San Luigi Gonzaga Hospital, *Orbassano, Turin, Italy*

Candiolo Cancer Institute - IRCCS, *Candiolo, Turin, Italy*

Department of Oncology - University of Turin, *Orbassano, Turin, Italy*

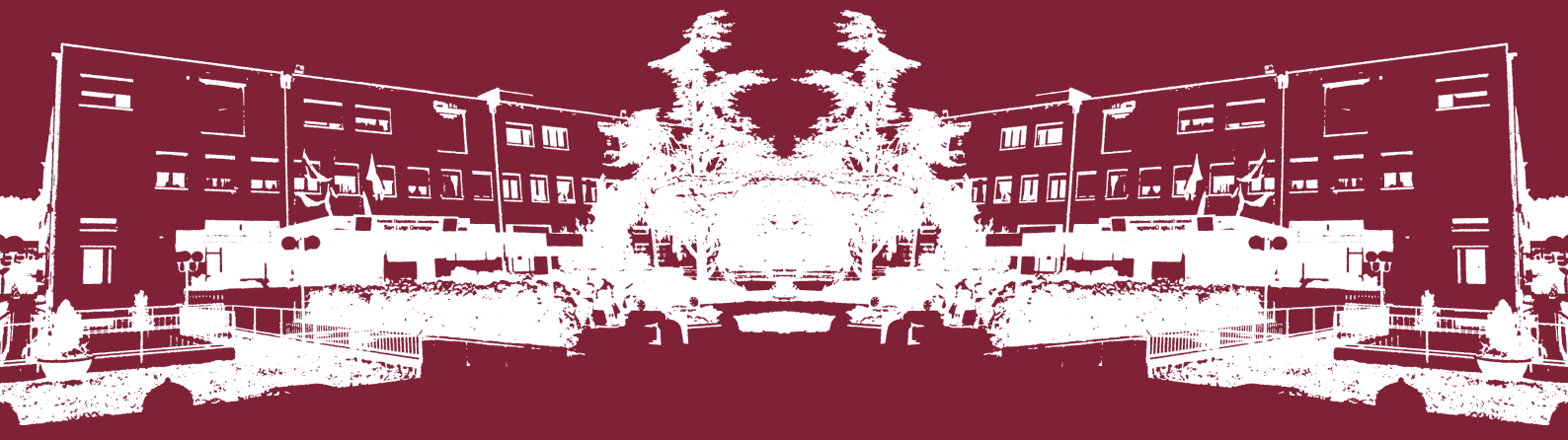
Chairmen of the Meeting:
Francesco Porpiglia - *Department of Urology, San Luigi Gonzaga Hospital, School of Medicine University of Turin, Orbassano, Italy*

13th INTERNATIONAL TECHNO-UROLOGY MEETING (TUM)

THE ADVENT OF AI FOR THE SURGICAL DECISION SUPPORT

30th - 31st January 2025

Aula Convegni S. Luigi Gonzaga Hospital
Orbassano, Turin, Italy



INTRODUCTION

Dear Friends,

We are pleased to invite you to the 13th edition of the TECHNO-UROLOGY MEETING, scheduled for January 30th-31st, 2025, at the San Luigi Gonzaga University Hospital in Orbassano, Turin.

Over the years, our efforts have been focused on advancing laparoscopic and robotic urologic surgery through the integration of new technologies and surgical expertise.

This year, we are introducing several key developments aimed at further personalizing surgical approaches, making procedures less invasive and more adaptable.

A significant addition in this regard is the use of the Da Vinci single-port robotic system during live surgery, an important step toward refining surgery to be even more "tailored" to the specific needs of each patient.

We remain committed to improving both the preoperative and intraoperative experience for surgeons.

In this context, we have continued to refine virtual platforms that facilitate communication and collaboration among surgeons, regardless of their physical location.

Since 2022 we embarked in developing the Uro-Verse, a digital environment dedicated to urology. In this virtual space, surgeons can discuss together complex clinical cases, leveraging highly detailed 3D virtual models that now replicate not only anatomical structures but also the physical textures of organs, providing a more comprehensive preoperative planning experience.

For this edition of the congress, we have implemented the use of our "digital twin" organ models for the intraoperative assistance in an augmented reality setting, enhancing their usefulness in surgical navigation.

