



43rd NATIONAL CONGRESS

OF THE ITALIAN SOCIETY OF PHARMACOLOGY

CREATING VALUE THROUGH
PHARMACOLOGICAL RESEARCH

TURIN CENTRO CONGRESSI LINGOTTO

25-28 NOVEMBER 2026

SOCIETÀ ITALIANA
DI FARMACOLOGIA

3PSOLUTION

WITH THE PATRONAGE OF

AIFA AGENZIA ITALIANA DEL FARMACO

CONFERENZA DELLE REGIONI E DELLE PROVINCE AUTONOME

UNIVERSITÀ DI TORINO

FNOMCeO Federazione Nazionale degli Ordini dei Medici Chirurghi e degli Odontoiatri

Federazione Ordini Farmacisti Italiani FOFI

FIMMG Federazione Italiana Medici di Famiglia

FISM Federazione delle Società Medico-Scientifiche Italiane

SIMG SOCIETÀ ITALIANA DEI MEDICI DI MEDICINA GENERALE E DELLE CURE PRIMARIE

FARMINDUSTRIA

FEDERCHIMICA ASSOBIOTEC 40 ANNIVERSARIO 1986-2026

Egualia INDUSTRIE FARMACI ACCESSIBILI

CONFINDUSTRIA Dispositivi Medici

AIOM ASSOCIAZIONE ITALIANA ONCOLOGIA MEDICA

Morgagni Leonardo Cesalpino Lancisi SIC Società Italiana di Cardiologia

ISPOR Italy-Rome Chapter

Sifact SOCIETÀ ITALIANA DI FARMACIA CLINICA E TERAPIA

sihta SOCIETÀ ITALIANA DI HEALTH TECHNOLOGY ASSESSMENT

SIICA Società Italiana di Immunologia Immunologia Clinica e Allergologia

SIMeF Società Italiana di Medicina Farmaceutica Italian Society of Pharmaceutical Medicine

SIMIT Società Italiana di Malattie Infettive e Tropicali

Sin SOCIETÀ ITALIANA DI NEUROLOGIA

SINS ITALIAN SOCIETY FOR NEUROSCIENCE

SOCIETÀ ITALIANA DI TOSSICOLOGIA SITOX 1972

Con il patrocinio di ÜNIAMO Federazione Italiana Malattie Rare Rare Diseases Italy

Banco Farmaceutico FONDAZIONE ETS

FONDAZIONE Telethon

Il patrocinio da parte dell'Agenzia Italiana del Farmaco (AIFA) è concesso esclusivamente quale riconoscimento istituzionale dell'iniziativa.
L'AIFA non è responsabile dell'organizzazione e della gestione dell'evento, né dei contenuti scientifici, formativi o informativi dell'evento e delle opinioni espresse dai partecipanti a qualunque titolo.

THANKS TO

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MEDIA PARTNER

SALUTE

SCIENTIFIC RATIONALE

A congress of a learned society serves to showcase the activities and research of the members, to imagine and shape together the future of the discipline, and to bring together professionals with similar backgrounds to allow them to establish collaborations and exchange best practices. The Congress in Turin embraces all three of these missions.

Ample space will be given, as usual, to high-quality research. Yet, there are important changes compared to the past. The traditional oral communications have been converted into topic symposia organized exclusively by the early-career pharmacology members. Furthermore, an effort has been made, whenever possible, to bring together basic and clinical content. Indeed, while **a good researcher in any discipline is measured by the ability to answer relevant scientific questions** and thus push the boundaries of knowledge, **a pharmacologist has a further challenge**: to move transversally across all areas of drug development, from target identification to market access dynamics, encompassing preclinical, non-clinical and clinical research, evidence generation and evaluation, as well as regulation and market dynamics.

The congress aims to be a showcase of the golden age we are experiencing. Drugs are being developed much more rapidly than in the past, a significantly greater number of drugs is being developed, and the available technologies have increased substantially. This new wealth is accompanied by increased complexity at every level and therefore by the need for significant changes. Proximity of care, system sustainability, telemedicine, translational medicine, precision medicine, prevention, and artificial intelligence are no longer slogans but are embedded in the pharmaceutical world we live in. In this context, the role of the pharmacologist is central, as the transversal nature of the profession will bring significant value to the system.

Finally, the congress will address many of the key cross-cutting themes at the heart of current discussions, from high-quality basic research to new tools in clinical research, from real-world evidence to regulatory uncertainties, from evidence-based medicine to the personalization of therapies, including gender pharmacology, and from economic sustainability to organizational innovation.

The congress will bring together leading experts from academia, the public and private sectors, thereby fostering a high-level and productive scientific environment. To support this process, structured networking opportunities will be provided for trainees, members serving on Ethics Committees, professionals working in Phase I Units and molecular tumor boards, and members of the SIF sections.

SCIENTIFIC CHAIR:

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GENERAL INFORMATION

SCIENTIFIC SECRETARIAT

SOCIETÀ ITALIANA DI FARMACOLOGIA

SIF Società Italiana di Farmacologia
Via Giovanni Pascoli, 3
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segreteria@sifweb.org
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Contacts:
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Fabio Costantino

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During the Congress, SIF Organizing Secretariat will be available at the dedicated desk for any assistance or information.

ORGANIZING SECRETARIAT AND CME PROVIDER

3PSOLUTION

3PSolution srl
Corso Europa, 13
20122 Milano – Italy
info@3psolution.it
www.3psolution.it

Contacts:
Chiara Ceriotti – 350 0815888
Irene Sarcina – 389 6079277
Antonella Verzelloni – 347 5856491

During the Congress, participants may contact 3P Solution Secretariat at the dedicated desk.

GENERAL INFORMATION

Congress Venue

Lingotto Conference Centre

Via Nizza, 280

10126 Turin

How to reach the Venue

The Lingotto Conference Centre is located at 280 Via Nizza, just 10 minutes away from the City Centre and Railway Stations.

Entrances to the Centre:

- **Via Nizza 280:**

Pedestrian access and drop-off entrance for private buses

Lingotto taxi drop off: www.taxitorino.it

- **Via Nizza 280 bis and Via Nizza 230:**

Entrance to underground parking (hourly and daily rates): (www.lingottoparking.com)

- **From the Sandro Pertini International Airport:**

Bus services (about 45 min.) to the Turin Porta Nuova and Turin Porta Susa railway stations, as shown on the ARRIVA website https://torino.arriva.it

Turin is also directly connected by daily bus rides from the "Malpensa 2000" Intercontinental Airport (approx. 100 km). ARRIVA https://torino.arriva.it

- **From the Turin Porta Nuova and Turin Porta Susa Railway Stations and the City Centre:**

Take Metro Line 1 toward BENGASI and exit at LINGOTTO.

Public transportation info is available from www.gtt.to.it

- **From the Turin Lingotto Railway Station:**

Use the Olympic footbridge from Lingotto Station (open **07:00-22:00**).

It's approximately a 20-minute walk.

