



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

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

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



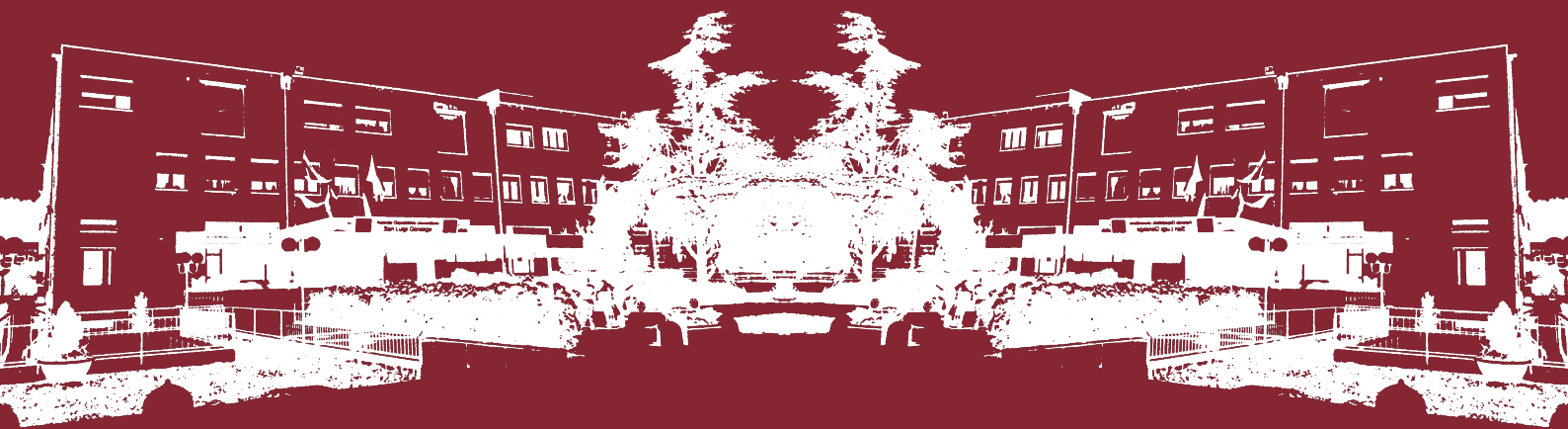
Chairmen of the Meeting:

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



# 13<sup>th</sup> INTERNATIONAL TECHNO-UROLOGY MEETING (TUM) THE ADVENT OF AI FOR THE SURGICAL DECISION SUPPORT 30<sup>th</sup> - 31<sup>st</sup> 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 enhanced the fidelity of our "digital twin" organ models, bringing them closer to their real-world counterparts and offering greater accuracy in surgical simulations and planning.

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,



A handwritten signature in black ink, appearing to read 'F. Porpiglia'.

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.

