

WEDNESDAY APRIL 7

Room A 15.45-16:30

Opening ceremony

Welcome address by:

Local organizers: G. Campadelli-Fiume, C. De Giuli Morghen, G. Palù,

Italian political authorities: Ministers M.S. Gelmini and F. Fazio,

Scientific representatives: O. Haller, M. Da Costa, L. Enquist, R. Sandri-Goldin,.

Room A 16:30-19:00

Plenary Session: CHALLENGES IN VACCINE DEVELOPMENT AND INNATE IMMUNITY

Chair: G. Campadelli-Fiume, C. De Giuli Morghen, G. Palù

Title to be defined

Rino Rappuoli

Innate Immunity to Influenza Viruses

Otto Haller

Structure-assisted vaccine design for influenza virus and HIV-1

Ian Wilson

European Society for Clinical Virology - Gardner Lecture: 2009 Pandemic Influenza

Yoshihiro Kawaoka

REDEFINING VIROLOGY

Mimivirus and other giants of the virus world

Hiroyuki Ogata

Viral genomes are part of the phylogenetic tree of life.

L. Enquist

THURSDAY APRIL 8

Room A 08.30-10.30

HEPATITIS C VIRUS ROUNDTABLE – from bench to bedside

Chair: S. Abrignani, M. Rizzetto

Sergio Abrignani

Christian Bréchet

Mark Harris

Antonio Lanzavecchia

Jessica Zucman-Rossi

Room B 08.30-10.30

American Society for Microbiology Workshop: VIRUS-HOST INTERPLAY

Chair: L. Enquist, H. Hengel

08.30-09.00

Mechanisms of spread of herpesvirus infection in peripheral nervous system neurons

L. Enquist

09.00-10.30 ORAL COMMUNICATIONS

Room C 08.30-10.30

INTRINSIC AND INNATE IMMUNITY AND PATHOGENESIS

Chair: J. Luban, T. Stamminger

08.30-09.00

TRIM5 and Innate Immunity to HIV-1

J. Luban

09.00-10.30 ORAL COMMUNICATIONS

Room D 08.30-10.30

EPIDEMIOLOGY AND EVOLUTION

Chair: E. Domingo, G. Rezza

08.30-09.00

Mechanism of lethal mutagenesis, and implications for antiviral design

E. Domingo

09.00-10.30 ORAL COMMUNICATIONS

Room A 11.00-13.00

Plenary session: VIRUS STRUCTURE AND ENTRY

Chair: G. Campadelli-Fiume, O. Haller

X-ray structures of the surface glycoprotein complex of chikungunya virus: insight into alphavirus particle assembly and allosteric activation for entry

F. Rey

Structure and function of the influenza virus polymerase complex

R. Ruigrok

Using cell population context to study virus infection

L. Pelkmans

Receptor Recognition by Pandemic Influenza Viruses

J. Skehel

Room A 14.00-16.30

VIRUS-HOST INTERACTIONS

Chair: T. Enjuares, R. Sandri-Goldin

14.00-14.30

The Multifunctional Protein ICP27 Is a Pivotal Player during Herpes Simplex Virus Infection

R. Sandri-Goldin

14.30-16.30 ORAL COMMUNICATIONS

Room B 14.00-16.30

INFLUENZAVIRUSES

Chair: J. Ortin, I. Donatelli

14.00-14.30

Structural and functional analyses of influenza virus RNA replication

J. Ortin

14.30-16.30 ORAL COMMUNICATIONS

Room C 14.00-16.30

HIV

Chair: F. Kirchhoff, B. Berkhout

14.00-14.30

Role of Nef and Vpu in HIV and SIV pathogenesis and transmission

F. Kirchhoff

14.30-16.30 ORAL COMMUNICATIONS

Room D 14.00-16.30

ANTIVIRALS AND RESISTANCE

Chair: R. Whitley, N. Tordo

14.00-14.30

Recent Advances in Antiviral Therapy (Non-AIDS): Efficacy versus Resistance

R. Whitley

14.30-16.30 ORAL COMMUNICATIONS

FRIDAY APRIL 9

Room A 08.30-10.30

VIRAL GLYCOPROTEINS AND RECEPTORS

Chair: F.X. Heinz, F.L. Cosset

08.30-09.00

Molecular mechanisms of flavivirus membrane fusion

F.X. Heinz

09.00-10.30 ORAL COMMUNICATIONS

Room B 08.30-10.30

DNA VIRUSES

Chair: G. L. Smith, F. Buonaguro

08.30-09.00

Repulsion of super-infecting virions: A mechanism for rapid virus spread

G. L. Smith

09.00-09.30
HPV not just the cause of cervical cancer
M. Stanley

09.30-10.30 ORAL COMMUNICATIONS

Room C 08.30-10.30
RELEVANT CLINICAL INFECTIONS: VIRAL GASTROENTERITIS AND PARVOVIRUS B19
Chair: P. Coyle, M. Koopmans

