



## **The VII Siena NIBIT Foundation Think Tank A Vision of I-O: call for actions**

Hotel Garden, Siena (Italy)

Via Custoza, 2, 53100 Siena

*The Think Tank is promoted by the NIBIT Foundation in collaboration with the Parker Institute for Cancer Immunotherapy and the World Immunotherapy Council*

**October 5-7, 2023**

### **Rationale**

The VII Think Tank of the Italian Network for Tumor Bio-Immunotherapy (NIBIT) Foundation is focused on sharing with the enlarged scientific community the research findings and initiatives of the NIBIT Foundation research team in the context of the rapidly evolving field of cancer immunotherapy worldwide. A great opportunity of professional exchange and scientific update for all participants.

As for the past editions, the Meeting is organized in collaboration with The Parker Institute for Cancer Immunotherapy (PICI) in San Francisco and the World Immunotherapy Council (WIC).

During the event world-wide acknowledged scientists in the field of cancer immunotherapy will debate about pre-selected scientific, translational and clinical research topics, engaging the attendees in highly interactive discussions.

Aims of the meeting will be:

1. Sharing the vision on highly selected I-O topics
2. Implementing new collaborations (pre-clinical/clinical/educational) among participants and with the organizational (and financial) support of the scientific Co-Organizing entities
3. Presenting research projects/ideas by pre-selected (also through WIC) young investigators in the identified topics of the meeting to be discussed and eventually hosted in Institutions participating to the Think Tank.
4. Generating a white paper manuscript

**RAY HC Srl**

Sede Legale: Via Paleocapa 6 - 20121 Milano

Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano

Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69

REA MI 1344958 - Reg. Imprese di Milano n. 10117680156



## October 5<sup>th</sup>

---

17:30 - 18:00 **Welcome to the VII Siena I-O Think Tank**

Michele Maio (Siena, Italy), Bernie Fox (Portland, USA), Ramy Ibrahim (San Francisco, USA)

18:00 - 18:30 **In memoriam of Soldano Ferrone** - Pier Giorgio Natali (Rome, Italy)

18:30 - 18:40 **Opening talk**

*Chairs:* Lorenzo Moretta (Genoa, Italy), Michele Maio (Siena, Italy),

18:40 - 19:10 **HLA and cancer** - Barbara Seliger (Halle, Germany)

*20:15 Wine and Cheese*

## October 6<sup>th</sup>

---

### 08:45 - 13:30 **SESSION 1 - Epigenetic immune regulation in cancer progression, tumor recognition, and response to immunotherapy: clinical implications**

08:45 - 09:00 *Chairs:* Pedro Romero (Lausanne, Switzerland), Michele Maio (Siena, Italy)

09:00 - 09:30 **Epigenetic modulation of circulating immune cells in patients treated with hypomethylating agents in the NIBIT-M4 study** - Andrea Anichini (Milan, Italy)

09:30 - 10:00 **Intestinal Tumorigenesis: Implications for Colorectal Tumors With the CpG Island Methylator Phenotype** - Alfonso Bellacosa (Philadelphia, USA)

10:00 - 10:30 **Epigenetics in functional redirection of T cells** - Sergio Abrignani (Milan, Italy)

10:30 - 11:00 **Epigenetically controlled tumor antigens derived from splice junctions between exons and transposable elements** - Sebastian Amigoregna (Paris, France)

*11:00 - 11:30 Coffee*

11:30 - 12:00 **Epigenetics for early cancer detection** - Michele Ceccarelli (Naples, Italy/Miami, USA)

12:00 - 12:30 **Epigenetic immune-modulation in the clinic** - Anna Maria Di Giacomo (Siena, Italy)

12:30 - 13:00 **Conclusions and call for actions** – Chairs

*13:00 - 14:30 Lunch*

### 14:30 - 18:45 **SESSION 2 - Biomarkers-driven I-O development**

14:30 - 14:45 *Chairs:* Michele Maio (Siena, Italy), Bernie Fox (Portland, USA), Ramy Ibrahim (San Francisco, USA)

14:45-15:15 **Targeting MSI-high gynecologic tumors** – Domenica Lorusso (Rome, Italy)

15:15-15:45 **Single cell approses** – Massimo Andreatta (Lausanne, Switzerland)

**RAY HC Srl**

Sede Legale: Via Paleocapa 6 - 20121 Milano

Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano

Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69

REA MI 1344958 - Reg. Imprese di Milano n. 10117680156



15:45 - 16:15 **TME heterogeneity at different metastatic sites** - Sumit Subudhi, (Houston, USA)

16:15 - 16:45 **Single-cell metabolomic profiling in HPV-driven malignancies** - John Connolly (San Francisco, USA)

*16:45 - 17:15 Tea*

17:15 – 17:45 **cfDNA – Priti Hegde** (San Mateo, CA, USA)