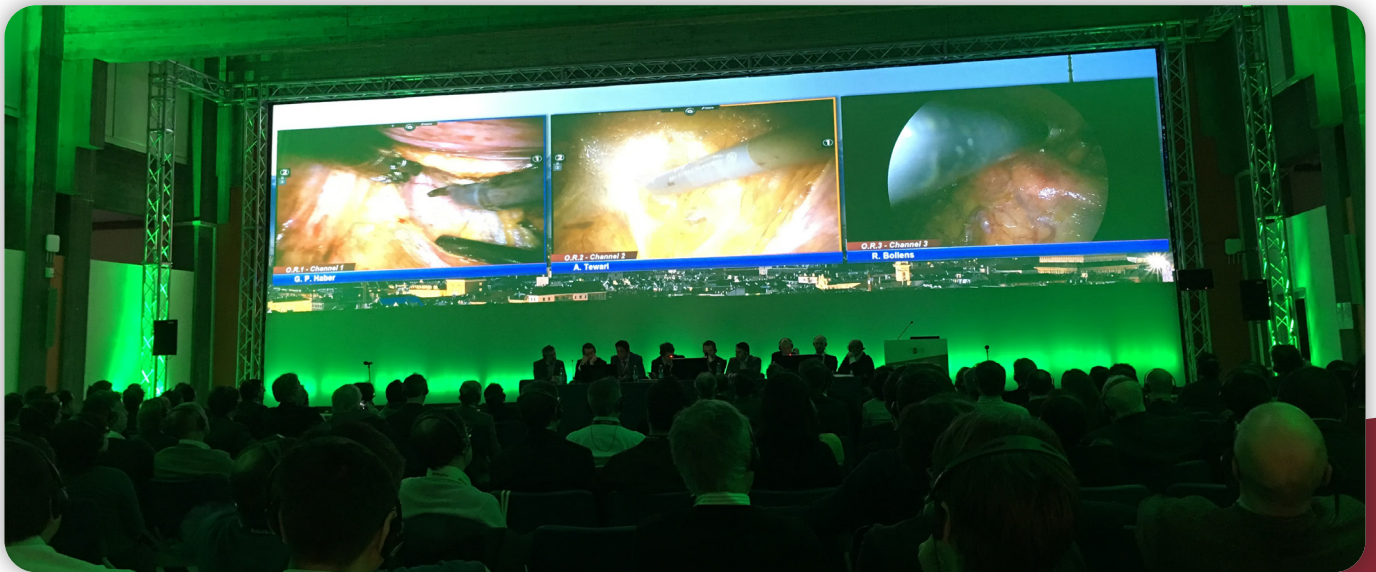
Our intensive scientific and research activity is widely recognized as demonstrated by the publications in the most famous international peer-reviewed journals.





# 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



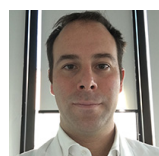
**Ketan Badani**  
Professor of Urology  
Icahn School of Medicine  
Mount Sinai, New York, Usa



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



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




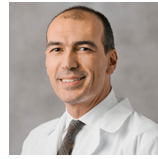
**Nicolò Maria Buffi**  
Department of Urology,  
Humanitas Research Hospital,  
Rozzano, Milan, Italy



## INVITED SURGEONS




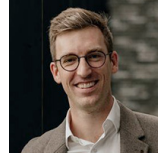
**Benjamin Challacombe**  
Consultant Urologist  
Guy's and St Thomas' Hospitals  
NHS Foundation Trust  
London, UK 




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



**Prokar Dasgupta**  
Professor and Chair of Urology  
at King's College London Guy's  
Hospital, King's Health Partners  
London, UK 



**Pieter De Backer**  
Surgical Artificial Intelligence Lead  
Orsi Academy, Gent, Belgium 



**Ruben De Groot**  
Assistant professor of Urology  
at KU Leuven, Belgium 



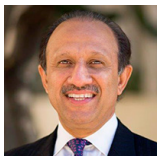
**Mihir Desai**  
Department of Urology  
USC Institute of Urology  
Los Angeles, USA 




**Antonio Galfano**  
Department of Urology  
Niguarda Hospital  
Milan, Italy 



**Ahmed Ghazi**  
Brady Urological Institute  
Johns Hopkins University  
Baltimore, USA 




**Inderbir Gill**  
Chair and Distinguished Professor of  
Urology, Shirley and Donald Skinner  
Chair in Urologic Cancer Surgery,  
Executive Director, USC Institute of  
Urology, Los Angeles 



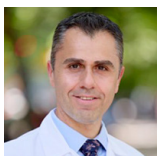
**Nina Harke**  
Head of Robotic Urology / Assistant  
Professor Hannover Medical School  
Hannover, Niedersachsen  
Germany 



**Jihad H. Kaouk**  
Director, Center for Robotic and  
Image Guided Surgery Cleveland  
Clinic, Cleveland, USA 



**Evangelos Liatsikos**  
Professor of Urology and Head of  
the Endourology and Laparoscopic  
Unit at the University of Patras  
Patras, Greece 




