

4th Italian experience in biomedical research: young minds at work

Desenzano del Garda (BS) • Park Hotel
18-19 november, 2016



Abstract book will be available at
www.siv-isv.org

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Dear Colleagues,

We are pleased to announce the **4th Annual Italian Experience in Biomedical Research: Young Minds at Work**, which will take place in Desenzano del Garda (BS) on the 18th and 19th of November, 2016.

This conference is open to young scientists from across all biomedical disciplines involved in innovative research (PhD students, postgraduates, Post-Doctoral Scientists, etc.). This meeting represents a unique opportunity for young scientists and researchers to gain exposure and visibility, while exchanging knowledge and fostering meaningful interactions to facilitate future projects and collaborations. Furthermore, this experience may inspire the development of new programs such as the integration of PhD and Specialization programs, the establishment of nationwide standards, and additional European funding.

In keeping with the tradition established in previous editions of this meeting, students will play a fundamental role in both the organization of the conference and its scientific content. English is the official language for written and oral communications at the meeting. Participants interested in presenting their work are invited to submit an English Abstract (300 words maximum) with the following format: Title, Affiliation, Background, Methods, Results, Conclusion.

A committee will review submitted abstracts and select those to be presented. Each presentation will be limited to 15 minutes, with 5 minutes for questions. Each presentation will be evaluated and the top three presentations will be awarded.

Registration is free, however, the conference will host a maximum of 100 participants. The registration will include access to the presentations as well as coffee breaks, and lunch for the 19th of November. All additional costs (travel, hotel bookings etc.) will be at the expense of the participants. There are affordable hotels available near the Congress Center, and we will soon provide a list of room rates. The deadline for both conference registration and abstract submission is **October 30th, 2016**; and must be submitted via mail to: elisabetta.rossi01@gmail.com

We look forward to receiving submissions from across all biomedical research divisions, from young research scientists in your programs and departments. Please feel free to share this invitation with anyone who might be interested in attending.

Your participation in this conference is important to us, and we hope to meet you in Desenzano del Garda!

Kind regards,

Dott.ssa Francesca Caccuri
Dott.ssa Arianna Calistri
Dott. Nicasio Mancini

Friday, November 18

PARTECIPANTS REGISTRATION

h 12.30-13.30

OPENING AND WELCOME

h 13.40-14.00

Giorgio Palù, Massimo Clementi, Arnaldo Caruso



INNOVATIVE STRATEGIES IN VACCINATION

*Chairman: **Francesca Caccuri***

h 14.00-14.45 Carlos A. Guzman, *Helmholtz Center for Infection Research, Braunschweig, Germany*
c-di-nucleotides promising tools to tailor immune responses to vaccination

GENERAL VIROLOGY

*Chairman: **Andrea Civra, Arcangelo Pepe***

h 14.45-15.00 Barbara Montico, *Centro di Riferimento Oncologico, Aviano, Italy*
Phospholipid scramblase 1 as a possible regulator of EBV replication in B cells

h 15.00-15.10 Irene Cassaniti, *Fondazione IRCCS Policlinico San Matteo, Pavia, Italy*
Evaluation of EBV-specific T-cell memory response in kidney transplant recipients

h 15.10-15.25 Andrea Civra, *University of Turin, Turin, Italy*
Oxysterols as inhibitors of human rotavirus infection: mechanism of action and target identification

h 15.25-15.40 Giovanna Desole, *University of Padua, Padua, Italy*
Susceptibility and innate antiviral response of human neural cells to Zika virus and West Nile virus infection

h 15.40-15.50 Valeria Caputo, *University "Vita-Salute" San Raffaele, Milan, Italy*
Biotechnological approaches for the study of JCPyV viral variants involved in PML etiopathogenesis

h 15.50-16.05 Arcangelo Pepe, *University of Palermo, Palermo, Italy*
Waterborne Norovirus outbreak at a seaside resort near Taormina

h 16.05-16.20 Floriana Bonura, *University of Palermo, Palermo, Italy*
Epidemiological dynamics and genetic diversity of Norovirus in Palermo

h 16.20-16.35 Greta Forlani, *University of Insubria, Varese, Italy*
The Class II transactivator CIITA acts as HIV-1 restriction factor in human myeloid cells by inhibiting Tat-dependent HIV-1 LTR transactivation and viral replication

h 16.35-16.50 Farah Bou Nasser Eddine, *University of Insubria, Varese, Italy*

CIITA-driven MHC class II tumor cells prime in vivo naïve CD4⁺ T cells to induce efficient anti-tumor immunity