In addition to these advancements, we are introducing a huge innovation to further improve pre-surgical planning.

This includes the integration of an AI-powered digital avatar, which uses machine learning algorithms to analyze individual clinical cases and provide tailored recommendations for the intraoperative strategy to be followed for each specific case, while also predicting potential outcomes.

This represents a new milestone in combining artificial intelligence with surgical decision-making.

All these considered, we believe that the 13th edition of TUM will offer valuable insights into the latest surgical technologies and innovations.

With the participation of top-level surgeons from all around the world, we look forward to provide a great experience for all attendees.

We hope to see you in Turin for this upcoming edition of TUM, and we trust that the program will meet your expectations.

Sincerely,



Francesco Porpiglia



DIVISION OF UROLOGY - DEPARTMENT OF ONCOLOGY UNIVERSITY OF TURIN

The Department of Oncology at University of Turin, is composed by professionals, from preclinical to translational research and clinic assistance for oncological diseases. It is sited in San Luigi Hospital and IRCC Candiolo Institute.

The Urology team, that takes part into the Department of Oncology, manages all uro-oncological and all others genito-urinary diseases. The most recent and modern technologies are available for diagnosis and treatment of such of them.

Robotic and laparoscopic surgery have been developed in the last years, being San Luigi Hospital's Urology Division a pioneer Centre for many techniques, especially in the setting of translational surgery.

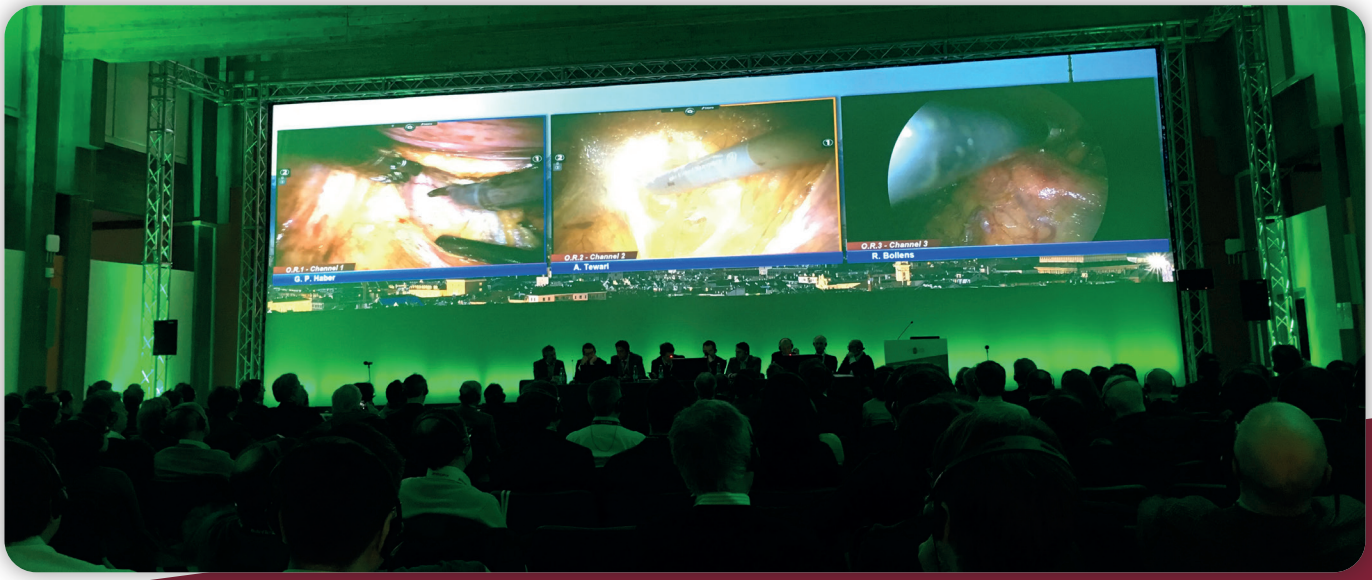
Together with the clinical activity, also the teaching activity has a primary role, being our Department the Center for the Urology Residency Program.

Our Staff is continuously involved and invited to attend the most prestigious International and National Meetings.