17:45 – 18:15 **Spatial immunobiology** - Espy Anguiano (Seattle, USA)

18:15 - 18:45 **Conclusions and call for actions** - Chairs

*20:10 - Dinner*

## October 7<sup>th</sup>

### 09:00 - 12:35 SESSION 3 - Predictive role of -omics in I-O response

09:00 - 09:15 *Chairs:* Zlatko Trajanoski (Innsbruck, Austria) , Luigi Nezi (Milan, Italy), Francesco Dotta (Siena, Italy), Ramy Ibrahim (San Francisco, USA)

09:15 - 09:45 **omics determinants of response to CART-T cell** - Davide Bedognetti (Santa Monica, USA)

09:45 - 10:15 **Peptidomics: Identifying cancer's dark matter and canonical targets: A possible strategy for universal cancer vaccines?** - Bernie Fox (Portland, USA)

10:15 - 10:45 **Radiomics** - Maria Elena Occhipinti (Liege, Belgium)

*10:45 - 11.15 Coffee*

11:15 - 11:30 **Integrating -omics: a winning approach? Clinical perspectives** - Alexander Eggermont (Utrecht, The Netherlands)

11:30 - 11:45 **Integrating -omics: a winning approach? Basic science perspectives** - Samir Kleif (Washington, USA)

11:45 - 12:30 **Single or complex biomarkers for I-O? The path ahead** - Chair, Ramy Ibrahim (San Francisco, USA)

*Panelists:* John Connolly (San Francisco, USA), Bernie Fox (Portland, USA), Michele Maio (Siena, Italy), Pedro Romero (Lausanne, Switzerland), Sumit Subudhi (Houston, USA), Zlatko Trajanoski (Innsbruck, Austria)

12:30 - 13:00 **The NIBIT Foundation Annual Lecture: Vaccines to infectious diseases as drivers for cancer vaccines** - Rino Rappuoli (Siena, Italy)

### 12:45 - 13:30 SESSION 4- The VIII Siena I-O Think Tank 2024

Chairs: Michele Maio (Siena, Italy), Bernie Fox (Portland, USA), Ramy Ibrahim (San Francisco, USA)

**Ideas and topics for the VIII Siena 2024 Think Tank**

RAY HC Srl

Sede Legale: Via Paleocapa 6 - 20121 Milano

Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano

Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69

REA MI 1344958 - Reg. Imprese di Milano n. 10117680156



## SCIENTIFIC ORGANIZERS

---

- Michele Maio - Center for Immuno-Oncology, Siena (Italy)
- Bernie Fox - Robert W. Franz Cancer Research Center, Earle A. Chiles Research Institute, Portland (USA)
- Ramy Ibrahim - Parker Institute for Cancer Immunotherapy, San Francisco (USA)

## FACULTY

---

<u>COGNOME</u>	<u>NOME</u>	<u>LAUREA E SPECIALIZZAZIONE</u>	<u>AFFILIAZIONE</u>
ABRIGNANI	SERGIO	Laurea in Medicina e Chirurgia - Patologia Generale	Direttore Scientifico dell'Istituto Nazionale di Genetica Molecolare (INGM) "Romeo ed Enrica Invernizzi" di Milano Professore ordinario di Patologia Generale - Dipartimento di Scienze Cliniche e di Comunità (DISCCO) - Milano
AMIGORENA	SEBASTIAN	Laurea in Biochimica	Direttore del Dip. di Immunologia del Curie Institute - Parigi
ANGUIANO	ESPY	Dottore in filosofia, Scienze Biomediche	Scientific Market Development Director - BioPharma NanoString Technologies, Inc. New Jersey, United States
ANDREATTA	MASSIMO	Dottore in Engineering & Technology / Computer Science	Swiss Institute of Bioinformatics Lausanne, Switzerland
ANICHINI	ANDREA	Laurea in dietistica	Dietista Libero Professionista nella UOC di Immunoncologia, Azienda Ospedaliera Universitaria Senese - Siena
BELLACOSA	ALFONSO	Laurea in Medicina e Chirurgia - Ematologia	Ricercatore e Docente in Biologia del cancro presso il Fox Chase Cancer Center, a Philadelphia
BEDOINETTI	DAVIDE	Laurea in Medicina e Chirurgia - Oncologia , Ematologia	Professore Associato Dipartimento di medicina interna e specialità mediche - DIMI