BREAK

h 16.50-17.05

ONCOGENIC VIRUSES AND EXPERIMENTAL ONCOLOGY

*Chairman: **Marco Baratella, Margherita di Somma***

h 17.05-17.20 Lorenzo Messa, *University of Padua, Padua, Italy*

Structural rearrangements of high-risk HPV E6 oncoprotein confer differential transforming capacities

h 17.20-17.35 Greta Forlani, *University of Insubria, Varese, Italy*

The constitutive activation of NF- κ B pathway by the HTLV-1 Tax-1 viral oncogene is inhibited by the MHC class II transactivator CIITA

h 17.35-17.50 Marco Baratella, *University of Insubria, Varese, Italy*

Cytoplasmic localization of HTLV-1 HBZ oncoprotein is an unprecedented biomarker of HTLV-1-associated myelopathy/tropical spastic paraparesis (HAM/TSP) syndrome

h 17.50-18.05 Francesca Biavasco, *University "Vita-Salute"*

San Raffaele, Milan, Italy

Design and validation of a comprehensive next generation sequencing panel to characterize myeloid malignancies

h 18.05-18.20 Margherita di Somma, *University of Brescia, Brescia, Italy*

Identification and characterization of pro-oncogenic low frequency VEGFR2 mutations

h 18.20-18.35 Wandert Schaafsma, *HistoCell co., Parque tecnologico,*

De Bizkaia, Spain

Human brown/beige adipocytes derived from human mesenchymal stem cells (hAMSCs) activate the angiogenic process

h 18.35-18.50 Marta Comini, *Spedali Civili, Brescia, Italy*

Derivation and characterization of primary tumor cell lines for an in vitro model to improve the efficacy of haploidentical stem cell transplantation

h 18.50-19.05 Chiara Marchiori, *University of Padua, Padua, Italy*

Colorectal cancer: the role of CD80 in the early stages of immune surveillance

Saturday, November 19

BACTERIOLOGY:

Microbiome, Biofilm and therapeutic intervention

Chairman: **Giacomo Pini, Maria D'Accolti**

h 08.30-08.45 Giulia Landini, University of Siena, Siena, Italy

Antimicrobial activity of N-acetylcysteine against clinically relevant respiratory pathogens grown in planktonic phase and in biofilm

h 08.45-08.55 Roberto Ferrarese, University "Vita-Salute" San Raffaele, Milan, Italy

Characterization of microbiome composition in oral and fecal samples of patients with autoimmune pancreatitis

h 08.55-09.10 Giacomo Pini, University "Vita-Salute" San Raffaele, Milan, Italy

Role of the enteric bacterial microbiome in predicting clinical outcomes of patients undergoing allogeneic hematopoietic stem cell transplantation: results of a prospective study

h 09.10-09.25 Maria D'Accolti, University of Ferrara, Ferrara, Italy

Impact of a probiotic-based cleaning intervention on the microbiota ecosystem of the hospital surfaces

Drug resistance and immune escape

Chairman: **Gianluigi Franci, Monica Carraro**

h 09.25-09.40 Gianluigi Franci, Seconda Università of Naples, Naples, Italy

The epigenetic modulator UVI5008 versus methicillin resistant *Staphylococcus aureus*

h 09.40-09.55 Monica Carraro, University of Siena, Siena, Italy

Lung leukocytes as biomarkers of Pneumococcal infection of the murine lower respiratory tract

h 09.55-10.10 Samanta Sennati, University of Siena, Siena, Italy

Nosocomial outbreak of colistin-resistant OXA-48-producing *Klebsiella pneumoniae* from bloodstream infections, Greece

h 10.10-10.25 Francesca Boldrin, University of Padua, Padua, Italy

Micrococcin P1 - A bactericidal thiopeptide active against *Mycobacterium tuberculosis*

h 10.25-10.40 Daria Bortolotti, University of Ferrara, Ferrara, Italy

Pseudomonas aeruginosa immune-escape: role of HLA-G molecules



STRUCTURAL MODELING OF BACTERIAL AND VIRAL PROTEINS

Chairman: **Nicasio Mancini**

h 10.55-11.40 Matteo Dal Peraro, *École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland*

Assembling macromolecular complexes by integrative modeling

h 11.40-11.55 Matteo Castelli, *University "Vita-Salute" San Raffaele, Milan, Italy*