- **From Motorways:**

Take Tangenziale Sud, exit at Corso Unità d'Italia and follow signs for Lingotto

GENERAL INFORMATION

Registration fees

SIF MEMBER - VAT-EXEMPT FEE

The SIF has decided to offer its MEMBERS an additional benefit.

Those who have regularly paid their membership fee can register for the Congress by paying a VAT-exempt fee (*Legal reference: "Specific fees paid by members, athletes, for institutional purposes - Outside the VAT Area - art. 4, paragraph 4, Presidential Decree 633/72"*). Please note that for VAT-exempt fee will be issued A TAX RECEIPT (Not an invoice).

SIF member	**500 €**	**300 €**
SIF member Under 38	**300 €**	**200 €**

NON-SIF MEMBER VAT INCLUDED FEE*

For VAT included fee will be issued a regular invoice.

		Day pass
NON MEMBER – Academic and Health professions	**€ 854,00 (€700 + 22% VAT)**	**€ 427,00 (€ 350 + 22% VAT)**
NON MEMBER Under 38 - Academic and Health professions and/or Member of other Scientific Societies	**€ 488,00 (€400 + 22% VAT)**	**€ 305,00 (€ 250 + 22% VAT)**
NON MEMBER - Pharmaceutical / Biotechnology Companies, Service Providers, Consultancies, Financial Institutions, Marketing & Communications Companies, Management & Data Companies and Training & Education Companies	**€ 1.159,00 (€950+ 22% VAT)**	**€ 610,00 (€ 500 + 22% VAT)**
NON MEMBER - PAYMENT WITH PAYPAL - Pharmaceutical / Biotechnology Companies, Service Providers, Consultancies, Financial Institutions, Marketing & Communications Companies, Management & Data Companies and Training & Education Companies	**€ 1.205,36 (€988 + 22% VAT)**	**€ 634,00 (€ 520 + 22% VAT)**

**On-site registration fees may be paid exclusively via PayPal.*

PROGRAMME INFORMATION

The Congress is divided into two areas:

- Continuing Medical Education (CME) Area - ROOM ROMA
- NON-CME Area

CME

3P Solution has been accredited by the Ministry of Health as a CME Standard Provider (code 327, authorized on October 15th, 2012).
3P Solution owns the responsibility for the content, quality and ethical correctness of this CME activity.

The Congress has been accredited (ID CME 496063) with 17 CME credits with a formative technical-professional objective "Technical professional content (knowledge and competences) specifications of each profession, of all specialization and ultra-specialist activity. Rare disease", belonging to formative technical-professional objective area, for the following professions: medical doctors, pharmacists, biologists, chemists, healthcare assistants, biomedical laboratory technicians

In order to receive credits, participants must:

1. Attend at least 90% of the accredited CME sessions (attendance check);
2. **Complete the evaluation form and the CME test** by answering at least 75% of the questions correctly (in accordance with AGENAS regulations, the questionnaires will be available in the reserved area from the end of the event and may be completed until **1:00** p.m. on 1 December 2026. After this deadline, it will no longer be possible to access or complete the questionnaires and, consequently, CME credits cannot be awarded. The certificate reporting the CME credits earned will be made available online following completion of the validation process);

MY ECM

Age.na.s activated MyEcm service (personalized page available to any health professional), which enables you to:

- Consult the CME events offer;
- Refer to the summary of events attended and earned credits;
- Provide an assessment of courses organized by the Provider.

To access online services please log on to https://ecm.agenas.it/professionisti-sanitari/myecm

Certificate of Attendance

The Certificate of Attendance will be available for download online after the Congress.

GUIDELINES FOR SPEAKERS

To ensure the smooth running of the programme, speakers are kindly requested to observe the following guidelines:

1. In accordance with CME regulations, **specific medicinal product brand names may not be displayed during accredited sessions**. Only generic names (active substances, instruments, devices) are permitted. **Commercial brand names must not be mentioned**, even when unrelated to the topic being presented. In addition, **references to pharmaceutical companies are not allowed**.
2. **Presentations must be submitted to the Slide Centre at least 4 hours before the session**. For sessions scheduled on 25 November 2026, presentations may be submitted up to 3 hours before the session. Presentations sent by email to the Organizing Secretariat will not be accepted.
3. **Presentations must be in PowerPoint format (.ppt/.pptx) and named according to the following convention: *SurnameName-Date*** (e.g. *RossiMario-25Nov*). Speakers are strongly advised to provide all multimedia files (videos and audio files) used in the presentation together with the PowerPoint file to ensure correct playback during the session.
4. Personal laptops cannot be connected directly to the projection system.
5. **Speakers are kindly requested to adhere strictly to the allocated presentation time**. A countdown timer will be visible during the presentation, and an audible signal will indicate when the allotted time has expired.

Technical staff will be available in each room to provide assistance.

Slide Center opening hours
Wednesday: **11.30** - **19.00**
Thursday: **08.00** - **18.00**
Friday: **08.00** - **20.00**
Saturday: **08.00** - **13.00**

Guidelines for Session Chairs

Session Chairs are kindly requested to be present in the MEETING ROOM at least 10 minutes before the start of the session and to ensure that both the session timetable and the allocated presentation times are respected.

GUIDELINES FOR POSTER PRESENTERS

At the end of the Congress, 30 prizes of €500.00 (gross) each will be awarded for the best posters. The prize will be awarded only to winners present in the room during the awards ceremony; otherwise, it will be awarded to the next eligible winner.

Presenting Authors are requested to be available during the poster discussion periods according to the official programme.

- Posters must be prepared in **English**.
- Maximum dimensions: **70 cm (W) × 100 cm (H)**.
- Posters must be displayed on the assigned numbered board.
- Posters must be removed at the end of the relevant poster session.
- Posters not removed within the scheduled time will not be stored by the Secretariat.

Poster Session I

26 November 2026 | 10:15 - 14:00

- Poster Set-Up: **10:00** - **10:15**
- Poster Display: **10:15** - **14:00**
- Discussion with the Presenting Author: **12:30** - **14:00**
- Poster Removal: **14:00** - **14:15**

Poster Session II

26 November 2026 | 15:15 – 19:00

- Poster Set-Up: **15:00** - **15:15**
- Poster Display: **15:15** - **17:30**
- Discussion with the Presenting Author: **17:30** - **19:00**
- Poster Removal: **19:00** - **19:15**

Poster Session III

27 November 2026 | 10:45 - 14:30

- Poster Set-Up: **10:30** - **10:45**
- Poster Display: **10:45** - **14:30**
- Discussion with the Presenting Author: **13:00** - **14:30**
- Poster Removal: **14:30** - **14:45**

