College of Medicine, Tucson AZ, USA
Matthew D. Weitzman	University of Pennsylvania, Philadelphia PA, USA
Elizabeth A. White	Tufts University School of Medicine, Boston MA, USA
Katia Zanier	Biotechnology and Cell Signaling (CNRS UMR7242), Illkirch, France

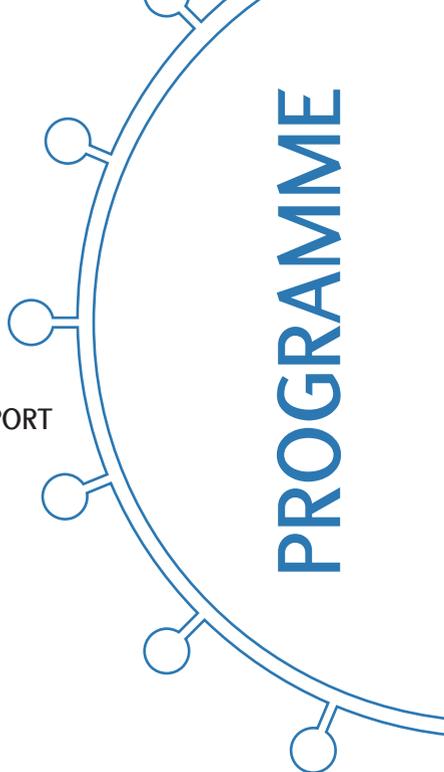
SCIENTIFIC COMMITTEE

- Italy:** Susanna Chiocca, Lavinia Ghiani
IRCCS European Institute of Oncology, Milan
- Italy:** Lawrence Banks
International Centre for Genetic Engineering and Biotechnology, ICGEB, Trieste
- Italy:** Marisa Gariglio
University of Eastern Piedmont, Novara
- Italy:** Maria Lina Tornesello
IRCCS Istituto Nazionale Tumori Fondazione G. Pascale, Naples
- Germany:** Martin Müller
Deutsches Krebsforschungszentrum (DKFZ), Heidelberg
- USA:** Robert Garcea
University of Colorado at Boulder, Boulder CO

SUPPORTING LOCAL HOSTS

- Manduria, Italy Benedetta Tommasino
 Carlo Tommasino
 Chiara Tommasino





Tuesday, 3 June 2025

Individual arrivals

SHUTTLE BUS DEPARTURES FROM BRINDISI AIRPORT
(90-minute drive)

BUS 1	12.00
BUS 2	15.30
BUS 3	19.00

20.30 Welcome dinner at the hotel

Wednesday, 4 June 2025

08.30 Registration

09.00 Welcome Address

09.30–13.15 > **Session 1: Vaccine/ Immunology**

Chairpersons: Maria Masucci - Rob Kalejta

09.30 How to Make and Share Vaccine-Style Beer

Chris BUCK

09.55 PANHPVAX: A first-in-human phase I dose-escalation trial in healthy volunteers of a vaccine targeting human papilloma L2 antigen
Martin MÜLLER

10.20 Initiation of a phase I trial in women of RG1-VLP, a broad-spectrum chimeric candidate vaccine for the prevention of HPV-induced neoplasia

Reinhard KIRNBAUER

10.45 Lipid-free, Thermostable mRNA Vaccines

Robert GARCEA

11.10 Coffee break



Selected oral presentations

- 11.40 - Stimulating resolution of inflammation to unleash anticancer immunity in HPV+ head and neck cancer
Domenico Mattoscio
- 11.55 - First-void urine sampling for the study of the local HPV immune response
Marijana Lipovac
- 12.10 - Human papillomavirus capsomers as vaccine platform for prophylactic and therapeutic human papillomavirus antigens
Ecem Kaplan
- 12.25 - Elevating Anti-Tumor Immunity: Targeted Delivery of an Adenovirus Cancer Vaccine via Extracellular Vesicles in a Humanized Melanoma Model
Mariangela Garofalo
- 12.40 - Harnessing Oncolytic Adenoviruses for Mesothelioma Treatment: Preclinical Innovations
Lukasz Kuryk
- 12.55 - Influenza Viruses Co-Expressing BPV1 E6 and E7 Peptides Target BPV1 Infection Underlying Equine Sarcoid Disease, Thus Significantly Reducing Tumour Recurrence Following Therapy
Edmund Karl Hainisch
- 13.10 - The role of vaginal and peripheral cytokine profiles in the risk of Cervical Intra-epithelial Neoplasia among women coinfectd with HIV/HPV
Yanga Mdeleleni