Relating structure to function in a hepatitis C virus fusion machinery model

THE GREAT BEYOND

h 11.55-12.15 Giovanni M. Vanacore, *École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland*

Spatio-temporal visualization of biological materials by four-dimensional electron microscopy

ANTI-TUMOR AGENTS AND DRUGS

Chairman: **Federica Campilongo, Antonella Minutolo**

h 12.15-12.30 Federica Campilongo, *University of Brescia, Brescia, Italy*
U94 of human herpesvirus type 6 inhibits tumor cell growth, migration and metastasis by down-modulating *SRC* and promoting a partial mesenchymal-to-epithelial transition

h 12.30-12.45 Antonella Minutolo, *University of Rome "Tor Vergata", Italy*

The interaction of plant food-derived miRNAs with human genes: anti-tumor effects of vegetal miRNAs in tumor cell lines

h 12.45-13.00 Beatrice Greco, *University "Vita-Salute" San Raffaele, Milan, Italy*

Cancer cell-autonomous resistance to CAR-T cells requires PD-L1: a foundation for successful adoptive immunotherapy of solid tumours

h 13.00-13.15 Matteo Doglio, *University "Vita-Salute" San Raffaele, Milan, Italy*

IL-2 and IL-15 allow the generation of gamma-delta CAR-T cells with potent antileukemic activity

h 13.15-13.30 Gaia C. Ghedini, *University of Brescia, Brescia, Italy*

A long pentraxin-3-derived small molecule FGF trap for the treatment of multiple myeloma

LUNCH

h 13.30-15.00

Saturday, November 19

ANTIVIRAL DRUGS AND CLINICAL STUDIES

Chairman: **Alessia Bertoldi, Noemy Starita**

h 15.00-15.15 Noemy Starita, Istituto Nazionale Tumori

"Fond. G. Pascale" - IRCCS, Naples, Italy

Effect of electrochemotherapy on human herpesvirus 8 kinetics in classic Kaposi sarcoma

h 15.15-15.30 Sara Callegaro, University of Padua, Padua, Italy

G-Quadruplex mediated anti-HSV-1 activity of a core extended Naphthalene Diimide compound

h 15.30-15.45 Martina Tassinari, University of Padua, Padua, Italy

Identification and characterization of new selective anti-HIV-1 compounds targeting G-quadruplexes in the LTR promoter region

h 15.45-15.55 Domenico Di Carlo, University of Rome "Tor Vergata", Rome, Italy

HIV-1 CRF02_AG is associated with a higher risk of unfavorable virological response under first-line PI/r based regimens

h 15.55-16.10 Laura Mazzuti, Sapienza University, Rome, Italy

Evaluation of HIV-DNA, soluble CD14 and inflammatory markers in treated HIV-1 positive patients receiving antiretroviral therapy

h 16.10-16.20 Rossana Scutari, University of Rome "Tor Vergata", Rome, Italy

HIV-DNA levels in patients on suppressive HAART is affected by LTR-5' genetic variability

h 16.20-16.35 Alessia Bertoldi, University of Bologna, Bologna, Italy

Evaluation of reservoir size in long term-treated HIV patient

h 16.35-16.50 Arianna Battisti, University of Rome "Tor Vergata", Rome, Italy

Clinical and virological characteristics of patients undergoing immunosuppression-driven HBV reactivation: data from a multi-center study

h 16.50-17.05 Silvia Barbaliscia, University of Rome "Tor Vergata", Rome, Italy

Retreatment after protease inhibitors failure can induce a maximal efficacy rate if guided by HCV-resistance test in real-life

ANTIGEN AND GENE DELIVERY SYSTEMS

Chairman: **Maria Stincarelli, Maira Zorzan**

h 17.05-17.20 Paola Quaranta, University of Pisa, Pisa, Italy

Modulation of Wharton's Jelly-derived mesenchymal stem cell immunomodulatory properties by transduction with a lentiviral vector encoding Epstein-Barr derived interleukin-10

h 17.20-17.30 Maira Zorzan, *University of Padua, Padua, Italy*

Set up of a lentiviral vector-based system for targeting human glioblastoma cells

h 17.30-17.45 Annacarmen Petrizzo, *Istituto Nazionale Tumori*

"Fond. G. Pascale" - IRCCS, Naples, Italy

Functional characterization of biodegradable nanoparticles as antigen delivery system

h 17.45-18.00 Maria Stincarelli, *University of Siena, Siena, Italy*

Construction of a nisin inducible host-vector system for foreign gene expression in Gram-positive bacteria