WEDNESDAY **25 NOVEMBER 2026**

	ROOM MADRID	ROOM DUBLINO	ROOM BERLINO	ROOM LONDRA	ROOM ISTANBUL FLOOR 1	ROOM ROMA CME FLOOR 1	ROOM PARIGI FLOOR 1
13.30-14.00	Synaptic and cellular communication in neurodegeneration	Phytotherapeutics and the central nervous system	Post-marketing surveillance and appropriate drug utilization	Therapeutic drug monitoring as a measure of appropriateness in adult and pediatric populations	Precision medicine: oncology and beyond	Pharmacological innovations for the management of metabolic disorders and their comorbidities	Tissue damage and the immune microenvironment: emerging immunoregulatory mechanisms and therapeutic perspectives
14.00-14.30							
14.30-15.00							
15.00-15.30							
15.30-16.00	AUDITORIUM OPENING CEREMONY						
16.00-17.00	AUDITORIUM Plenary Lecture: From unmet clinical needs to better care: lessons from a career in oncology research						
17.00-18.00	AUDITORIUM Plenary Round Table: Research opportunities and future perspectives in pharmacology						
18.00-19.00	AUDITORIUM Plenary Round Table: Access to therapies and early access pathways in Italy						

THURSDAY **26 NOVEMBER 2026**

SPONSORED SESSION

	ROOM MADRID	ROOM DUBLINO	ROOM BERLINO	ROOM LONDRA	ROOM ISTANBUL FLOOR 1	ROOM ROMA CME FLOOR 1	ROOM PARIGI FLOOR 1
8.30-9.00	De novo drug design, polypharmacy, repurposing, and AI-driven discovery in rare diseases	Biotechnological drugs in modern pharmacology: emerging classes	New approaches in endothelial and cardiac dysfunction	CGRP: migraine and beyond	Pulmonary disorders: emerging targets and technologies	From visceral to somatic pain: mechanisms, pathways, and therapeutic targets	Convergent modulation of neuroinflammation and immunity through shared molecular pathways in CNS pathologies
9.00-9.30							
9.30-10.00	Preclinical and clinical research in rare disorders			Drug discovery and drug development: the role of technology transfer			
10.00-10.30		Novel advances in cardiovascular prevention and cardiovascular disorders	Next-generation oncology: degraders, ADCs and radioligand therapies		Precision medicine in respiratory diseases: novel biomarkers and patient stratification	Vulnerability to relapse: behavioral, circuit and molecular fingerprints	
10.30-11.00							Drug combinations as the modern paradigm: opportunities and challenges
11.00-11.30				Tackling antimicrobial resistance			
11.30-12.00						Modelling and simulation as drivers of innovation in pharmacology	Artificial Intelligence: the way Forward to a safe healthcare environment
12.00-12.30		Obesity and the prevention of cardiovascular risk	The disease beneath the disease: smoldering multiple sclerosis, its silent progression, and the evolving therapeutic approaches				
12.30-13.30				Institutional review board network			

12.30-14.30	POSTER SESSION 1 & LUNCH

	ROOM MADRID	ROOM DUBLINO	ROOM BERLINO	ROOM LONDRA	ROOM ISTANBUL FLOOR 1	ROOM ROMA CME FLOOR 1	ROOM PARIGI FLOOR 1
14.30-15.00	How precision medicine is transforming rare diseases: the avapritinib story	Prevention of infectious diseases	Cardiovascular applications of drugs used in the treatment of diabetes and obesity	Novel perspectives in eating disorders	Early diagnosis and disease-modifying strategies in Alzheimer's disease: which evidence?	Optimizing polypharmacy management in complex patients: key priorities, tools, and strategic approaches	Intestinal inflammation and tissue remodeling: from mechanisms to anti-fibrotic strategies
15.00-15.30							
15.30-16.00	Disease understanding in complement-mediated disorders: translating biology into targeted immunopharmacology	Gene and cancer immunotherapy: unveiling molecular and cellular mechanism/s underlying immunotherapy					
16.00-16.30	Drug repurposing for neuropharmacology: translational paths from neurodevelopmental disorders to brain tumors		The evolving landscape of obesity pharmacology	The Integration of RWD and RWE into regulatory and early access processes in Italy	The social brain: from neural circuits in mice to human therapeutic insights	Chronic pain 2.0: emerging mechanisms and therapeutic strategies	The senescence - inflammation axis
16.30-17.00							
17.00-17.30							
17.30-19.00	POSTER SESSION 2						

FRIDAY **27 NOVEMBER 2026**

SPONSORED SESSION

	ROOM MADRID	ROOM DUBLINO	ROOM BERLINO	ROOM LONDRA	ROOM ISTANBUL FLOOR 1	ROOM ROMA CME FLOOR 1	ROOM PARIGI FLOOR 1
8.30-9.00	At the crossroads of eating disorders and addictive behaviors: converging mechanisms towards translational perspective	Natural compounds and barrier functions: new evidence between gastroprotection, metabolism, and aging	Drug targeting of cancer cells	Novel and 3R-compliant platforms for early translational research in rare diseases	The metastatic partnership: vascular, stromal and immune interaction in the journey of circulating tumor cells	Role of sex differences in the modulation of lipid-derived mediators across different pathological conditions	Deconstructing neurodevelopmental disorders: from neurobiological mechanisms to clinical trials
9.00-9.30							
9.30-10.00	Bispecific antibodies: from the laboratory to the clinic				Pharmacogenetics in personalized medicine	Psychedelics and more: innovative treatments for neurodevelopmental diseases and therapeutic challenges	
10.00-10.30		The next generation of clinical pharmacology and hospital pharmacy: contributions from specialty trainees		Transitional care in rare diseases: regulatory and therapeutic pathways for orphan drugs and advanced therapies			
10.30-11.00			Emerging strategies in cardiovascular prevention				
11.00-11.30					The role of pharmacology in clinical precision oncology	From maternal well-being to offspring mental health: molecular determinants of intergenerational vulnerability	Marine Pharmacology: a sea of opportunities
11.30-12.00	CAR-T: precision mechanisms and therapeutic innovation	Medicines in the environment: monitoring, treatments and intervention strategies	**SIF-EGUALIA Symposium** From generic and biosimilar medicines to essential medicines: new scientific and industrial challenges to ensure access to healthcare in Europe	Givinostat in Duchenne muscular dystrophy: an Italian story of scientific innovation, translational research and patient partnership			
12.00-12.30				Beyond individual syndromes: how should the regulatory approach to DEEs evolve			
12.30-13.30	**POSTER SESSION 3 & LUNCH**						Molecular Tumor Board Network
13.30-14.30	**POSTER SESSION 3 & LUNCH**						Phase I Clinical Trial Network
14.30-15.00	Dyshomeostasis of non-neuronal cells as a novel and early pharmacological target in neurodegenerative disorders	Rare tumors: management of unmet medical needs	**SIF-FARMINDUSTRIA Symposium** Clinical pharmacology and the competitiveness of the Italian system: between global pressures and national regulatory choices	Safety and regulatory framework for medicinal plants and nutraceutical	Teaching 2.0: innovative methodological approaches	Therapeutic advances in developmental and epileptic encephalopathies: present and future	Sex-aware pharmacological research: from scientific evidence to experimental practice
15.00-15.30							
15.30-16.00		Unlocking Transient Receptor Potential (TRP) channels		Assembly of the SIF Early Career Pharmacology Group			
16.00-16.30			Assembly of the SIF Clinical Pharmacology Section				Assembly of the SIF Education Section
16.30-17.30	**AUDITORIUM** Case studies of industrial research and development						
17.30-18.00	**AUDITORIUM** Beyond words: when emotions become movement						
18.00-20.00	**AUDITORIUM SIF GENERAL ASSEMBLY**						