13.30 Lunch

14.30–18.00 > Session 2: Virus–host interaction I

Chairpersons: Barbara Moscicki - Domenico Mattoscio

14.30 Merkel cell polyomavirus infection and persistence modelled in organoids

Nicole FISCHER



- 14.55 Attempts to identify pharmacologically targetable steps in the life cycle of Kaposi Sarcoma-associated Herpesvirus (KSHV)
Thomas F. SCHULZ
- 15.20 Remodeling of the Ribosome Quality Control by Herpesviruses
Maria G. MASUCCI
- 15.45 Persistent Infections: Genomics and Tissue Models of HPV Pathobiology
Koenraad VAN DOORSLAER

16.10 Coffee break

Selected oral presentations

- 16.40 - Triple Lysine and Nucleosome Binding Motifs of the viral IE19 protein are required for Human Cytomegalovirus S phase infections
Rob Kalejta
- 16.55 - In SV40, early and late transcription are differentially controlled by directional repression from the central regulatory region
Barry Milavetz
- 17.10 - Molecular characterization of Kaposi's sarcoma-associated herpesvirus (KSHV) Lytic reactivation in the context of COVID-19
Katrin Bratl
- 17.25 - Epigenetic alterations in HPV+ tumors
Lavinia Ghiani
- 17.40 - LINE-1 Methylation in oropharyngeal cancer: the interplay of HPV-infection and TP53 mutation
Elisabetta Fratta

17.55 Adjourn

19.30 Dinner at the hotel



Thursday, 5 June 2025

09.00-13.00 > Session 3: Cellular transformation I

Chairpersons: Matthew Weitzman - Melissa Maginnis

09.00 AIRC LECTURE:

Contributions of Merkel cell
polyomavirus to Merkel Cell Carcinoma

James A. DeCAPRIO



09.30 Role of Estrogen in Papillomavirus-induced Neoplasia

Paul LAMBERT

09.55 ALTO is a Tumor Suppressor

Denise GALLOWAY

10.20 Role of Rab GTPases in Human Papillomavirus entry

Jeongjoon CHOI

10.45 Oncogenic enhancer architecture at single-cell resolution in Kaposi sarcoma tissue

JJ MIRANDA

11.10 Coffee break

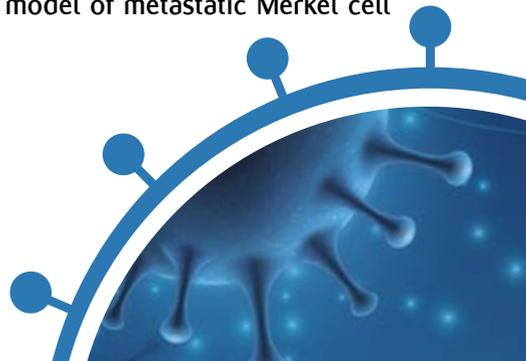
Selected oral presentations

11.40 - Identification of signaling pathways involved in RECK regulation by HPV and EBV oncoproteins

Beatrice Jorge

11.55 - Development of a virus-positive model of metastatic Merkel cell carcinoma for preclinical studies

Monique E. Verhaegen





- 12.10 - Epigenetic regulation of reek promoter activity in HPV associated tumors
Fernanda Araujo Costa
- 12.25 - Evaluating the role of a DNA methylation reader, MBD2, in development and progression of HPV (+) and (-) HNSCC
Izge Shanlitourk
- 12.40 - Identification of Higher Risk HPV16 Sublineages from Anal Swab with Next Generation Sequencing is Associated with Increased Odds of Anal Dysplasia
MacMath Derek

13.00 Lunch

14.15–18.00 > Session 4: Epidemiology & Virus Host Interaction

Chairpersons: Joanna Parish - Kavi Mehta

- 14.15 Vaginal Microbiome, metabolome and cytokine profiles in women living with and without HIV with CIN
Anna-Barbara MOSCICKI
- 14.40 A Prospective, Single-Arm, Multi-Center Clinical Study of the Immunogenicity of Nonavalent HPV Vaccine Administered Prior to Renal Transplantation in Adults
Marc GOODMAN
- 15.05 Biomarkers of head and neck cancer in Latin America and Europe
Laura SICHERO
- 15.30 The dynamics of KSHV infection in the context of prevalent co-infections in South Africa
Georgia SCHÄFER

