



**ITALY-USA COLLABORATIVE PROGRAMME
REPORT MEETING**

April 15-16, 2009

PROGRAMME

Aula Pocchiarì
Istituto Superiore di Sanità
Viale Regina Elena, 299 - Rome

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REPORT MEETING
April 15-16, 2009

WEDNESDAY, APRIL 15, 2009

OPENING CEREMONY

9.00 Introductory remarks
Enrico Garaci

Authorities welcome address

SESSION 1: CANCER

Chairpersons: **Claudio Belluco, Sergio Pecorelli**

9.30 *Early cancer detection by serumproteomics*
Lance A. Liotta

10.00 *Prognostic and therapeutic potential of phosphoproteomics in cancer*
Emanuel F. Petricoin

10.30 *Role of microRNAs in cancer pathogenesis*
Carlo M. Croce

11.00 Coffee break

Chairpersons: **Giovanni Muto, Marco Pierotti**

11.30 *MicroRNAs in normal and malignant B cells*
Riccardo Dalla Favera

12.00 *Cancer stem cell targeting: a shortcut for effective cancer therapy?*
Ruggero De Maria

12.30 *Strategies for enhancing and monitoring the response to immunotherapy in cancer patients*
Filippo Belardelli

13.00 Lunch

SESSION 2: RARE DISEASES: FROM PATHOGENESIS TO TREATMENT

Chairpersons: **Generoso Andria, Domenica Taruscio**

- 14.00 *Identification of genetic factors responsible for rare disorders with congenital heart defect*
Alessandro De Luca, Bruno Dallapiccola
- 14.10 *Dysregulation RAS signalling in Noonan Syndrome and related disorders*
Marco Tartaglia
- 14.20 *Genotype/phenotype analysis of neurodegenerative and aging-prone syndromes caused by mutations in the DNA damage response/repair pathway*
Domenico Delia
- 14.30 *Neurological impairment in Niemann-Pick C Disease: a multidisciplinary study on the role of excitatory neurotransmitter receptors and identification of peripheral biomarkers*
Claudio Frank
- 14.40 *Hepatoblastoma as model of rare tumors*
Marco Salvatore
- 14.50 *Characterization of genetic and cytogenetic alterations in salivary gland tumors*
Federica Censi
- 15.00 *Genetic and clinical aspects of rare lymphomas*
Giandomenico Russo
- 15.10 *Angiogenesis and inflammation as target for retinoblastoma therapy*
Adriana Albini
- 15.20 *Combined treatment with statins and aminobisphosphonates in mandibuloacral dysplasia fibroblasts*
Giuseppe Novelli
- 15.30 *Gene therapy for Huntington's Disease*
Michael Kaplitt

SESSION 3: IMMUNITY AND INFECTIOUS DISEASES

Chairpersons: **Antonio Cassone, Paola Verani**

- 15.50 *Italy-USA joint programme for the development of a vaccine against HIV/AIDS*
Barbara Ensoli
- 16.05 *Infections and cancer: epidemiological and molecular aspects of the HHV-8/Kaposi's sarcoma oncovirological model*
Giovanni Rezza
- 16.20 *New mechanisms of Mycobacterium tuberculosis immune evasion: inhibition of CD1 expression and lipid-antigen presentation via CR3 dependent p38 signaling in infected human DC precursor*
Roberto Nisini
- 16.30 *New mechanisms of Mycobacterium tuberculosis immune evasion: Mtb induces a bystander effect on DC differentiation through the release of IL-10*
Eliana M. Coccia
- 16.40 Coffee break
- 17.10 *A multiple approach-based study on the mechanisms of protection against pertussis*
Clara Maria Ausiello
- 17.20 *Study and validation of underexplored molecular processes in Plasmodium as potential drug targets for new intervention strategies*
Marta Ponzi
- 17.30 *Design, synthesis and microbiological studies on new inhibitors of HIV virus integrase*
Lucia Palmisano
- 17.40 *Molecular and antigenic evolution of rotavirus strains of human and animal origin*
Franco Maria Ruggeri
- 17.50 *Generation of regulatory T-lymphocytes for the control of inflammatory bowel diseases*
Monica Boirivant
- 18.00 Discussion

THURSDAY, APRIL 16, 2009

SESSION 4: NEUROSCIENCE

9.30 *Introductory remarks*
Rita Levi-Montalcini

10.00 Ceremony

11.00 Coffee break

Chairpersons: **Giorgio Bernardi, Maurizio Pocchiari**

11.30 *Good gene, bad gene: new APP variant may be both*
Fabrizio Tagliavini

11.40 *Strategies to assay communication deficits in animal models of Autism*
Laura Ricceri