Our intensive scientific and research activity is widely recognized as demonstrated by the publications in the most famous international peer-reviewed journals.



CONGRESS VENUE
Aula Convegni S. Luigi Gonzaga Hospital



HONORARY CONGRESS PRESIDENT



Dario Fontana
Professor of Urology
Turin, Italy



Roberto Mario Scarpa
Professor of Urology
Campus Biomedico
University Hospital
Rome, Italy

INVITED SURGEONS



Alessandro Antonelli
Chairman, Urology Department, Azienda Ospedaliera Universitaria Integrata, University of Verona
Verona, Italy"



Riccardo Autorino
Professor of Urology
Director of Surgical Innovation
Rush University Medical Center
Chicago, IL, USA



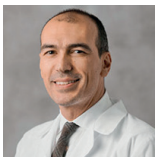
Ravi Barod
Consultant Urological Surgeon and Clinical Lead at The Specialist Centre for Kidney Cancer at The Royal Free Hospital



Renaud Bollens
Groupe Hospitalier de l'Institut Catholique de Lille, France
Centre Hospitalier de Wallonie Picarde Tournai, Belgium



Nicolò Maria Buffi
Department of Urology, Humanitas Research Hospital
Rozzano, Milan, Italy



Simone Crivellaro
Assistant Professor in Minimally Invasive Urology, Director of Urology Robotic Training, University of Illinois
Chicago, USA

INVITED SURGEONS



Fabrizio Dal Moro
Department of Urology
University of Padova, Italy



Ruben De Groote
Consultant urologist Uro-oncology and robotics AZORG Hospital
Aalst, Belgium



Antonio Galfano
Department of Urology
Niguarda Hospital
Milan, Italy



Ahmed Ghazi
Brady Urological Institute
Johns Hopkins University
Baltimore, USA



Reza Mehrazin
Associate Professor of Urology
Icahn School of Medicine
Mount Sinai, New York, USA



Andrea Minervini
Chairman and Professor
Departmnt of Urology
Careggi University Hospital
Florence, Italy



Carme Mir
Imed Valencia, Spain



Rocco Papalia
Professor of Urology
Campus Bio-medico University
Rome, Italy



Vipul Patel
Medical Director, Urologic Oncology Program Advent Health, Medical Director, Global Robotics Institute Professor of Urology University of Central, Florida, USA



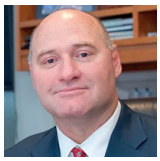
Sisto Perdonà
Department of Oncologic Urologic Surgery At The I.R.C.C.S. "Fondazione G. Pascale"
Naples, Italy



Veronique Phè
Professor of Urology at Sorbonne University, Paris, France



Francesco Porpiglia
Professor and Chairman Department of Urology S. Luigi Hospital, Orbassano University of Turin
Turin, Italy



James Porter
Director, Robotic Surgery
Swedish Medical Center
Seattle, Washington, USA



Rajesh Nair
London, UK

INVITED SURGEONS



Bernardo Rocco
Professor of Urology
Policlinico Universitario
Agostino Gemelli IRCCS
Rome, Italy



Giuseppe Simone
Chairman Department of Urology
IFO - Regina Elena
National Cancer Institute
Rome, Italy



Ashutosh Tewari
Professor of Urology
The Mount Sinai Hospital
New York, USA



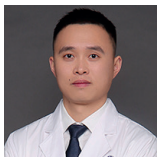
Alessandro Volpe
Urology Unit, University of
Piemonte Orientale
Novara, Italy



Linhui Wang
Professor of Urology
Shanghai Changzheng Hospital
China



Peter Wiklund
Professor of Urology, Department of Urology, Icahn School of Medicine at Mount Sinai, Director of the Bladder Cancer Program, Mount Sinai Health System, New York, USA



Zhenjie Wu
Associate Professor of Urology
Shanghai Changhai Hospital
China

INVITED SPEAKERS & MODERATORS

Simone Albisinni
UOSD Urology
Department of Surgical Sciences
University of Rome Tor Vergata
Rome, Italy

Riccardo Bertolo
Urology Department,
Azienda Ospedaliera Universitaria Integrata, University of Verona, Verona, Italy