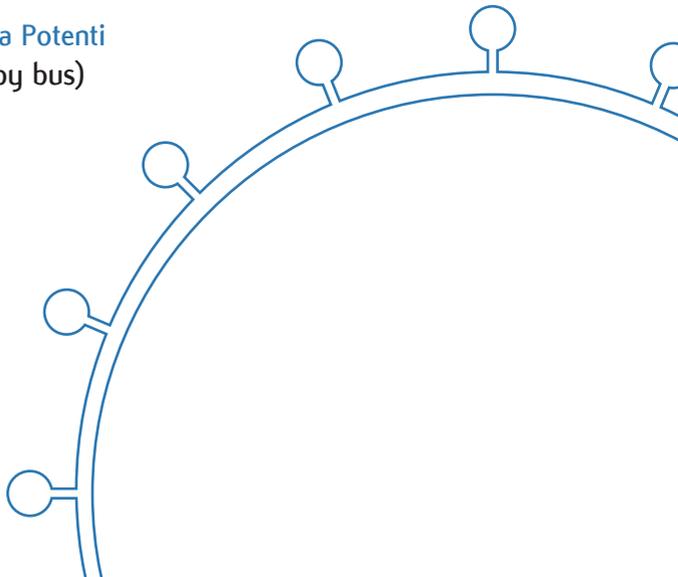
15.55 Coffee break

- 16.25 Dynamic Protein Interactions during Adenovirus Infection
Matthew D. WEITZMAN



Selected oral presentations

- 16.50 - Interactions Between Murine Polyomavirus T antigens and PP2A Affect Viral Genome Replication and Packaging
Erika Langsfeld
- 17.05 - E6-encoded by cancer-causing HPV interacts with Cyclin-dependent kinase 5 (CDK5)
Siaw Shi Boon
- 17.20 - Polycomb group proteins protect latent Kaposi sarcoma-associated herpesvirus from episome clearance and HUSH-dependent chromatin silencing
Adam Grundhoff
- 17.35 - Resolution of a recurrent invasive HPV19-related cutaneous squamous cell carcinoma after restoration of T-cell receptor signaling
Andrea Lisco
- 17.50 Adjourn
- 19.40 Departure by bus to Manduria
- 20.00 Dinner at the Masseria Potenti
(Return to the Hotel by bus)





Friday, 6 June 2025

09.00-12.30 > Session 5: Virus–host interaction II

Chairpersons: Maria Lina Tornesello - JJ Miranda

09.00 Regulation and Execution of Human papillomavirus uptake by Endocytosis

Mario SCHELHAAS

09.25 Transcriptional reprogramming of host gene expression by oncogenic HPV

Joanna PARISH

09.50 Metabolic deregulation by alpha and beta HPV types and impact on cellular proliferation

Katia ZANIER

10.15 Viral Receptor Dynamics and Signaling in JC Polyomavirus Entry

Melissa MAGINNIS

10.40 The polymerase milieu and mechanisms of HPV replication -

Kavi MEHTA

11.05 Coffee break

Selected oral presentations

11.30 - Key aspects of papillomavirus infection influence the host cervico-vaginal microbiome in a preclinical murine papillomavirus (MmuPV1) infection model

Megan Spurgeon

11.45 - PELP1 mediates human papillomavirus type 16 E6*1 Isoform production in cervical cancer

Andrea Cerasuolo

12.00 - Nuclear HPV16 E2 Foci Formation precedes Late E4 Protein Expression

Frank Stubenrauch

12.30 Lunch



14.00–17.00 Session 6: Cellular transformation II

Chairpersons: Karl Munger - Lavinia Ghiani

14.00 Cellular Plasticity in Papillomavirus-related Carcinogenesis -
Katerina STRATI

14.25 Exploring the Molecular Landscape of Vulvar Squamous Cell
Carcinoma
Maria Lina TORNESELLO

14.50 The cellular deacetylase SIRT1 in HPV-driven cancer
Marisa GARIGLIO

15.15 YAP activation drives HPV carcinogenesis
Elizabeth A. WHITE

15.40 Coffee break

16.10 Poster session with flash talks

- * A comprehensive review of the preclinical models for oral potentially malignant disorders and their progression to oral squamous cell carcinoma - Izge Shanlitourk
- * APOBEC3A/B--dependent oncogene regulation in HPV-induced cell transformation - Bhavani Gangupam
- * SIRT1 targeting as a potential radiosensitizing strategy in HPV-associated cancer - Marta Catozzo
- * Decoding Y chromosome loss in both HPV+ and HPV– HNSCC: unveiling Y-linked genes' role in tumor development - Carolina Scagliusi
- * Oncogenic properties of the E6 and E7 proteins of G-1 human papillomavirus type 4 - Paola Di Bonito
- * HPV integration and chromosomal instability in HPV-induced tumorigenesis - Yoke-Chen Chang
- * Impact of EBV on Genetic Mutations in DLBCL: A Study Employing Conventional and High-Sensitivity Detection Methods in a Cohort from Argentina - Paola Chabay