11.50 *Early risk factors for neuropsychiatric diseases*
Enrico Alleva

12.00 *Immunopathogenesis of Multiple Sclerosis*
Francesca Aloisi

12.10 *Adenosine receptor in striatal function*
Patrizia Popoli

12.20 Discussion

INVITED SPEAKERS AND CHAIRPERSONS

Adriana Albini - Oncology Research Area, Scientific and Technological Center, IRCCS Multimedica, Milan, Italy

Enrico Alleva - Department of Cell Biology and Neurosciences, Istituto Superiore di Sanità, Rome, Italy

Francesca Aloisi - Department of Cell Biology and Neurosciences, Istituto Superiore di Sanità, Rome, Italy

Generoso Andria - Department of Pediatrics, University of Naples "Federico II", Naples, Italy

Clara Maria Ausiello - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Filippo Belardelli - Department of Cell Biology and Neurosciences, Istituto Superiore di Sanità, Rome, Italy

Claudio Belluco - Department of Surgical Oncology, National Cancer Institute CRO-IRCCS, Aviano, Italy

Giorgio Bernardi - Department of Neurosciences, University of Rome "Tor Vergata", Rome, Italy

Monica Boirivant - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto di Sanità, Rome, Italy

Antonio Cassone - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Federica Censi - National Center of Rare Diseases, Istituto Superiore di Sanità, Rome, Italy

Eliana M. Coccia - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Carlo M. Croce - Department of Molecular Virology, Immunology and Medical Genetics, The Ohio State University Comprehensive Cancer Center, Columbus, OH, USA

Riccardo Dalla Favera - Institute for Cancer Genetics, Columbia University Health Sciences Division, New York, NY, USA

Bruno Dallapiccola - IRCCS Istituto Casa Sollievo della Sofferenza - Mendel, Rome, Italy

Domenico Delia - Department of Experimental Oncology and Molecular Medicine, Fondazione IRCCS Istituto Nazionale Tumori, Milan, Italy

Alessandro De Luca - IRCCS Istituto Casa Sollievo della Sofferenza - Mendel, Rome, Italy

Ruggero De Maria - Department of Hematology, Oncology and Molecular Medicine, Istituto Superiore di Sanità, Rome, Italy

Barbara Ensoli - National AIDS Center, Istituto Superiore di Sanità, Rome, Italy

Claudio Frank - Department of Therapeutic Research and Medicines Evaluation, Istituto Superiore di Sanità, Rome, Italy

Enrico Garaci - Istituto Superiore di Sanità, Rome, Italy

Michael Kaplitt - Weill Medical College of Cornell University, New York, NY, USA

Rita Levi-Montalcini - European Brain Research Institute, Rome, Italy

Lance A. Liotta - Center for Applied Proteomics & Molecular Medicine, George Mason University, Manassas, VA, USA

Giovanni Muto - San Giovanni Bosco Hospital, Turin, Italy

Roberto Nisini - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Giuseppe Novelli - Faculty of Medicine and Surgery, University of Rome "Tor Vergata", Rome, Italy

Lucia Palmisano - Department of Therapeutic Research and Medicines Evaluation, Istituto Superiore di Sanità, Rome, Italy

Sergio Pecorelli - Faculty of Medicine and Surgery, University of Brescia, Brescia, Italy

Emanuel F. Petricoin - Center for Applied Proteomics & Molecular Medicine, George Mason University, Manassas, VA, USA

Marco A. Pierotti - Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

Maurizio Pocchiari - Department of Cell Biology and Neurosciences, Istituto Superiore di Sanità, Rome, Italy

Marta Ponzi - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Patrizia Popoli - Department of Therapeutic Research and Medicines Evaluation, Istituto Superiore di Sanità, Rome, Italy

Giovanni Rezza - Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanità, Rome, Italy

Laura Ricceri - Department of Cell Biology and Neurosciences, Istituto Superiore di Sanità, Rome, Italy

Franco Maria Ruggeri - Department of Food Safety and Animal Health, Istituto Superiore di Sanità, Rome, Italy

Giandomenico Russo - Istituto Dermatologico dell'Immacolata, IDI, Rome, Italy

Marco Salvatore - National Center of Rare Diseases, Istituto Superiore di Sanità, Rome, Italy

Fabrizio Tagliavini - Fondazione IRCCS Istituto Neurologico "Carlo Besta", Milan, Italy

Marco Tartaglia - Department of Hematology, Oncology and Molecular Medicine, Istituto Superiore di Sanità, Rome, Italy

Domenica Taruscio - National Center of Rare Diseases, Istituto Superiore di Sanità, Rome, Italy

Paola Verani - Istituto Superiore di Sanità, Rome, Italy

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GENERAL INFORMATION

Venue

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