

**2nd PhD SITELF SCHOOL**  
**(XXIV ADRITELF National PhD school)**

**BIOIMAGING, THERANOSTICS AND ADVANCED  
PHARMACEUTICAL TECHNOLOGIES:  
WHAT COMBINATION FOR PRECISION MEDICINE?**

**Palermo, 2-4 September 2025**

**Program**

**2 September 2025**

**13:45 – 15:15 Registration and welcome**

**15:15 Opening speech: Prof. P. Minghetti and G. Cavallaro**

**15:30 - 17:00 First day - Session one**

**DESIGN AND PRODUCTION OF BIOMATERIALS FOR THERANOSTICS  
APPROACHES**

- **15:30 – 16:15:** Speaker: Prof. Thomas Etrych (Institute of Macromolecular Chemistry, Czech Academy of Science, Prague)  
“Hydrophilic polymer-based biomaterials as a tool in in vitro diagnostics, therapeutics and theranostics”
- **16:15 - 17:00:** Speaker: Prof. Cinzia Scialabba (University of Palermo)  
“Exploring Theranostics: Innovative Nanomedicine Application in Precision Medicine”

**17:00 – 18:30 PhD Student talk section**

**Welcome social event**

**3 September 2025**

**09:00-10:30 Second day - Session one**

**NANOBASED DRUG DELIVERY SYSTEMS IN PRECISION MEDICINE  
AND THERANOSTICS**

- **09:00 - 09:45:** Speaker: Prof. Giuseppe Battaglia (Institute for Bioengineering of Catalogna, Spain)  
“Next generation nanomedicines: from drug delivery to supramolecular drugs”
- **09:45 – 10:30:** Speaker: Prof. Nicola Tirelli (Italian Institute of Technology, Genova)

“Transcriptomic profiling – a powerful tool for the stratification of tumours but also for really targeted therapies”

- 10:30 - 10:45: *Elsevier*, technical session, Speaker and title to be defined

#### Coffee Break: 10:30 – 11:00

#### 11:00-12:30 Second day – Session two

##### PHOTO-RESPONSIVE SYSTEMS FOR THERANOSTICS

- 11:00 - 11:45: Speaker: Prof. Salvo Sortino (University of Catania)  
“Photoactivatable Drug Delivery Systems”
- 11:45 - 12:30: Speaker: Prof. Elisabetta Ranucci (University of Milano)  
“Luminescent Poly(amidoamine)–Iridium Complex as a New Singlet-Oxygen Sensitizer for Photodynamic Therapy”

#### Lunch Break: 13:00-15:00

#### 15:00 - 17:30 PhD Student talk section

#### 17:30 – 18:30 Poster Session

### 4 September 2025

#### 09:00-10:30 Third day – Session one

##### IMAGING TOOLS IN PRECISION MEDICINE: FROM MOLECULAR INSIGHT TO THERAPEUTIC INNOVATION

- 09:00 - 09:45: Speaker: Prof. Valeria Vetri (University of Palermo)  
“From light to insight: investigating molecular fate with quantitative fluorescence microscopy”
- 09:45 – 10:30: Speaker: Dr. Mauro Sassi (Novartis)  
“Radioligand Therapy and Analytics: unlocking the future of medical innovation”

#### Coffee Break: 10:30 - 10:45

#### 11:00-12:45 Third day – Session two

##### MAGNETIC RESONANCE BASED SYSTEMS FOR THERANOSTICS

- 11:00 – 11:45: Speaker: Prof. Silvio Aime (Istituto di Bioimaging di Torino)  
“Advances in Magnetic Resonance Probes and Procedures for Medical Imaging”
- 11:45 – 12:30: Speaker: Dr. Cesare Gagliardo (University of Palermo)  
“Magnetic Resonance Imaging: From Precision Diagnosis to Targeted Treatment”

#### Lunch Break: 13:00-15:00

#### 15:00 - 17:30 PhD Student talk section

#### 17:30 – 18:30 Poster Session

### Social dinner and awards ceremony