SATURDAY **28 NOVEMBER 2026**

	ROOM MADRID	ROOM DUBLINO	ROOM BERLINO	ROOM LONDRA	ROOM ISTANBUL FLOOR 1	ROOM ROMA CME FLOOR 1	ROOM PARIGI FLOOR 1
8.30-9.00	Advances in alternative research methods	Frailty in complex comorbidities	**Joint SIF–SIICA Symposium:** targeting immunometabolism Young investigators rewiring immune function	Targeting cellular and structural components of the tumor microenvironment	Real-world evidence of biologic drugs in immune mediated inflammatory diseases	Environmental stress as a driver of neuro-immuno-metabolic disease: risk factors and vulnerability mechanisms	Substance use disorders in adolescence and adulthood: neurobiological adaptations, behavioral outcomes, and their clinical relevance
9.00-9.30							
9.30-10.00		Intestinal microbiota in extra-digestive disorders			Stress across the lifespan: mechanistic insights		
10.00-10.30			Inflammation and response to pharmacological treatment in psychiatric disorders	Clinical pharmacology and the National Health System		Biological therapies and molecular target drugs in chronic inflammatory autoimmune diseases: from basic and translational research to clinical evidence	Post-transcriptional regulation: the molecular interface between health and disease
10.30-11.00	Managing uncertainty and non-traditional outcomes in drug approval and reimbursement				In-training clinical pharmacologists/toxicologists and hospital pharmacists: the SIF Contest		
11.00-11.30							
11.30-12.30	AUDITORIUM EPHAR Lecture: Lysosomal calcium signalling: from discovery to the clinic						
12.30-13.00	AUDITORIUM Conclusions and Awards						

SCIENTIFIC PROGRAMME

Continuing Medical Education (CME) Area

ROOM ROMA

25 November 2026

13.30 – 15.30

Pharmacological innovations for the management of metabolic disorders and their comorbidities

Chairpersons: **Marzia Friuli, Laura Rizzi**

13.30 Targeting the liver-brain axis in diabesity-associated Alzheimer's disease: hepatic NLRP3 as a pharmacological node
Claudio Pirozzi

13.45 Impact of ANGPTL3-targeted therapies on lipids and apolipoproteins: a meta-analysis of randomized controlled trials
Elena Olmastroni

14.00 Beyond the trip: the metabolic action of psilocybin in steatotic liver disease
Anna Signor

14.15 Competing risk of death and neurological outcomes in elderly diabetic patients treated with GLP-1 receptor agonists
Vera Battini

14.30 Effects of N-acylethanolamines on obesity-induced cardiometabolic alterations
Nicol Pia Navatti

14.45 Pharmacological modulation of the paracannabinoid system in diet-induced overweight: insights into early cardiac dysfunction
Alessia Campagna

15.00 Cholinergic stimulation promotes resilience and PD-L1 expression in human terminally differentiated β-cells: implications for novel Type 1 Diabetes strategies
Francesco Petragnano

15.15 Adolescent high-fat diet programs a lipotoxic and bioenergetically inefficient skeletal muscle phenotype: protective role of oleoylethanolamide
Christian Sepe

26 November 2026

08.30 – 10.00
From visceral to somatic pain: mechanisms, pathways, and therapeutic targets
Chairpersons: **Stefania Ceruti, Andrea Maria Morace**

08.30 μ-opioid receptor in NK cells as a potential biomarker for neuropathic pain: evidence from the CCI model and modulation by bergamot polyphenolic fraction
Lucia Carmela Passacatini

08.45 Decoding vulvodynia: from pelvic sensitivity to central pain processing
Michela Perrone

09.00 Exploring the dual role of *Mangifera indica* L. in alleviating abdominal visceral pain and inflammation
Anna Schettino

09.15 Dissecting the gut–vulva axis: translational insights from IBS-associated vulvodynia and evaluation of glucosinolates-based therapy
Elena Lucarini

09.30 From intestinal epithelium to visceral pain: molecular mechanisms involved in IBS
Sofia Faggin

09.45 Dissecting MOR-CB1 interactions in neuronal cell models: implications for opioid-cannabinoid co-treatment in chronic pain
Gaia Lusoli

10.00 – 11.30
Vulnerability to relapse: behavioral, circuit and molecular fingerprints
Chairpersons: **Roberto Ciccocioppo, Fabio Fumagalli**

10.00 Cocaine withdrawal during adolescence alters hippocampal neuro-glia interaction dynamics and excitatory–inhibitory synapses in response to an acute stress
Lucia Caffino

10.20 Impact of adolescent social exclusion on relapse susceptibility to alcohol seeking and stress-related behaviors in male and female rats
Esi Domi

10.40 Dorsal raphe projections to the central amygdala and nucleus accumbens drive methamphetamine relapse
Daniele Caprioli

11.00 Multidimensional addiction profiling in outbred rats: from individual differences to medication development
Paola Campo

11.30 – 12.30
Modelling and simulation as drivers of innovation in pharmacology
Chairpersons: **Carla Ghelardini, Gianluca Miglio**

11.30 From data to model
Oscar Della Pasqua
11.45 From mechanistic knowledge to translational impact: a systems biology and QSP perspective
Enrico Domenici
12.00 Regulatory impact of PK and PD modelling and simulation: expectations and practical cases
Serena Zamponi
12.15 Novel approaches to Hypoparathyroidism
Maria Luisa Brandi

14.30 – 16.00
Optimizing polypharmacy management in complex patients: key priorities, tools, and strategic approaches
Chairpersons: **Romano Danesi, Amelia Filippelli**

14.30 Medication reviews and pharmacogenetics: the critical role of data integration
Valeria Conti
14.45 Medication review in different care settings, constraints and potential benefits
Elisabetta Poluzzi
15.00 Artificial Intelligence in medication review and deprescribing services
Gianluca Trifirò
15.15 Clinical assessment of drug–drug interactions: insights from a national pilot study
Riccardo Giossi
15.30 AIFA's Position Paper on the implementation of precision medicine
Robert Nisticò

16.00 – 17.30
Chronic pain 2.0: emerging mechanisms and therapeutic strategies
Chairpersons: **Laura Micheli, Paola Sacerdote**

