



INTERNATIONAL MEETING

Istituto Superiore di Sanità
Rome, Italy
October 1-3, 2008

NEEDS AND CHALLENGES IN TRANSLATIONAL MEDICINE: *Filling the Gap between Basic Research and Clinical Applications*

SCIENTIFIC PROGRAMME

DAY 1 (WEDNESDAY, OCTOBER 1, 2008)

REGISTRATION (8:30 - 9:00)

Opening Ceremony

9:00 - 9:45

F. Fazio, Undersecretary, Italian Ministry of Labour, Health and Social Welfare
E. Garaci, President, Italian National Institute of Health
L. Maiani, President, Italian National Research Council

R. Levi-Montalcini (Nobel Laureate, 1986)

Opening Lecture

9:45 - 10:00

M. Hallen (DG Research)

Needs and challenges in translational medicine: filling the gap between basic research and clinical applications

Session 1 CANCER (10:00 - 13:30)

Chairpersons: F. Cognetti, P.G. Pelicci

10:00 - 10:20

L.A. Liotta (USA)

Cancer proteomics in the discovery of new biomarkers for diagnosis and treatment

10:20 - 10:40

C.M. Croce (USA)

Micro-RNAs and perspectives for cancer therapy

10:40 - 11:00

G.J. Nabel (USA)

Rational vaccine design: immune approaches to cancer and infectious diseases

11:00 - 11:20

M.A. Pierotti (Italy)

Challenges for translational research on cancer and the role of 'Alliance against Cancer' in Italy

11:20 - 11:40

Coffee Break

Chairpersons: R. De Maria, L.G. Spagnoli

11:40 - 12:00

F. M. Marincola (USA)

Predicting the immunologic constant of rejection

12:00 - 12:20

C.J.M. Melief (The Netherlands)

Tumor-specific immunity in cervical cancer patients by a human papillomavirus type 16 E6 and E7 peptides vaccine: perspectives for the development of therapeutic vaccines

12:20 - 12:40

C. Messa (Italy)

Novel imaging strategies for the detection and monitoring of cancer

12:40 - 13:00

P. Boyle (France)

The global problem of cancer: the priority to develop translational research

13:00 - 13:10

D. Bonci (Italy)
Short communication

The miR-15a/miR-16-1 cluster controls prostate cancer progression by targeting multiple oncogenic activities

13:10 - 13:20

E. Proietti, P. Nisticò (Italy)
Short communication

Combination of immunotherapy with chemotherapy to redirect the antitumor immune response: from preclinical studies to patients

13:20 - 13:30

F. Podo (Italy)
Short communication

Molecular imaging and functional genomics approaches on choline metabolism in ovarian cancer

Lunch

13:30 - 14:30

POSTER SESSION

Session 2 NEUROSCIENCES (14:30 - 17:40)

Chairpersons: E. Alleva, M. Pocchiari

14:30 - 14:50	C.L. Masters (Australia)	Rational therapeutic strategies for modifying Alzheimer's disease: translating basic research on A-beta amyloid oligomers
14:50 - 15:10	K.A. Nave (Germany)	Inherited demyelinating neuropathies: from basic to clinical research
15:10 - 15:30	M. Salvetti (Italy)	Multiple sclerosis: pharmacogenomics and personalized drug treatment
15:30 - 15:50	Coffee Break	
15:50 - 16:10	K.P. Lesch (Germany)	Long story short: serotonin transporter in emotion, social cognition, and depression
16:10 - 16:30	S. Di Donato (Italy)	Challenges for translational research in neurodegenerative diseases: a neurogenetic view
16:30 - 16:50	R. Will (UK)	Creutzfeldt-Jakob disease and translational medicine
16:50 - 17:10	A. Aperia (Sweden)	Understanding the molecules that determine behavior; a basis for development of new drugs in neuro-psychiatric disease
17:10 - 17:20	L. Minghetti (Italy) Short communication	F ₂ -isoprostane in umbilical cord plasma as biomarker of oxidant injury in high risk newborns
17:20 - 17:30	A. Vitale (Italy) Short communication	The 3Rs model and the use of non-human primates in Parkinson's disease studies
17:30 - 17:40	S. Principe (Italy) Short communication	Mass spectrometry determination of the quantitative ratio of PRP ^{TSE} allotypes in individuals with genetic transmissible spongiform encephalopathies