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



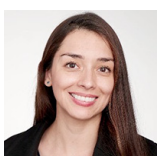
**Andrea Minervini**  
Chairman and Professor  
Department of Urology  
Careggi University Hospital  
Florence, Italy 




**Alex Mottrie**  
Head of the Urology Department  
of the OLV Hospital in Aalst and  
CEO of Orsi Academy, Belgium 



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



**Adriana Pedraza**  
Department of Urology  
Cleveland Clinic, Cleveland, USA 



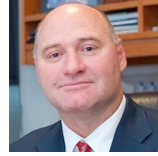
**Veronique Phè**  
Professor of Urology at Sorbonne  
University, Paris, France 

## INVITED SURGEONS



**Francesco Porpiglia**

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



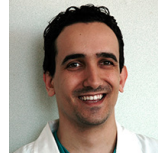
**James Porter**

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



**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



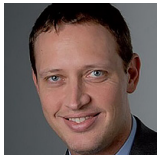
**Carlo Terrone**

Chief Department of Urology San Martino Hospital Genova, Italy



**Ashutosh Tewari**

Professor of Urology The Mount Sinai Hospital New York, USA



**Alessandro Volpe**

Urology Unit, University of Piemonte Orientale Novara, Italy



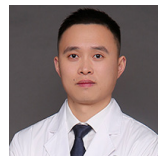
**Linhui Wang**

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



**Bo Yang**

Director Kidney cancer program Department of Urology Changhai Hospital Shanghai, China



**Xu Zhang**


Chief of Urology Department Chinese PLA General Hospital 301 Beijing, 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 

**Cosimo De Nunzio**

Department of Urology  
Sant'Andrea Hospital  
Rome, Italy 


**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 


**Fabrizio Dal Moro**

Department of Urology  
University of Padova, Italy 


**Elisa De Lorenzis**

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


**Marco De Sio**

Department of Urology  
University of Naples, 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  
University of Naples, Italy 


**Michele Di Dio**

Department of Urology  
SS. Annunziata Hospital  
Cosenza, Italy 

**Francesco Esperto**

Campus Biomedico  
University Hospital  
Rome, Italy 

**Umberto Falagarò**

Department of Urology  
Policlinico Riuniti, Foggia, Italy 

## INVITED SPEAKERS & MODERATORS

**Vincenzo Ficarra**

Department of Urology  
University of Messina  
Messina, Italy



**Andrea Gallioli**

Department of Urology,  
Puigvert Foundation,  
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



**Salvatore Micali**

Professor of Urology  
University of Modena and  
Reggio Emilia, Italy



**Carme Mir**

Imed Valencia, Spain



**Marco Moschini**

Department of Urology  
San Raffaele Hospital  
Milan, 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



**Sisto Perdonà**

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



**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



**Bernardo Rocco**

Department of Urology  
ASST Santi Paolo e Carlo  
Milan, Italy





## INVITED SPEAKERS & MODERATORS

**Giorgio Ivan Russo**

Urology Clinic  
University of Catania, 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