16.00 Emerging strategies for pain management in Fabry Disease, a rare genetic disorder
Silvia Franchi
16.15 Proteome-wide characterization of neuroinflammatory signatures in morphine-exposed spinal tissue: modulation by ultramicronized palmitoylethanolamide
Alessandra Toti
16.30 Effect of conditioned diet in a model of early life-induced widespread pain: potential role of HCAR2 receptors
Carmela Belardo
16.45 Neuroinflammatory mechanisms in opioid-related side effects
Laura Rullo
17.00 NanoBEO: transdermal nanotechnology for the management of pain and agitation in severe dementia
Damiana Scuteri

27 November 2026

08.30 – 09.30

Role of sex differences in the modulation of lipid-derived mediators across different pathological conditions

Chairpersons: **Vincenzo Brancaleone, Simona Pace**

08.30 Dysfunctional gut microbiota–endocannabinoid axis exacerbates skeletal muscle and brain deficits in Duchenne muscular dystrophy (DMD)
Noemi Di Muraglia

08.45 Sex-dependent modulation of audiogenic seizures by ketogenic diet in a GluN2A(N615S) model of GRIN-related encephalopathy
Alessandra Lodi

09.00 Sex-specific lipid mediator profile drives pulmonary fibrosis pathogenesis in mice
Danilo D'Avino

09.15 Sex-specific pharmacotherapy and vascular stiffness in hypertension
Marialuisa Sveva Marozzi

09.30 – 11.00

Psychedelics and more: innovative treatments for neurodevelopmental diseases and therapeutic challenges

Chairperson: **Riccardo Brambilla**

09.30 Sex dependent behavioral and brain molecular effects of psilocybin in mice exposed to early life stress
Laura Musazzi

09.50 Psilocybin in neurodevelopmental disorders: preclinical insights into mechanisms of action
Viviana Trezza

10.10 Cortico-striatal pathophysiology for neurodevelopmental disorders associated with 16p11.2 CNVs: implications for therapeutic targeting
Ilaria Maria Morella

10.30 SHANK3 related autism: from cell biology to new treatment opportunities
Zaira Tomasoni

11.00 – 12.30

From maternal well-being to offspring mental health: molecular determinants of intergenerational vulnerability

Chairpersons: **Miriam Melis, Marco Andrea Riva**

11.00 Functional and molecular insights linking maternal stress across pregnancy to offspring vulnerability
Alessia Marchesin

11.15 Fueling vulnerability: mitochondrial control of dopamine circuits after developmental cannabis exposure
Federico Brandalise

11.30 Preconception social stress: from placental adaptations to lifelong behavioral outcomes
Juliet Richetto

11.45 Postpartum alcohol exposure reorganizes the maternal brain network to disrupt caregiving behavior
Sebastiano Bariselli

12.00 Deciphering the role of IL-17A in ASD-like phenotypes: evidence from a maternal immune activation mouse model
Anna Maria Tartaglione

12.15 Sex-divergent effects of cannabidivarin treatment in rats prenatally exposed to VPA
Erica Zamberletti

14.30 – 15.40

Therapeutic advances in developmental and epileptic encephalopathies: present and future

Chairpersons: **Emilio Russo, Maurizio Taglialatela**

14.30 From genotype-phenotype correlations to emerging therapeutic strategies in SCN1A-related neurological disorders
Paola Imbrici

14.50 Gut Microbiota in Angelman Syndrome: toward biomarkers and novel therapeutic strategies
Carmen De Caro

15.10 Investigating sex differences in a validated model of GRIN2A-related DEE: psychopathological and therapeutic implications
Ilaria Bertocchi

15.20 Targeted therapies in KCNQ2-related developmental and epileptic encephalopathies
Francesco Miceli

28 November 2026

08.30 – 10.00

Environmental stress as a driver of neuro-immuno-metabolic disease: risk factors and vulnerability mechanisms

Chairpersons: **Adriano Lama, Davor Virag**

08.30 RACK1 modulation as a mechanistic platform for screening immunotoxic effects of endocrine disrupting chemicals
Mirco Masi

08.45 Environmental chemicals as drivers of neuronal vulnerability: glutamatergic receptor dynamics in critical developmental windows
Melania Maria Serafini

09.00 Nanoplastic co-exposure as an emerging environmental driver of metabolic dysfunction in liver and adipose tissue
Stefania Melini

09.15 Downregulation of Kv7 channels contributes to angiotensin-II induced modulation of neuronal activity in brain areas controlling sympathetic tone
Stefania Iervolino

09.30 Invisible invaders: subacute nanoplastic ingestion drives neuroinflammation via the gut-brain axis
Federico Ciceri

09.45 Early life stress alters hypothalamic-peripheral metabolic signaling linking psychiatric and metabolic vulnerability
Ilari D'Aprile

10.00 – 11.30

Biological therapies and molecular target drugs in chronic inflammatory autoimmune diseases: from basic and translational research to clinical evidence

Chairpersons: **Massimo Collino, Ciriana Orabona**

10.00 A new frontier in IL-17 antagonism: FM15TM, a first-in-class linear small peptide with translational potential in chronic inflammation and autoimmune diseases
Francesco Maione

10.20 Reframing IMIDs: the IL-23 pathway from mechanisms to pharmacological perspectives
Luca Antonioli

10.40 Novel imaging-based methods for validating immunopharmacology *in vivo*
Ishii Masaru

11.00 International recommendations for the management of rheumatoid arthritis and psoriatic arthritis with pharmacological therapies
Annamaria Iagnocco

SCIENTIFIC PROGRAMME

NON CME AREA

25 November 2026

AUDITORIUM

15.30 – 16.00 Opening Ceremony
Marcello Gemmato, Sottosegretario di Stato alla Salute, Ministero della Salute
Robert Nisticò, Presidente Agenzia Italiana del Farmaco
Paola Cassoni, Vicerettrice Università degli Studi di Torino

16.00 – 17.00 Plenary Lecture
From unmet clinical needs to better care: lessons from a career in oncology research
Introduced by **Armando Genazzani**
Speaker: **Lucia Del Mastro**

17.00 – 18.00 Plenary Round Table
Research opportunities and future perspectives in pharmacology
Chairpersons: **Giuseppe Cirino, Monica DiLuca**
Participants: **Roberto Di Lauro, Gaetano Guglielmi**

18.00 – 19.00 Plenary Round Table
Access to therapies and early access pathways in Italy
Chairperson: **Armando Genazzani**
Participants: **Massimo Di Maio, Andrea Marcellusi, Robert Nisticò, Annalisa Scopinaro**

ROOM MADRID

13.30 – 15.30
Synaptic and cellular communication in neurodegeneration
Chairpersons: **Roberta Facchinetti, Giulia Sita**

13.30 Co-ultramicronized palmitoylethanolamide/luteolin inhibits astrocyte-mediated oligodendrocyte dysfunction in an *in vitro* model of β-amyloid toxicity
Claudia Ciarla

13.45 Targeting lysosomal dysfunction via a GTD-released GCase modulators in GBA1 and Grn mouse models
Chiara Bertasini

14.00 Ca^{2+}-storing organelles as druggable targets in astrocyte-neuron communication during Alzheimer's disease progression
Silvia Piccirillo