Mahendra Bhandari
Senior Bio-scientist and Director of Robotic Surgery Research & Education at the Vattikuti Urology Institute (VUI), Detroit, USA

Lorenzo Bianchi
Department of Urology at
Sant'Orsola Malpighi Hospital
University of Bologna, Italy

Riccardo Campi
Department of Urology
Careggi University Hospital
Florence, Italy

Giuseppe Carrieri
Department of Urology
Ospedali Riuniti, University
Medical School, Foggia, Italy

Antonio Celia
Head of Department of Urology
San Bassiano Hospital
Bassano del Grappa (VI), Italy

Elisa De Lorenzis
Department of Urology,
Foundation IRCCS Cà Granda Ospedale Maggiore Policlinico, Milan, Italy

Cosimo De Nunzio
Department of Urology
Sant'Andrea Hospital
Rome, Italy

Francesco Del Giudice
Department of Maternal-Infant and Urologic Sciences Sapienza University of Rome, Policlinico Umberto I Hospital, Rome, Italy

Paolo Dell'Oglio
Department of Urology
Niguarda Hospital, Milan, Italy

Michele Di Dio
Department of Urology
SS. Annunziata Hospital
Cosenza, Italy

Ettore Di Trapani
University of Messina, Italy

Francesco Esperto
Campus Biomedico
University Hospital
Rome, Italy

Ugo Falagario
Department of Urology
Policlinico Riuniti, Foggia, Italy

Matteo Ferro
University of Milan, Italy

INVITED SPEAKERS & MODERATORS

Cristian Fiori
Department of Urology
San Luigi Gonzaga Hospital
School of Medicine, University of Turin
Orbassano, Italy

Andrea Gallioli
Fundació Puigvert
Barcelona, Spain

Giorgio Gandaglia
Department of Urology
I.R.C.C.S. san Raffaele Hospital
Milan, Italy

Alessandro Larcher
Department of Urology
San Raffaele Turro Hospital
Milan, Italy

Michele Marchioni
Department of Urology
University G. D'Annunzio
Chieti Pescara, Italy

Andrea Mari
Department of Urology
AOU Careggi Hospital
Florence, Italy

Carlotta Palumbo
Research Fellow in Urology at Università del Piemonte Orientale
Urologist at Maggiore della Carità Hospital, Novara, Italy

Savio Domenico Pandolfo
University of Naples "Federico II"
Naples, Italy

Vito Pansadoro
Laparoscopy Center
Vincenzo Pansadoro Foundation
Rome, Italy

Nicola Pavan
Department of Urology
Giaccone Hospital
Palermo, Italy

Giovannalberto Pini
Department of Urology
IRCCS Ospedale San Raffaele Turro
Milan

Stefano Puliatti
Department of Urology
University of Modena and Reggio Emilia
Reggio Emilia, Italy

Abhay Rane
Clinical Lead For Urology Surrey And Sussex Nhs Trust
Redhill, UK

Giorgio Ivan Russo
Urology Clinic
University of Catania, Italy

Roberto Mario Scarpa
Campus Biomedico
University Hospital
Rome, Italy

Riccardo Schiavina
Department of Urology at Sant'Orsola Malpighi Hospital
University of Bologna, Italy

Luigi Schips
Department of Urology
Vasto and Lanciano Hospital
Chieti, Italy

Alessandro Sciarra
Professor of Urology
Sapienza University of Rome
Policlinico Umberto I Hospital
Rome, Italy