**Silvia Secco**

Department of Urology  
Hospital Niguarda  
Milan, Italy



**Nazareno R. Suardi**

Associate Professor of Urology,  
University of Brescia, Italy































**Michele Talso**

Department of Urology  
Sacco Hospital, Milan, Italy





























# PROGRAM

• January 30<sup>th</sup> 2025 •

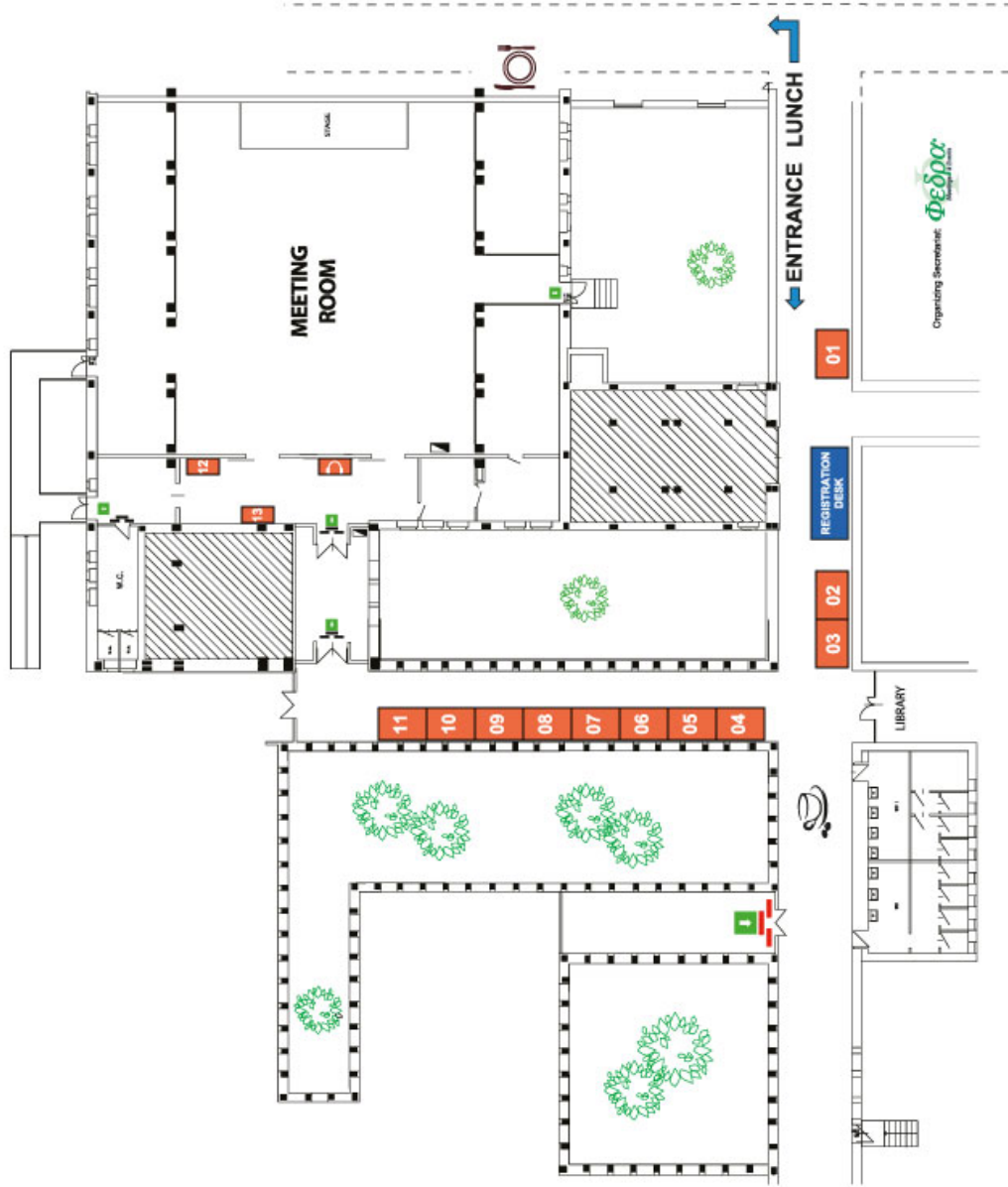
8.00 - 8.30	Welcome and Opening	
	<b>SCREEN #1</b>	<b>SCREEN #2</b>
<b>Moderators</b>		
8.30 - 10.00	<b>AI-driven Surgical Planning and Nerve-Sparing RAPN</b> Alessandro Antonelli  	<b>AI-driven Surgical Planning and Single Port RARP</b> Mihir Desai  
<b>Moderators</b>		
10.00 - 11.30	<b>AI-driven Surgical Planning and Multiport RAPN</b> Andrea Minervini  	<b>AI-driven Surgical Planning and complex Multiport RAPN</b> Ruben De Groot  
<b>Moderators</b>		
11.30 - 13.00	<b>AI-driven Surgical Planning and Multiport RAPN</b> Alberto Breda  	<b>AI-driven Surgical Planning and Single Port RARP</b> Peter Wiklund  
13.00 - 13.45	Lunch	
13.45 - 14.30	<b>Surgical AI:</b> Mihir Desai  <b>AI tissues identification during RAPN</b> Pieter De Backer (Semi live)  <b>How Telesurgery works?</b> Zhenjie Wu (Semi live) 	<b>Robotic surgery with DaVinci V</b> Vipul Patel 
<b>Moderators</b>		
14.30 - 15.30	<b>AI-driven Surgical Planning and Multiport RAPN</b> Francesco Porpiglia  	<b>AI-driven Surgical Planning and Lap. PN</b> Renaud Bollens  
<b>Moderators</b>		
15:30 - 17:00	<b>AI-driven Surgical Planning and Multiport RAPN</b> Alessandro Volpe  	<b>AI-driven Surgical Planning and Multiport RAPN</b> Reza Mehrazin  
<b>Moderators</b>		
17:00 - 18:30	<b>AI-driven Surgical Planning and Multiport RARP with Hydro-dissection</b> Ashutosh Tewari  	<b>AI-driven Surgical Planning and Multiport RAPN</b> Zhenjie Wu  