14.15 Purple corn anthocyanins protect against the progression of multiple sclerosis and associated trigeminal pain reducing glial activation
Benedetta Riboldi

14.30 Investigating glymphatic dysfunction in persistent pain: AQP4 downregulation and CSF flow alteration in a mouse model of oxaliplatin-induced neuropathy
Clara Ciampi

14.45 Astroglial endoplasmic reticulum-mitochondria interaction as a possible target for Alzheimer's disease treatment
Giulia Dematteis

15.00 Deciphering the role of CAP2 in neuronal mitochondrial vulnerability in Alzheimer's disease
Ramona Stringhi

15.15 Cellular Prion Protein (PrPc) and TGFβ1-receptors antagonistically settle microglial activity in response to tau oligomers
Giorgia Serena Gullotta

ROOM DUBLINO

13.30 – 15.30
Phytotherapeutics and the central nervous system
Chairpersons: **Vittoria Borgonetti, Antonella Di Sotto**

13.30 Neurological adverse reactions associated with cannabis-derived products
Ilaria Ammendolia

13.45 Retinal protective effects of cannabidiol in an *in vivo* model of AMPA-induced excitotoxicity
Federica Conti

14.00 From pain to relief: plasma cannabinoid levels in patients using cannabis oil extracts
Alessandra Manca

14.15 Association of *Commiphora myrrha* extract and cannabidiol: combined stimulation of the opioid and cannabinoid system for the treatment of neuropathic pain
Samuele Trisolini

14.30 Neuroimmune modulation by chronic ellagic acid administration in EAE mice: bridging noradrenergic system and synaptic pruning
Veronica Torre

14.45 Ellagic acid-loaded nanovesicles rescue LTP impairment and neuroinflammation in an AD *ex-vivo* model
Nunzia Maisto

15.00 Genetic deletion of Kv7.5 channel impairs the blood-brain barrier, enhances seizure susceptibility, and abolishes the anticonvulsant effect of the rosemary-derived small molecule carnosic acid
Camilla Celentano

15.15 Early chronic low-dose psilocybin promotes visual cortex plasticity and functional recovery after occipital stroke
Sofia Nasini

ROOM BERLINO

13.30 – 15.30
Post-marketing surveillance and appropriate drug utilization
Chairpersons: **Maria Antonietta Barbieri, Salvatore Crisafulli**

13.30 Assigning Defined Daily Dose (DDD) to ophthalmological antibiotics (ATC S01AA): Why is it challenging? Why is it important?
Angela Boccia

13.45 Real-World Effectiveness and safety of DOACs vs VKAs according to anticoagulation quality in patients with atrial fibrillation and cancer: toward appropriate anticoagulant selection
Gianluca Gazzaniga

14.00 Therapeutic switching and prescribing appropriateness in pregnancy: a retrospective study from the PERSONA project
Giada Crescioli

14.15 Neuropsychiatric adverse events with Anti-IL17 approved for plaque psoriasis: an analysis from the Food and Drug Administration adverse event monitoring system
Giulia Russo

14.30 Assessing the safety of pediatric biologics using a multi-step signal detection approach: a VigiBase study
Nicoletta Luxi

14.45 Neuropsychiatric disorders during treatment for ADHD with atomoxetine and methylphenidate: a systematic review and meta-analysis of randomised controlled trials
Raffaella Di Napoli

15.00 Polypharmacy and potential drug misuse in patients with type 2 diabetes mellitus: a Swedish register-based drug utilization study
Antonietta Anatriello

15.15 Implementation and impact of pharmacogenetics, therapeutic drug monitoring and medication review on optimizing therapy effectiveness and mitigating adverse drug reactions in pediatric patients
Paolo Dalla Zuanna

ROOM LONDRA

13.30 – 15.30
Therapeutic drug monitoring as a measure of appropriateness in adult and pediatric populations
Chairpersons: **Bianca Maria Goffredo, Marianna Lucafò**

13.30 A new optimized *in-silico* deferasirox dose rationale for the treatment of iron overload in pediatric patients undergoing haematopoietic stem cell transplantation
Giammarco Baiardi

13.45 Optimal plasma cut-off value of active Anti-Thymocyte Globulin (ATG) to prevent aGVHD and the role of miRNA320 in pediatric HSCT recipients
Debora Curci

14.00 Saliva-based therapeutic drug monitoring of antiseizure medications: a non-invasive approach in Lennox-Gastaut Syndrome
Francesca Dattrino

14.15 Plasma cannabidiol concentrations in real-world clinical practice: impact of dose and concomitant antiseizure medications
Alessia Cafaro

14.30 Use of PK/PD modeling techniques for the optimization and personalization of antibiotic therapy in critically ill pediatric patients undergoing extracorporeal purification techniques
Raffaele Simeoli

14.45 Plasma concentration profile of ropivacaine in arterial blood following erector spinae plane block in thoracic and cardiac surgical procedures
Alice Palermiti

15.00 Optimizing vancomycin dosing in non-critically ill patients: PK/PD target attainment and development of a renal function–based dosing nomogram
Francesco Russiani

15.15 Integrated CYP3A4 and CYP3A5 genotyping enables precision tacrolimus dosing in kidney transplant recipients
Michelangelo Rottura

ROOM ISTANBUL

13.30 – 15.30

Precision medicine: oncology and beyond

Chairpersons: **Gloria Ravegnini, Rossana Roncato**

13.30 Peripheral biomarkers to support a personalized approach in severe mental disorders
Anna Meloni

13.45 Gut microbiota-driven modulation of thiopurine response: towards precision medicine in IBD
Martina Franzin

14.00 Revealing sex-specific treatment outcomes and molecular signatures in locally advanced rectal cancer patients treated with neoadjuvant chemoradiotherapy: implications for personalized therapy
Noemi Milan

14.15 Optimizing DPYD pharmacogenetics: from variant-specific dosing to haplotype-based risk stratification
Martina Gambron

14.30 UGT1A1*28 polymorphism does not predict neuropsychiatric drug toxicity in HIV-positive patients
Emanuela De Bellis

14.45 Optimizing precision medicine in FLT3-mutated acute myeloid leukemia: translational safety evaluation of FLT3 inhibitors through meta-analysis and real-world pharmacovigilance
Cecilia Cagnotta

15.00 Originator vs biosimilars: a systematic review and meta-analysis of randomized clinical trials
Consiglia Riccardi

15.15 Toward personalized imatinib therapy in GIST: sex differences and the clinical value of therapeutic drug monitoring in a real-world Italian cohort
Eleonora Cecchin

ROOM PARIGI

13.30 – 15.00

Tissue damage and the immune microenvironment: emerging immunoregulatory mechanisms and therapeutic perspectives

Chairpersons: **Massimo Collino, Benedetta Pieroni**

13.30 Targeting the H_2S–FPR2 axis: an emerging immunoregulatory mechanism in tissue damage and inflammation resolution
Ludovica Lela