Francesco Soria
A.O. City of Health And Science of Turin, Italy

Nazareno R. Suardi
Associate Professor of Urology,
University of Brescia, Italy

Michele Talso
Department of Urology
Sacco Hospital, Milan, Italy

Carlo Terrone
Chief Department of Urology
San Martino Hospital
Genova, Italy

• *January 30th 2025* •

8.00 - 8.30	**Welcome and Opening**	
	SCREEN #1	**SCREEN #2**
Moderators	*Andrea Mari - Carlo Terrone*	*Ugo Falagario - Alessandro Sciarra*
8.30 - 10.00	***AI-driven Surgical Planning and Multiport RAPN*** *Alessandro Antonelli*	***AI-driven Surgical Planning and Single Port RARP*** *Peter Wiklund*
Moderators	*Carme Mir - Francesco Soria*	*Lorenzo Bianchi - Vito Pansadoro*
10.00 - 11.30	***AI-driven Surgical Planning and Multiport RARP*** *Bernardo Rocco*	***AI-driven Surgical Planning and Multiport RARP with Hydro-dissection*** *Ashutosh Tewari*
Moderators	*Simone Albisinni - Riccardo Schiavina*	*Francesco Del Giudice - Abhay Rane*
11.30 - 13.00	***AI-driven Surgical Planning and Multiport RAPN*** *Alessandro Volpe*	***AI-driven Surgical Planning and Single Port RAPN*** *Francesco Porpiglia*
13.00 - 13.45	**Lunch**	
Moderators	*Giovannalberto Pini - Roberto M. Scarpa*	*Riccardo Bertolo - Bernardo Rocco*
13.45 - 14.30	***Intracorporeal Robotic Ileal Conduit*** *Rajesh Nair*	***Robotic surgery with DaVinci V (Prerecorded)*** *Vipul Patel*
Moderators	*Riccardo Autorino - Elisa De Lorenzis*	*Carme Mir - Stefano Puliatti*
14.30 - 15.30	***Laparoscopic Pudendal Nerve Release*** *Renaud Bollens*	***AI-driven Surgical Planning and complex Multiport RAPN*** *Ruben De Groote*
Moderators	*Cosimo De Nunzio - Andrea Gallioli*	*Mahendra Bhandari - Giovannalberto Pini*
15:30 - 17:00	***AI-driven Surgical Planning and Multiport RAPN*** *Andrea Minervini*	***AI-driven Surgical Planning and Single Port RAPN*** *Reza Mehrazin*
Moderators	*Antonio Celia - Michele Talso*	*Riccardo Campi - Nicola Pavan*
17:00 - 18:30	***Laparoscopic Vesicovaginal Fistula repir*** *Renaud Bollens*	***AI-driven Surgical Planning and Multiport RAPN*** *Zhenjie Wu*

• *January 31st 2025* •

	SCREEN #1	SCREEN #2
Moderators	*Francesco Esperto - Luigi Schips*	*Riccardo Bertolo - Nazareno Suardi*
8.30 - 10.00	***AI-driven Surgical Planning and Multiport RAPN*** *Nicolò Maria Buffi*	***AI-driven Surgical Planning and Multiport Retroperitoneal RAPN*** *James Porter*
Moderators	*Ettore Di Trapani - Alessandro Larcher*	*Paolo Dell'Oglio - Vito Pansadoro*
10.00 - 11.30	***Robotic Thrombectomy during RARN*** *Linhui Wang*	***AI-driven Surgical Planning and Single Port RAPN*** *Simone Crivellaro*
Moderators	*Giuseppe Carrieri - Giorgio Gandaglia*	*Simone Albisinni - Carlo Terrone*
11:30 - 13:00	***AI-driven Surgical Planning and Multiport RS-RARP*** *Antonio Galfano*	***AI-driven Surgical Planning and Multiport RARP + AI - AR confocal microscopy selective biopsy*** *Francesco Porpiglia*
13.00 - 13.45	***Lunch***	
Moderators	*Savio Pandolfo - Matteo Ferro*	*Mahendra Bhandari - Michele Marchioni*
13.45 - 14.30	***Single Port RAPN*** *Sisto Perdonà*	***Hugo-Ras transperitoneal RAPN*** *Rocco Papalia*
Moderators	*Riccardo Campi - Luigi Schips*	*Antonio Galfano - Giorgio Ivan Russo*
14.30 - 15.30	***AI-driven SURGICAL PLANNING and Multiport RAPN*** *Ravi Barod*	***AI-driven Surgical Planning and Single Port RARP*** *Ahmed Ghazi*
Moderators	*Carlotta Palumbo - Cristian Fiori*	*Stefano Puliatti - Abhay Rane*
15:30 - 17:00	***AI-driven Surgical Planning and Multiport RARP*** *Fabrizio Dal Moro*	***AI-driven Surgical Planning and Multiport robotic sacrocolpopexy*** *Veronique Phè*
Moderators	*Michele Di Dio - Savio Domenico Pandolfo*	*Simone Crivellaro - Paolo Dell'Oglio*
17:00 - 18:30	***AI-driven Surgical Planning and Multiport RAPN*** *Riccardo Autorino*	***AI-driven Surgical Planning and Single Port RARP*** *Giuseppe Simone*
18:30 - 19:00	***Lecture: LUTS and chronic prostatitis in BPH: an update*** *- Michele Di Dio*	