DAY 2 (THURSDAY, OCTOBER 2, 2008)

Session 3 RARE DISEASES (8:40 - 11:00)

Chairpersons: D. Taruscio, A. Macri

8:40 - 9:00	S.C. Groft (USA)	The role of the NIH Office of Rare Diseases in fostering translational research
9:00-9:20	D. Taruscio (Italy)	Challenges for translational research in rare diseases: the E-Rare experience
9:20 - 9:40	L. Villard (France)	The European Network on Rett Syndrome
9:40 - 10:00	G. Merlini (Italy)	Systemic amyloidosis: molecular mechanisms and targeted therapy
10:00 - 10:20	A. Ballabio (Italy)	Block of autophagy in lysosomal storage disorders and therapeutic implications

10:20 - 10:40	S. Garattini (Italy)	Clinical trials for the treatment of rare diseases
10:40 - 10:50	R.M. Salvioli (Italy) Short communication	Gaucher disease: from basic research to therapy
10:50 - 11:00	A. Magrelli (Italy) Short communication	MicroRNA and rare tumors: the hepatoblastoma example
11:00 - 11:20	Coffee Break	

Session 4 CARDIOVASCULAR DISEASES (11:20 - 13:40)

Chairpersons: L. Frati, V. Macellari

11:20 - 11:40	G. Condorelli (Italy)	New therapeutic approaches for heart failure treatment
11:40 - 12:00	M.H. Yacoub (UK)	Heart failure: from basic research to clinical applications
12:00 - 12:20	A. Mantovani (Italy)	The long pentraxin PTX3 from innate immunity to vascular pathology
12:20 - 12:40	M. Bartoli (USA)	Molecular mechanisms of retinal vessel dysfunction and clinical implications
12:40 - 13:00	A. Dominiczak (UK)	Genomics, proteomics and other omics in cardiovascular medicine
13:00 - 13:20	A.M. Zeiher (Germany)	Autologous progenitor cell administration for regenerative cardiovascular therapies
13:20 - 13:30	F. Garibaldi (Italy) Short Communication	New perspectives in molecular imaging of cardiovascular diseases
13:30 - 13:40	F. Malchiodi-Albedi (Italy) Short Communication	RAS signalling blockade as a therapeutic approach against early neuroglial dysfunction in diabetic retinopathy
13:40 - 14:40	Lunch POSTER SESSION	

Session 5 INFECTIOUS AND AUTOIMMUNE DISEASES (14:40 - 17:40)

Chairpersons: A. Cassone, B. Ensoli

14:40 - 15:00	H. Hengartner (Switzerland)	Immune response to viral infection: challenges for therapeutic intervention
15:00 - 15:20	B. Autran (France)	The quest for immune correlates protection against AIDS: lessons from long term non progressors and from therapeutic immunisation
15:20 - 15:40	B. Singh (Canada)	Impaired dendritic cell function compromises immune function in type 1 and type 2 diabetes
15:40 - 16:00	Coffee Break	

Chairpersons: G. Ippolito, S. Vella

16:00 - 16:20	A.D. Santin (USA)	Therapeutic dendritic cell-based vaccines against HPV-induced tumors
16:20 - 16:40	P. von Landenberg (Germany)	TLRs and autoimmune diseases
16:40 - 17:00	V. Barnaba (Italy)	Insights into the mechanisms of cross-presentation and immune-regulation in infectious and autoimmune diseases
17:00 - 17:10	F. Aloisi (Italy) Short Communication	Translating new data on multiple sclerosis pathogenesis into novel therapeutic concepts
17:10 - 17:20	A. Cassone (Italy) Short Communication	Cross-kingdom vaccines: dogma and heresy
17:20 - 17:30	F.M. Buonaguro (Italy) Short Communication	Morphogenomic immune responsiveness to preventive/therapeutic vaccines
17:30 - 17:40	E.M. Coccia (Italy) Short Communication	IFN- β as a natural adjuvant to improve BCG vaccination