13.45 Blueprint mapping reveals a therapeutic window for topical anti-IL-17A/F monoclonal antibodies targeting the psoriatic immune microenvironment
Anella Saviano

14.00 NR2F6: a novel immunoregulatory node linking tissue microenvironment and immune activation
Giorgia Manni

14.15 Gut-directed NLRP3 blockade limits systemic tissue damage and restores function in a model of aging-related decline
Giulia Valdiserra

14.30 Targeting αMβ2 integrin to reprogram immune cell function: from inflammation to tumor microenvironment remodelling
Andrea Maurizio

14.45 Long intergenic non-coding RNA-p21 in juvenile idiopathic arthritis: a novel mediator and biomarker of methotrexate response
Federico Riccardi

26 November 2026

POSTER SESSIONS

12.30 – 14.00 POSTER SESSION 1
17.30 – 19.00 POSTER SESSION 2

ROOM MADRID

08.30 – 09.30
De novo drug design, polypharmacy, repurposing, and AI-driven discovery in rare diseases
Chairpersons: **Giorgia Dinoi, Andrea Tarozzi**

08.30 Drug repurposing in pediatric rare diseases: a retrospective analysis of off-label prescriptions at the University Hospital of Catania
Giorgia Loreto

08.45 Integration of genome-wide association, bioinformatics, and machine learning studies for drug repurposing in Huntington's disease
Barbara Pagliarani

09.00 The p.L689F mutation of Nav1.4 sodium channel in myotonia permanens: a functional and pharmacological study
Paola Laghetti

09.15 Bridging *in silico* and *in vitro* approaches to identify Kv1.1 and Kv1.2 potassium channels modulators for associated neurological disorders
Alessandro Giovanni Cerchiara

09.30 – 12.30
Preclinical and clinical research in rare disorders
Chairpersons: **Enrico Costa, Annamaria De Luca**

09.30 Uncovering REST as a prognostic factor and therapeutic target in ALS
Luigi Formisano

10.00 Bridging preclinical research and clinical evidence for use of SGLT2 inhibitors in Lafora Disease
Antonella Liantonio

10.30 Adaptive clinical trial design and RWE: how to overcome evidence gap in rare disease research
Gianluca Trifirò

11.00 TK2d: optimizing patient pathways through early recognition, differential diagnosis and multidisciplinary management
Caterina Garone

11.30 Clinical research in rare primary immunodeficiencies: from study design to drug approval
Cinzia Milito

12.00 X-linked Adrenoleukodystrophy (X-ALD): pathophysiology and pharmacological aspects
Anna Ardissone

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14.30 – 15.30

How precision medicine is transforming rare diseases: the avapritinib story

Simone Baldovino, Armando Genazzani, Massimo Triggiani

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15.30-16.00

Disease understanding in complement-mediated disorders: translating biology into targeted Immunopharmacology

Chairperson: **Valentina Drago**

Speaker: **Carlo Riccardi**

16.00 – 17.30

Drug repurposing for neuropharmacology: translational paths from neurodevelopmental disorders to brain tumors

Chairpersons: **Emanuela Esposito, Gabriele Stocco**

16.00 Identification of a novel Kv7 opener for epilepsy treatment: challenges and opportunities
Maurizio Taglialatela

16.20 Crossing boundaries: a fly avatar platform for high-throughput cancer drug repurposing in ASD
Claudia Bagni

16.40 Drug repositioning strategy for Spinal Muscular Atrophy
Marina Boido

17.00 Key role of preclinical studies in repurposing strategies for complex rare disorders: lessons from neuromuscular diseases
Brigida Boccanegra

ROOM DUBLINO

08.30 – 10.00

Biotechnological drugs in modern pharmacology: emerging classes

Chairpersons: **Maria Antonietta Barbieri, Valerio Ciccone**

08.30 Emerging RNA therapeutics: miR-22 inhibition for the treatment of neuropathic pain
Francesco Margiotta

08.45 Drugging the "undruggable": rewiring cancer through transcription factors degraders
Sara Boumya

09.00 Modulation of the immune landscape of chronic rhinosinusitis with nasal polyps
Benedetta Romano

09.15 The potential of near-infrared photobiomodulation in assisted reproduction: effects on sperm motility and oocyte maturation
Matilde Balbi

09.30 Exploring gene editing tools for astrocyte-specific therapy in Alexander disease
Irene Capuano

09.45 Strategies to counteract olipudase alfa allergy
Federico Spataro

10.00 – 12.00

Novel advances in cardiovascular prevention and cardiovascular disorders**

Chairpersons: **Alma Martelli, Danilo Norata**

10.00 Decoupling haemostasis and thrombosis: FXIa inhibition, new frontier in secondary stroke prevention
Andrea Zini

10.30 New approaches for the treatment of dyslipidemia
Alberto Corsini

10.50 Targeting Lipoprotein(a): current and emerging therapeutic strategies for cardiovascular prevention
Francesca Zimetti

11.10 Immune dysregulation in cardiovascular disease - from novel mechanisms to therapeutic targeting
Pasquale Maffia

11.30 Recent advances in pulmonary hypertension
Lorenzo Da Dalt

SPONSORED SESSION

12.00 – 12.30

Obesity and the prevention of cardiovascular risk

Armando Genazzani, Pasquale Perrone Filardi, Matteo Scortichini

14.30 – 15.30

Prevention of infectious diseases

Chairpersons: **Giovanni Di Perri, Francesco Scaglione**

14.30 Pre-Exposure Prophylaxis (PrEP) in HIV
Giordano Madeddu

14.50 RSV vaccination
Fabrizio Bert

15.10 Vaccination in oncological patients
Valentina Bertaglia

15.30 – 17.10

Gene and cancer immunotherapy: unveiling molecular and cellular mechanism/s underlying immunotherapy

Chairpersons: **Vincenzo Brancaleone, Stefania Marzocco**

15.30 Reprogramming immune reactivity: the role of cell-specific metabolic genes in the tumor microenvironment
Francesca Fallarino

15.50 Multi-omic profiling of the tumor ecosystem to unveil molecular and cellular mechanisms underlying immunotherapy
Rosalinda Sorrentino

16.10 Insight into the relevance of cell-autonomous innate immunity in gene therapy
Carolina Petrillo

16.30 Harnessing immune mechanisms to address unmet clinical needs in nasopharyngeal carcinoma
Romano Danesi

16.50 Innate lymphoid cells: a new frontier in cancer immunotherapy
Giuseppe Ercolano

ROOM BERLINO

08.30 – 10.00

New approaches in endothelial and cardiac dysfunction

Chairpersons: **Lorenzo Da Dalt, Maria Antonietta Riemma**

08.30 Preclinical evaluation of novel molecules in endothelial dysfunction: profile of VEGF-mimetic peptides QK and HPLW-2
Arianna Filippelli

08.45 Pharmacological treatments in patients with transthyretin cardiac amyloidosis: a systematic review and meta-analysis
Eugenia Piragine