SCIENTIFIC SECRETARIAT

Daniele Amparore
Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of Turin, Orbassano, Italy

Riccardo Autorino
Professor of Urology, Director of Surgical Innovation, Rush University Medical Center Chicago, IL, USA

Alberto Breda
Chief of the Uro-Oncology Division and Director of the Kidney Transplant Unit Fundació Puigvert, Barcelona, Spain

Enrico Checcucci
Department of Urology Istituto di Candiolo IRCCS, Turin, Italy

Michele Di Dio
Department of Urology, SS. Annunziata Hospital, Cosenza, Italy

Cristian Fiori
Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of Turin Orbassano, Italy

Alex Mottrie
Department of Urology Orsi Accademy and O.L.V. Clinic, Aalst, Belgium

Francesco Porpiglia
Professor and Chairman Department of Urology, San Luigi Gonzaga Hospital, School of Medicine, University of Turin,Orbassano, Italy

ORGANIZING COMMITTEE FOR LIVE SURGERY

Staff of the hosting Department of Urology San Luigi Gonzaga Hospital, School of Medicine, University of Turin, Orbassano, Italy

Paolo Alessio

Daniele Amparore

Giovanni Cattaneo

Enrico Checcucci

Marco Cossu

Sabrina De Cillis

Stefano De Luca

Michele Di Dio

Cristian Fiori

Matteo Manfredi

Alberto Piana

Federico Piramide

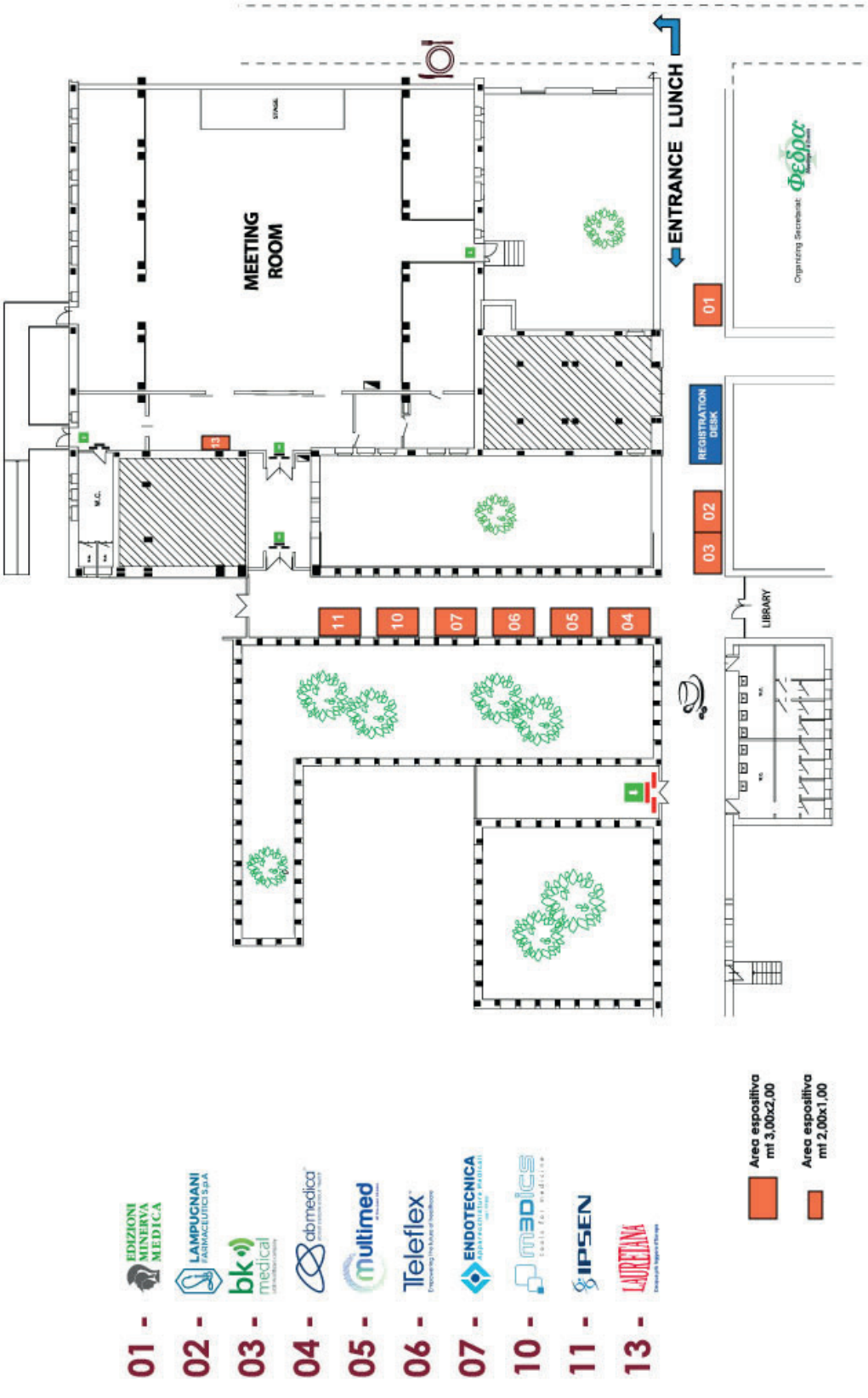
Massimiliano Poggio

Francesca Ragni

Michele Sica

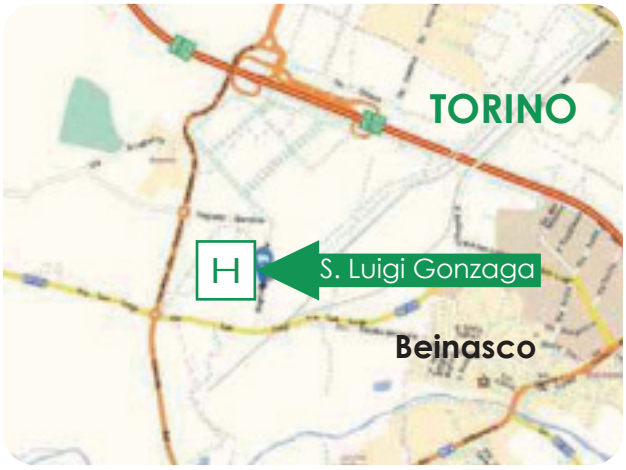
Gabriele Volpi

EXHIBITION FLOOR PLAN



CONGRESS VENUE

Aula Convegni - S. Luigi Gonzaga Hospital