DAY 3 (FRIDAY, OCTOBER 3, 2008)

Session 6 CRITICAL REGULATORY ISSUES FOR PROMOTING BIOMEDICAL TRANSLATIONAL RESEARCH (9:00 -11:05)

Chairpersons: C. Pini, M. Bettoni

9:00 - 9:20	H.-G. Eichler (UK)	EMA's role and activities for promoting translational medicine in Europe
9:20 - 9:40	C.-L. Julou (Belgium)	The sponsors' point of view on the critical regulatory issues at European level impacting on translation from laboratory to bedside
9:40 - 10:00	U. Kalinke (Germany)	How implementation of the European clinical trials directive has impacted on the approach to translational medicine in Germany
10:00 - 10:20	H.M. Buchanan-Smith (UK)	The state of the art of regulatory aspects of the use of animals in biomedical studies: the case of non-human primates
10:20 - 10:35	A. Meneguz (Italy)	Regulatory challenges in first in man clinical trial with advanced therapy
10:35- 10:50	M.C. Galli (Italy)	Towards a European harmonisation of the requirements for first clinical use of advanced therapy medicinal products: preclinical requirements for gene therapy medicinal products
10:50 - 11:05	G. Migliaccio (Italy)	Towards a European harmonisation of the requirements for first clinical use of advanced therapy medicinal products: preclinical requirements for cell-based medicinal products
11:05 - 11:25	Coffee Break	

Session 7 NATIONAL AND INTERNATIONAL INITIATIVES FOR PROMOTING BIOMEDICAL TRANSLATIONAL AND CLINICAL RESEARCH (11:25 - 13:25)

Chairpersons: E. Garaci, G. Rasi

11:25 - 11:40	R. Balling (Germany)	EATRIS: towards a European infrastructure for biomedical translational research
11:40 - 11:55	J. Demotes-Mainard (France)	ECRIN: towards a European infrastructure for clinical research
11:55 - 12:10	K. Zatloukal (Austria)	BBMRI: the Pan-European research infrastructure for biobanks and biomolecular resources
12:10 - 12:20	G. Tocchini-Valentini (Italy)	INFRAFRONTIER: the European infrastructure for phenotyping and archiving of model mammalian genomes
12:20 - 12:35	F. Belardelli (Italy)	The Italian initiative for biomedical translational research
12:35 - 12:50	I. Ragan (UK)	The Innovative Medicine Initiative (IMI) and challenges in translational research
12:50 - 13:05	L. Matrisian (USA)	Transforming translational cancer research: the role of the National Cancer Institute
13:05 - 13:15	C. Lombardo (Italy)	Coordinating cancer research in Europe: the role of Member States
13:15 - 13:25	U. Ringborg (Sweden)	Coordinating translational cancer research in Europe: the role of the OECI
13:25	CLOSURE OF THE MEETING	

INTERNATIONAL SCIENTIFIC COMMITTEE

E. Garaci (Honorary President)
R. Balling (Germany)
F. Belardelli (Italy)
J. Demotes-Mainard (France)
S. Garattini (Italy)
F. Marincola (USA)
M. Pierotti (Italy)
K. Zatloukal (Austria)

NATIONAL SCIENTIFIC COMMITTEE

E. Alleva
M. Ferrantini
C. Lombardo
G. Migliaccio
M. Minetti
T. Petrucci
M. Pocchiari
F. Podo
M. Tartaglia
D. Taruscio

LOCAL ORGANIZING COMMITTEE

C. D'Addazio
A. Ferrigno
F. Moretti
M. Romero
E. Rosa
U. Visconti

SECRETARIAT

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INVITED SPEAKERS AND CHAIRPERSONS

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

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Andrea Ballabio, Telethon Institute of Genetics and Medicine (TIGEM), Napoli, Italy

Rudi Balling, Helmholtz Centre for Infection Research, Braunschweig, Germany

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Manuela Bartoli, University of South Carolina School of Medicine, Columbia, SC, USA

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Monica Bettoni, General Director, Istituto Superiore di Sanità, Rome, Italy

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