

## SMM • Molecular and Translational Research in Oncology

### Spring school 2025 (Curriculum – MODULE 2)

*Techniques in molecular medicine - obligatory course, covering the issues of laboratory methodology, analytical methods, bioinformatics and visualization. The issues will be discussed by experts in the respective fields. Courses are grouped into the so-called "thematic schools", conducted in the winter and summer semesters at the University and partner organizational units (full-time classes, two thematic schools per year, each school with a minimum of 30 hours).*

### Day 1 | 14/05/2025 (Wednesday)

**Location:** Greater Poland Cancer Centre, 15 Garbary Street, Poznań

■ Introduction
 ■ Lecture
 ■ Break
 ■ PhD
 ■ Workshop

TIME	LENGTH	LOCATION /ROOM	TITLE	SPEAKER
09:00	15m	WCO D001 main entrance, ground floor	<b>Introduction</b>	<b>Maciej Wiznerowicz</b> Poznan University of Medical Sciences
09:15	1h 15m	D001 main entrance, ground floor	<b>Uveal Melanoma and skin melanoma</b>	<b>Bożena Romanowska-Dixon</b> Jagiellonian University
10:30	15m		Coffee break	
10:45	2h 45m	D001 main entrance, ground floor	<b>Presentation of PhD Students' research projects</b>	

Doctoral School of Molecular Medicine at the Medical University of Lodz

PhD Student	Supervisor	Research topic	Partner's Unit
Bilska Aleksandra	dr hab. Bartosz Wojtaś	<i>DNA methylation and gene expression associations in rheumatoid arthritis: identification of patterns in regulatory regions</i>	Institute of Computer Science PAS
Błoński Piotr	prof. dr hab. Anna Czarnecka	<i>Clinico-biological prognostic biomarkers in melanoma patients with brain metastases</i>	National Research Institute of Oncology

*treated with  
immunotherapy*

<b>Dhanapal Shrinath</b>	prof. dr hab. Bożena Kamińska-Kaczmarek	<i>Transcriptome analysis and TCR profiling in single immune cells in pediatric malignant gliomas</i>	Nencki Institute of Experimental Biology PAS
<b>Dzięcioł Karolina</b>	prof. dr hab. n. med. Tomasz Kostka	<i>Early identification of prognostic biomarkers in the diagnostics of frailty syndrome, sarcopenia, and malnutrition in older adults</i>	Medical University of Lodz
<b>Maćkowiak Bartosz</b>	prof. dr hab. n. med. Wiktoria Suchorska	<i>The role of global genome and transcription coupled nucleotide excision system in carcinogenesis</i>	Greater Poland Cancer Centre
<b>Mazurek Maciej</b>	prof. dr hab. n. med. Wojciech Młynarski	<i>In vitro modeling of megakaryopoiesis in patients with congenital bone marrow failures of hemostasis</i>	Medical University of Lodz
<b>Mohr Marcel</b>	dr hab. Katarzyna Kulcenty	<i>To identify the m6A RNA methylation signature in HPV-dependent head and neck squamous cell carcinoma (HNSCC) therapy</i>	Greater Poland Cancer Centre
<b>Płoszka Katarzyna</b>	prof. dr hab. n. med. Wojciech Fendler	<i>Dynamic evaluation of menstrual cycle's impact on R-loop formation in women with DNA repair deficiency-associated malignancies</i>	Medical University of Lodz

13:30	30m		Lunch break	
14:00	1h 15m	D001 main entrance, ground floor	<b>Fundamentals of Cytometric Analysis</b>	<b>Igor Piotrowski</b> Greater Poland Cancer Centre
15:15	2h	WCO room 3408a 3 <sup>rd</sup> floor	<b>Flow cytometry workshop</b> Cytometry Laboratory of the Radiobiology Unit (room 3408a, WCO, 3rd floor)	<b>Igor Piotrowski</b> Greater Poland Cancer Centre
17:15				

TOTAL LENGTH: 8h 15m

## Day 2 | 15/05/2025 (Thursday)

**Location:** Andersia Hotel (3 Władysław Anders Square, 61-894 Poznań)  
Room B “Ibiza”

Seminar
  Break
  Lecture

TIME	LENGTH	LOCATION /ROOM	TITLE	SPEAKER
09:00	1h 15m	Room B	<b>Cancer Proteogenomics</b>	<b>Maciej Wiznerowicz</b> Poznan University of Medical Sciences
10:15	15m		Coffee break	
10:30	1h 15m	Room B	<b>Cancer Pathology</b>	<b>Paweł Kurzawa</b> Poznan University of Medical Sciences
11:45	15m		Break	
12:00	1h 15	Room B	<b>Cancer genetics and microelements</b>	<b>Jan Lubiński</b> Pomeranian Medical University in Szczecin
13:15	45min		Lunch break	
14:30	1h 15	Room B	<b>Oncogenic Signalling Pathways</b>	<b>Peter Blume-Jensen, Boston</b> President and Founder at Acrivon Therapeutics
15:45				







TOTAL LENGTH: 6h 45m

## Day 3 | 16/05/2025 (Friday)

**Location:** Andersia Hotel (3 Władysław Anders Square, 61-894 Poznań)  
Room B “Ibiza”

**Demonstration visit:** University Clinical Hospital, 84 Szamarzewskiego Street




 Lecture    Exercise    Break    Demonstration visit

TIME	LENGTH	LOCATION/ROOM	TITLE	SPEAKER
9:00	1h 15min	Room B	 <b>Cancer</b>	<b>Ewa Bartnik</b> Institute of Genetics and Biotechnology, University of Warsaw
10:15	15min		 Break	
10:30	1h 15min	Room B	 <b>Silent but deadly: unmasking pancreatic ductal adenocarcinoma</b>	<b>Aleksandra Tarasiuk Zawadzka</b> Medical University of Lodz
11:45	15min		 Break	
12:00	2h	Hospital	 <b>Visit to Pathology Dept</b>	University Clinical Hospital, 84 Szamarzewskiego Street
14:00	1h	Room B	 <b>The somatic mutation landscape in Tuberous Sclerosis Complex</b>	<b>Katarzyna Klonowska</b> Institute of Bioorganic Chemistry
15:00				
TOTAL LENGTH: 6h				

## Day 4 | 17/05/2025 (Saturday)

**Location:** Andersia Hotel (3 Władysław Anders Square, 61-894 Poznań)  
Room B “Ibiza”

 Lecture    Exercise    Break    Demonstration visit

TIME	LENGTH	LOCATION/ROOM	TITLE	SPEAKER
9:00	1h 15min	Room B	 Dysfunction of epigenetics in cancer	<b>Bożena Kamińska-Kaczmarek</b> Nencki Institute of Experimental Biology PAS
10:15	15min		 Break	
10:30	1h 15min	Room B	 Mechanisms of tumor immune evasion	<b>Bożena Kamińska-Kaczmarek</b> Nencki Institute of Experimental Biology PAS
11:45				
TOTAL LENGTH: 2h 45m				