08.30-09.00
Race against the clock: the molecular epidemiology of noroviruses
M. Koopmans

09.00-09.30
Fetal loss following Parvovirus B19 infection - how big is the problem and are the public health measures in Europe adequate to prevent it
P. Coyle

09.30-10.30 ORAL COMMUNICATIONS

Room D 08.30-10.30
HEPATITIS VIRUSES
Chair: M. Harris, P. Mavromara

ORAL COMMUNICATIONS

Room A 11.00-13.00
Plenary session: GLOBAL IMPACT OF VIRAL PERSISTENCE
Chair: B. Lina, T. Mertens

New Insights into Hepatitis C Virus Replication and Persistence
Ralf Bartenschlager

The Development of an AIDS Vaccine: Lessons from the past and future challenges for simian models
Neil Almond

Have herpes simplex viruses hijacked the DNA silencing machinery of host cells to establish latent infections?
Bernard Roizman

Papillomaviruses and human cancer: different virus types ask for different prevention strategies
Herbert Pfister

Room A 14.00-16.30
EMERGING VIRUSES AND ZONOSSES
Chair: A. Osterhaus, N. Tordo

14.00-14.30
Detection and prevention strategies for emerging viruses
Albert Osterhaus

14.30-15.00
Zoonoses
Noël Tordo

15.00-16.30 ORAL COMMUNICATIONS

Room B 14.00-16.30

ADAPTIVE IMMUNITY AND IMMUNE PREVENTION

Chair: G.K. Hedestam, S. Landolfo

14.00-14.30

Evolution of B cell sub-populations and neutralizing antibodies in response to HIV-1 envelope glycoprotein immunization

G. Karlsson Hedestam

14.30-16.30 ORAL COMMUNICATIONS

Room C 14.00-16.30

HERPESVIRUSES – ONCOGENESIS AND SIGNALING

Chair: B. Fleckenstein, T. Schultz

14.00-14.30

Viral oncoproteins in lymphocyte transformation

Bernhard Fleckenstein

14.30-16.30 ORAL COMMUNICATIONS

Room D 14.00-16.30

DIAGNOSTICS AND MOLECULAR TYPING

Chair: H. Niesters, E. Puchhammer

14.00-14.30

Molecular diagnostics in clinical virology. What is next?

H. Niesters

14.30-16.30 ORAL COMMUNICATIONS

SATURDAY APRIL 10

Room A 08.30-10.30

RETROVIRUSES

Chair: C. Bangham, M. Pistello

08.30-09.00

How does HTLV-1 persist in vivo?

Charles R. M. Bangham

09.00-10.30 ORAL COMMUNICATIONS

Room B 08.30-10.30

SYSTEMS BIOLOGY OF VIRAL REPLICATION

Chair: P. Ghazal, K. Saksela

08.30-09.00

Systems analysis of innate immune mechanisms in infected macrophages

P. Ghazal

09.00-10.30 ORAL COMMUNICATIONS

Room C 08.30-10.30

ONCOLYTIC VIRUSES AND GENE THERAPY

Chair: R. Cattaneo, R. Manservigi

08.30-09.00

Viruses as cancer therapeutics: Three attack points

R. Cattaneo

09.00-10.30 ORAL COMMUNICATIONS

Room D 08.30-10.30

PLANT VIRUSES

Chair: G. Martelli, R. Flores

08.30-09.00

Viroid-host interactions: recent advances in replication, movement and pathogenesis

R. Flores

09.00-09.30

The cell nucleus and plant virus systemic infections

M. Taliany

09.30-10.30 ORAL COMMUNICATIONS

Room A 11.00-13.00

Plenary session: NOVEL FRONTIERS IN VIROLOGY

Chair: C. De Giuli Morghen, G. Palù

Discovery of a New Human Tumor Virus, Merkel Cell Polyomavirus (MCV)