# PROGRAM

• January 31<sup>st</sup> 2025 •

	SCREEN #1	SCREEN #2
<b>Moderators</b>		
<b>8.30 - 10.00</b>	<b>AI-driven Surgical Planning and Multiport RAPN</b> Nicolò Maria Buffi  	<b>AI-driven Surgical Planning and <u>Single Port</u> Retroperitoneal RAPN</b> Simone Crivellaro  
<b>Moderators</b>	Simone Albisinni	
<b>10.00 - 11.30</b>	<b>Robotic Thrombectomy during RARN</b> Linhui Wang  	<b>AI-driven Surgical Planning and Multiport Retroperineal RAPN</b> James Porter  
<b>Moderators</b>		
<b>11:30 - 13:00</b>	<b>AI-driven Surgical Planning and Multiport RS</b> Antonio Galfano  	<b>AI-driven Surgical Planning and <u>Single Port</u> RARP</b> Benjamin Challacombe  
<b>13.00 - 13.45</b>	<b>Lunch</b>	
<b>13.45 - 14.30</b>	<b>AI-driven Surgical Planning and <u>Single Port</u> RAPN</b> Francesco Porpiglia  	<b>Hugo-Ras technology for transperitoneal RAPN</b> Rocco Papalia  
<b>Moderators</b>	Simone Albisinni	
<b>14.30 - 15.30</b>	<b>TBD 1 Hour</b>	<b>AI-driven Surgical Planning and Multiport Robotic Sacrocolpopexy</b> Veronique Phè  
<b>Moderators</b>		
<b>15:30 - 17:00</b>	<b>AI-driven Surgical Planning and Multiport RARP</b> Bernardo Rocco  	<b>AI-driven Surgical Planning and Multiport RAPN</b> Ahmed Ghazi  
<b>Moderators</b>		
<b>17:00 - 18:30</b>	<b>AI-driven Surgical Planning and Multiport RAPN</b> Riccardo Autorino  	<b>AI-driven Surgical Planning and Multiport RARP</b> Giuseppe Simone  

# EXHIBITION FLOOR PLAN



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- 13 -



## CONGRESS VENUE

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



## MEETING PLANNER



### **FEDRA Congressi**

Provider ECM n° 3376  
Viale dei SS. Pietro e Paolo, 21  
00144 Rome, Italy  
Ph. +39 06 52247328  
[info@fedracongressi.com](mailto:info@fedracongressi.com)  
[www.fedracongressi.com](http://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

Accreditation pending.

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

Visit our website at:

[www.technoneurologymeeting.com](http://www.technoneurologymeeting.com)



**FEDRA Congressi**

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