RAY HC Srl

Sede Legale: Via Paleocapa 6 - 20121 Milano

Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano

Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69

REA MI 1344958 - Reg. Imprese di Milano n. 10117680156

			Università di Genova; Immunology Department, Cancer Program, Sidra Medicine, Doha, Qatar
CECCARELLI	MICHELE	Biologia e Genetica Molecolare	Professore Associato, Dipartimento di Scienze e Tecnologie, Università degli Studi del Sannio di Benevento; Italy
CONNOLLY	JOHN	Laurea in Medicina e Chirurgia	Chief Scientific Officer (CSO), The Parker Institute for Cancer Immunotherapy (PICI), SAN FRANCISCO
DI GIACOMO	ANNA MARIA	Medicina e Chirurgia - Oncologia Medica	Dirigente Medico U.O.C. Immunoterapia Oncologica - Azienda Ospedaliera Universitaria Senese - Siena
DOTTA	FRANCESCO	Medicina e Chirurgia - Endocrinologia	Professore Associato Confermato, Settore Scientifico Disciplinare MED/13- Endocrinologia, Facoltà di Medicina e Chirurgia, Dipartimento di Scienze Mediche Chirurgiche e Neuroscienze, Università di Siena. Direttore Unità Operativa Complessa di Diabetologia, Dipartimento di Medicina Interna e Specialistica, Policlinico "Le Scotte" Azienda Ospedaliera Universitaria Senese - Siena
EGGERMONT	ALEXANDER	Medicina e chirurgia - Oncologia	Professor Gustave Roussy Cancer Campus Grand Paris
FOX	BERNIE	Medicina e chirurgia - Oncologia	Translational Cancer Immunotherapist, Biotech Entrepreneur & Academic, Portland
HEGDE	PRITI	Farmacia	Drug development, R&D, Translational Medicine, Oncology, Immunology, Board

**RAY HC Srl**

Sede Legale: Via Paleocapa 6 - 20121 Milano  
Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano  
Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69  
REA MI 1344958 - Reg. Imprese di Milano n. 10117680156

			member San Mateo, California, Stati Uniti d'America
LORUSSO	DOMENICA	Medicina e chirurgia – Ginecologia e Ostetricia	Associate Professor of Obstetrics and Gynecology at the Catholic University of Rome and responsible for clinical research at Fondazione Policlinico Gemelli IRCCS. Roma
KLEIF	SAMIR	Medicina e chirurgia - Oncologia	Founder/CEO, Georgiamune, Inc; Director, Center for Immunology and Immunotherapy and Professor of Oncology Georgetown University  Stati Uniti d'America
MAIO	MICHELE	Medicina e chirurgia - Oncologia	Responsabile U.O.C. Immunoterapia Oncologica dell'Azienda Ospedaliera Universitaria Senese, Siena
MORETTA	LORENZO	Medicina e chirurgia Microbiologia Medica e Allergologia e Immunologia Clinica	Department of Immunology, IRCCS Ospedale Pediatrico Bambino Gesù, Rome
NATALI	PIER GIORGIO	Medicina e chirurgia - Oncologia	Libero Professionista, Roma
NEZI	LUIGI	Biotechnologie mediche, Dottorato in Oncologia molecolare	Group Leader at IEO Istituto Europeo di Oncologia,  Milano
OCCHIPINTI	MARIA ELENA	Medicina e chirurgia - Radiologia	Diagnostic Radiologist   Chief Medical Officer at Radiomics  Belgio
RAMY	IBRAHIM	Medicina e chirurgia - Oncologia	MD, Santa Barbara Care Center, USA
RAPPUOLI	RINO	Laurea in Scienze Biologiche	Direttore Scientifico della Fondazione Biotechopolio di

**RAY HC Srl**

Sede Legale: Via Paleocapa 6 - 20121 Milano  
 Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano  
 Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69  
 REA MI 1344958 - Reg. Imprese di Milano n. 10117680156

			Siena, della quale fa parte anche il Centro Nazionale Anti Pandemico (CNAP)
ROMERO	PEDRO	Medicina e chirurgia - Oncologia	Honorary Professor (2021) Deputy scientific managing director of the Lausanne Branch of the Ludwig Institute for Cancer Research.  Department of oncology UNIL CHUV
SELIGER	BARBARA	Medicina e chirurgia - Oncologia	Professor Immunological research and immunological diagnostics Martin Luther University of Halle-Wittenberg Germany - Halle, Germany
SUBUDHI	SUMIT	Medicina e chirurgia - Oncologia	Department of Genitourinary Medical Oncology, Division of Cancer Medicine, MD Anderson Cancer Center, Houston (USA)
TRAJANOSKI	ZLATKO	Laurea in Ingegneria Biomedica	Professor for bioinformatics at the Institute of Bioinformatics, Biocenter, Medical University of Innsbruck, Austria

**RAY HC Srl**

Sede Legale: Via Paleocapa 6 - 20121 Milano

Sede Operativa: Via Giovanni Spadolini 7, Centro Leoni, Palazzo B - 20141 Milano

Tel. +39.02.5416951 - C.F./P.IVA 10117680156 - Capitale Sociale Euro 30.146,69

REA MI 1344958 - Reg. Imprese di Milano n. 10117680156