Yuan Chang

Targeting gene transfer by microRNA regulation and site-specific integration

Luigi Naldini

Gesellschaft für Virologie - Loeffler Frosch medal

From Rous sarcoma to cancer genomics: the emergence of therapeutic targets

Peter Vogt

Italian Society for Virology - Pioneer in Virology lecture

Pygmalion dreams while moulding CMV

Ulrich Koszinowski

Room A 14.00-16.30

ALPHA AND BETA HERPESVIRUSES. REPLICATION AND GENETICS

Chair: *T. Mettenleiter*,

14.00-14.30

Assembly and Exit Pathway of Herpesviruses

T. Mettenleiter

09.30-10.31 ORAL COMMUNICATIONS

Room B 14.00-16.30

RNA VIRUSES

Chair: K. Conzelmann, F. Ruggeri

14.00-14.30

Genetics and host cell interplay of Mononegavirales: Conquering worlds with a handful of genes

Karl-Klaus Conzelmann

09.30-10.32 ORAL COMMUNICATIONS

Room C 14.00-16.30

DIAGNOSTICS AND ANTIVIRALS

Chair: J. Balzarini, A. Capobianchi

ORAL COMMUNICATIONS

Room D 14.00-16.30

VIRUS STRUCTURE, ASSEMBLY AND EXIT

Chair: C. Risco, C. Parolin

14.00-14.30

3D EM and macromolecular mapping unveil the unique architecture of virus factories

C. Risco

14.30-16.30 ORAL COMMUNICATIONS

SUNDAY APRIL 11

Room A 08.30-10.00

VIRAL PERSISTENCE AND IMMUNE EVASION

Chair: N. Mueller Lantzsch, H. Wolff

08.30-09.00

Gesellschaft für Virologie - Loeffler-Frosch Lecture and Prize

Arenaviruses: immunity, immunopathology and vaccines

D. Pinschewer

09.30-10.00 ORAL COMMUNICATIONS

Room B 08.30-10.00

VIRAL INFECTIONS IN TRANSPLANT RECIPIENTS

Chair: P. Griffiths, G. Gerna

08.30-09.00

Control of cytomegalovirus in transplant patients

P. Griffiths

09.00-10.00 ORAL COMMUNICATIONS

Room C 08.30-10.00

NEGATIVE STRANDED RNA VIRUSES

Chair: P. Rottier, L. Svensson

ORAL COMMUNICATIONS

Room D 08.30-10.00

VIRAL GLYCOPROTEINS AND ENTRY

Chair: A. Alcamì, U. Greber

ORAL COMMUNICATIONS

Room A 10.05-10.50

Plenary session: EUROPEAN SOCIETY FOR VIROLOGY AWARD (EVA)

Chair: O. Haller

Pandemic Influenza Viruses: Past and Future

Peter Palese

Room A 11.15-12.45

SILENCING OF GENE EXPRESSION

Chair: S. Pfeffer,

11.15-11.45

Biological roles of virus-encoded microRNAs

S. Pfeffer

11.45-12.45 ORAL COMMUNICATIONS

Room B 11.15-12.45

VACCINES

Chair: T. Schwarz, A. Zanetti

11.15-11.45

AH1N1 pandemic influenza in Italy: challenges and lesson learned

A. Zanetti

11.45-12.15

Immune response to human papillomavirus after prophylactic vaccination

T. Schwarz

12.15-12.45 ORAL COMMUNICATIONS

Room C 11.15-12.45

ENDOGENOUS RETROVIRUSES AND NEUROVIROLOGY

Chair: M. Palmarini, A. Dolei,

11.15-11.45

Novel co-evolutionary mechanisms between endogenous retroviruses and their host

M. Palmarini

11.45-12.45 ORAL COMMUNICATIONS

Room D 11.15-12.45

VIRAL INFECTIONS IN PREGNANCY

Chair: D. Wolf, M.G. Revello

11.15-11.45

Diagnosis and management of primary Cytomegalovirus infection in pregnancy: A 20-year experience on 582 women

M.G. Revello

11.45 – 12.45 ORAL COMMUNICATIONS

Room A 12.45-13.00

CLOSING REMARKS & FINAL EVALUATION

G. Campadelli-Fiume, C. De Giuli Morghen, G. Palù