TRANSLATIONAL MEDICINE AND BIOTECHNOLOGIES

Chairman: **Chiara Di Resta, Alessandro Giovinazzo**

h 18.00-18.10 Alessandro Giovinazzo, *University of Rome*

"Tor Vergata", Rome, Italy

In vitro cultures of blueberry (*Vaccinium* spp.) as biofactory to produce bioactive molecules

h 18.10-18.20 Pietro Mazzuca, *University of Brescia, Brescia, Italy*

Cellular aspartyl proteases promote the unconventional secretion of biologically active HIV-1 matrix protein p17

h 18.20-18.30 Sara Lago, *University of Padua, Padua, Italy*

The cellular protein nucleolin preferentially binds long-looped G-quadruplex nucleic acids

h 18.30-18.45 Lavinia Coletto, *University "Vita-Salute" San Raffaele, Milan, Italy*

Potential role of TRPC6 channel in systemic lupus erythematosus

h 18.45-19.00 Chiara Di Resta, *University "Vita-Salute" San Raffaele, Milan, Italy*

Genetic characterization of a cohort of Brugada patients using high-throughput approach

DESENZANO AWARDS

h 19.00-19.15

Arianna Calistri, Nicasio Mancini, Francesca Caccuri



TAKE HOME MESSAGE

h 19.15-19.30

Arianna Calistri, Nicasio Mancini, Francesca Caccuri

Informazioni Generali

SEDE

PARK HOTEL****

Lungolago C. Battisti 17 - 25015 Desenzano del Garda (Brescia) - Italia

COME RAGGIUNGERE DESENZANO

AUTOSTRADA MILANO-VENEZIA

Uscita Desenzano - 2 Km dal centro

FERROVIA MILANO-VENEZIA

Stazione Ferroviaria di Desenzano - 1 Km dal centro

AEROPORTI

"G. D'Annunzio" (Brescia) - 15 Km da Desenzano

"V. Catullo" (Verona) - 24 Km da Desenzano

Linate-Malpensa (Milano) - 110 Km da Desenzano

Orio al Serio (Bergamo) - 70 Km da Desenzano

IN AUTOBUS

Utilizzando le numerose linee disponibili

IN BATTELLO

Utilizzando i traghetto presenti su tutto il lago di Garda a cura della "NAVIGAZIONE LAGO DI GARDA"



Informazioni Generali



ISCRIZIONI

La quota di iscrizione è gratuita e include: Partecipazione ai lavori congressuali

- Abstract book • Kit Congressuale • Attestato di frequenza
- Coffee Break e Colazione lavoro di sabato 19 novembre.

Saranno accettate le prime 100 iscrizioni sulla base della temporalità.

Per informazioni e iscrizioni rivolgersi a:

Sig.ra Rossi Elisabetta

Laboratorio di Virologia ed Indagini Microbiologiche

Piazzale Spedali Civili, 1 - 25123 Brescia - Tel. +39 030 3995652

Fax +39 030 395258 - E-mail: elisabetta.rossi01@gmail.com

PRENOTAZIONE ALBERGHIERA

Sono stati opzionati alberghi di diverse tipologie, di seguito in elenco. Ogni partecipante deve prenotare e saldare direttamente la propria prenotazione contattando direttamente l'hotel.

PARKhotel (4 stelle)

Lungolago C. Battisti 17, Desenzano del Garda - Lago di Garda - Brescia

E-mail: booking@parkhotelonline.it

Tel +39 030 9143494 - Fax +39 030 9142280

Costi: Doppia Uso Singola € 85,00

Supplemento seconda persona € 25,00 per notte

I prezzi si intendono per camera a notte con prima colazione, wi-fi incluso

Non comprendono tassa di soggiorno € 1,00 per persona per notte.

HOTEL NAZIONALE (3 stelle)

Via Guglielmo Marconi, 23 - Desenzano del Garda - Brescia

E-mail: nazionale@cerinihotels.it - Tel +39 030 9158555

Costi: Doppia Uso Singola € 85,00

Doppia € 110,00

I prezzi si intendono per camera a notte con prima colazione

Non comprendono tassa di soggiorno € 0,80 per persona per notte.

SEGRETERIA ORGANIZZATIVA



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