17.30 Adjourn

19.30 Departure by bus to the village of Maruggio

20.00 Dinner at the Masseria Pepe
(Return to the Hotel by bus)



Saturday, 7 June 2025

09.30–12.30 > Session 7: Virus–host interaction III

Chairpersons: Katerina Strati - Marisa Gariglio

09.30 Regulation of HPV replication by R-loops

Laimonis LAIMINS

09.55 Manipulation of chromatin state by the viral oncogene HPV E7

Amelie FRADET-TURCOTTE

10.20 Epithelial stemness and inflammation are intimately linked in HPV-driven carcinogenesis

Sigrun SMOLA

10.45 Coffee break

Short talks from selected abstracts

11.15 - Identification of disease-associated polyomaviruses from cynomolgus macaques undergoing stem cell transplantation

Gabriel Starrett

11.30 - A biological active cell penetrating peptide inhibiting the growth of HPV16-positive cervical cancer cells

Luisa Dassi

11.45 - The interactions of human papillomavirus E6 and E7 oncoproteins with cellular partners as targets for developing novel therapeutic strategies against HPV-induced cancers

Arianna Loregian

12.00 - HLA-G mediated susceptibility to HPV-related cervical lesions

Patricia Savio de Araujo Souza

12.15 - Large-scale DNA analyses reveal complex, variable structures resulting from rearrangements of HPV and human DNAs in an HPV-positive squamous carcinoma cell line

Eleanor Agosta



12.30 Lunch

14.00-17.30 > Session 8: Cellular transformation III

Chairpersons: James A. DeCaprio - Izge Shanlitourk

14.00 Non-Protein Targets and Effectors of HPVs

Karl MUNGER

14.25 Alternative 3D chromatin architecture in viruses leads to pathogenesis

Donna M. NEUMANN

14.50 Mouse models yield new insights into virus-positive Merkel cell carcinoma

Andrzej DLUGOSZ

15.15 Understanding how non-coding RNA networks contribute to oropharyngeal cancer outcome

Andrew MacDONALD

Short talks from selected abstracts

15.40 - The Impact of EBNA2 and LMP1 on T Cell Dynamics in Pediatric EBV Infection: A Study in Argentine Tonsils

Maria Eugenia Amarillo

15.55 - Influenza virus regulation of Smad signaling in macrophages: Theoretical and experimental approach

Kareem Awad

16.10 - Regulation of the expression of matrix metalloproteinases inhibitors by miRNAs in cells expressing HPV genes

Amanda Campos Nocera

16.25 - The Philippine Case: Viral Infection remains the Major Risk for Liver Cancer

Cyrollah Disoma



16.40 Coffee break

17.10 Poster session with flash talks:

- * Moderate SCRIB Expression Levels Are Associated with Poor Prognosis in OPSCC Patients Irrespective of HPV Status - Vjekoslav Tomaic
- * Comprehensive analysis of PANHPVAX-induced immune responses - Heiko Weyd
- * Deciphering the association between HPV oncoproteins and Polo-like kinase 1 - Ho Yin Luk
- * Characterization of the impact of HPV E7 oncogene on the functions of the E3-ubiquitin ligase RNF168 at stalled replication forks - Ottilie Le Doeuff
- * TSPyV small T antigen leads to accumulation of the hair follicle signaling effector b-catenin in transgenic mice - Li-Jyun Syu
- * NSD2 in Cervical and Head and Neck Cancers and its role on the regulation of epithelial differentiation - Farkhondeh Ghoryani
- * PD-L1 Expression by Macrophages and Myeloid-Derived Suppressor Cells in the Tumor Microenvironment of Epstein-Barr Virus-Associated Hodgkin Lymphoma in Pediatric Patients - Paola Chabay

18.00 End of meeting

20.30 Social dinner at the Bizantini Hotel and
The Massimo Tommasino award

Sunday, 8 June 2025

Departures: shuttle bus to the airport

SHUTTLE BUS DEPARTURES TO BRINDISI AIRPORT (90-minute drive)

BUS 1	04.00
BUS 2	08.30
BUS 3	12.30

USEFUL INFORMATION

Breakfast hours: 07.30/09.30

Check-in time: 14.00

Check-out time: 10.00

Free Wi-Fi

DRESS CODE FOR MEETING AND SOCIAL DINNER

Dress as you wish!

Co-sponsors



This is an ICGEB event



www.research.ieo.it



ORGANIZING SECRETARIAT

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