Regione Gonzole, 10
10043 - Orbassano, Turin, Italy



MEETING PLANNER

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Provider ECM n° 3376
Viale dei SS. Pietro e Paolo, 21
00144 Rome, Italy
Ph. +39 06 52247328
info@fedracongressi.com
www.fedracongressi.com

OFFICIAL LANGUAGE

The official language of the Congress is English.

REGISTRATION FEE

Delegates:
Until October 15th 2024: ..... €. 400,00
Between October 15th 2024 and December 15th 2024: ..... €. 500,00
After December 15th 2024: ..... €. 600,00
On site registration: ..... €. 700,00

Trainee/Residents:
Until October 15th 2024: ..... €. 150,00
Between October 15th 2024 and December 15th 2024: ..... €. 200,00
After December 15th 2024: ..... €. 300,00
On site registration: ..... €. 400,00

The registration fee includes scientific program, lunches, and coffee breaks during the event.

ITALIAN ECM ACCREDITATION

The 13th INTERNATIONAL TECHNO-UROLOGY MEETING has been accredited by the Italian Ministry of Health.

The Italian Ministry of Health assigned n. 18 ECM Credits (2-Linee guida-protocolli-procedure).

The Congress will be accredited for the following specialties:

- Oncology
- Radiotherapy
- Urology
- Pathological anatomy
- Radiodiagnostics

In order to receive Italian credits participants must attend 90% of the event and pass the final test.

WEBSITE

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www.technourologymeeting.com



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