09.00 Doxorubicin-induced inflammatory injury: simvastatin as a potential cardioprotective agent
Roberta Vitale

09.15 eNOS hyper-persulfidation accounts for diabetes-associated vascular dysfunction
Martina Smimmo

09.30 Mechanistic insights into norbormide-induced cardiovascular toxicity in rats
Alessia Bichicchi

09.45 Stress granules as mediators of cardiac damage by dysfunctional HDL during acute coronary syndrome
Chiara Oliviero

10.00 – 12.00

Next-generation oncology: degraders, ADCs and radioligand therapies

Chairpersons: **Fabrizio Condorelli, Ambra Grolla, Cristina Travelli**

10.00 Degraders: beyond the conventional inhibition-based strategies
Ambra Grolla

10.20 Radioligand therapies: emerging frontiers in precision oncology
Laura Lavinia Travaini

10.40 The revolution of ADCs
Armando Genazzani

11.00 The use of network meta-analyses for indirect treatment comparisons: the example of multiple myeloma
Carlotta Galeone

11.30 Next-generation antibody–drug conjugates: design, mechanisms and emerging perspectives
Romano Danesi

SPONSORED SESSION** sanofi

12.00 – 12.30

The disease beneath the disease: smoldering multiple sclerosis, its silent progression, and the evolving therapeutic approaches
Marinella Clerico

14.30 – 16.00

Cardiovascular applications of drugs used in the treatment of diabetes and obesity**

Chairpersons: **Alma Martelli, Lucia Morbidelli**

14.30 Vascular effects of GLP-1 and other incretin mimetics
Elena Osto

14.50 Exploiting the cardiovascular properties of "classical" antidiabetics: from "old" metformin to new metformin-based chemical entities
Vincenzo Calderone

15.10 Evidence for the benefits of combining dapagliflozin with sacubitril/valsartan in cardiometabolic and age-related cardiac dysfunction
Antonella De Angelis

15.30 cAMP/CREB/CSE axis accounts for the beneficial effect of dapagliflozin in cardiometabolic HFpEF
Valentina Vellecco

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16.00 – 17.30

The evolving landscape of obesity pharmacology

Chairpersons: **Silvana Gaetani, Valentina Vellecco**

16.00 The evolution of obesity pharmacology beyond incretins
Thomas Lutz

16.20 Amylin and oleoylethanolamide at the interface of satiation and satiety: a multi-target strategy for obesity pharmacotherapy
Adele Romano

16.40 Incretins at the interface of prandial lipid metabolism and inflammation
Andrea Baragetti

17.00 Beyond weight loss: dual GLP-1/glucagon agonists as disease-modifying therapy in MASLD
Matteo Monami

ROOM LONDRA

08.30 – 09.30

CGRP (Calcitonin Gene-Related Peptide): migraine and beyond

Chairpersons: **Cristina Benatti, Luigi Francesco Iannone**

08.30 Study of effect of rimegepant in a murine model of endometriosis and migraine comorbidity
Chiara Sturaro

08.45 How anti-CGRP strategies reshape the overall migraine experience in Real-World Responders
Antonio Munafò

09.00 Age- and sex-dependent differences in sumatriptan responsiveness in a CGRP-induced mouse model of migraine-like photophobia
Veronica Rivi

09.15 Baseline Leeds Dependence Questionnaire scores are not associated with medication overuse persistence under anti-CGRP therapy in chronic migraine with medication-overuse headache
Andrea Burgalassi

09.30 – 11.00 ROUND TABLE

Drug discovery and drug development: the role of technology transfer

Chairpersons: **Pier Luigi Canonico, Giulio Pompilio**

Participants: **Filippo Caraci, Monica DiLuca, Beatrice Riva, Marco Sala, Laura Spinardi, Giuseppe Toffoli**

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11.00 –12.30

Tackling antimicrobial resistance

Chairpersons: **Elisabetta Bigagli, Federico Pea**

11.00 Tackling antimicrobial resistance with new BL/BLI in treating Gram-negative infections
Milo Gatti

11.20 Tackling antimicrobial resistance with new long-acting antibiotics in treating Gram-positive infections
Dario Cattaneo

11.40 Antimicrobial resistance in pediatric infections: epidemiological scenarios and implications for antimicrobial stewardship
Stefania Nobili

12.00 New insights into pediatric infectious diseases: antibiotics, artificial intelligence and one-health approach
Silvia Garazzino

12.30-13.30

Institutional review board network

Jacopo Angelini, Francesco Rossi

12.30 Introduction and overview of the document
Francesco Rossi, Jacopo Angelini:

12.40 **E**AP Focus: the AIFA perspective
Sandra Petraglia

12.50 EAP Focus: the clinicians' perspective
Romano Danesi

13.00 **E**AP Focus: the ethics committees' perspective
Annalisa Capuano

13.10 Discussion and Q&A

14.30-16.00

Novel perspectives in eating disorders

Chairpersons: **Paola Fadda, Maria Vittoria Micioni Di Bonaventura**

14.30 Unraveling neurodevelopmental dysregulation in anorexia nervosa: insights from multi-omics
Claudio D'Addario

14.50 Targeting epigenetic pathways in compulsive eating: entinostat produces lasting suppression of binge episodes in a rodent model
Giacomo Einaudi

15.10 The neurobiology of anorexia nervosa: connectivity patterns, neurochemical gradients, and their clinical correlates
Enrico Collantoni

15.30 Beyond the brain: peripheral epigenetic regulation of muscle dysfunction in binge eating disorders and therapeutic opportunities
Elena Conte

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16.00-17.30 ROUND TABLE

The Integration of RWD and RWE into regulatory and early access processes in Italy

Chairpersons: **Valentina Drago, Gianluca Trifirò**

Participants: **Mariangela Amoroso, Salvatore Crisafulli, Nello Martini, Francesca Patarnello, Sandra Petraglia, Patrizia Popoli**

ROOM ISTANBUL

08.30 – 10.00

Pulmonary disorders: emerging targets and technologies

Chairpersons: **Ida Cerqua, Giuseppe Spaziano**

08.30 Time course disease monitoring with computed tomography imaging: enhancing translational research from bench to bedside
Elena Mantovani

08.45 When smoke meets nanoplastics: a new driver of airway inflammation and COPD progression
Davida Mirra

09.00 Targeting CD105: inhaled siRNA therapy for pulmonary fibrosis
Erika Esposito

09.15 An innovative label-free approach for investigating epithelial-mesenchymal transition: pharmacological characterization of TGF-β1 effects in A549 cells
Francine Medjiofack Djeujo

09.30 From environment to epithelium: biological and clinical effects of indoor and outdoor pollution in Campania's schoolchildren
Martina Simonelli

09.45 Effect of a newly approved treatment for cystic fibrosis on cardiovascular-related serum lipoprotein functions
Marcella Palumbo

10.00 – 12.00

Precision medicine in respiratory diseases: novel biomarkers and patient stratification

Chairpersons: **Luca Gallelli, Antonietta Rossi**

10.00 Biomarkers and artificial intelligence in precision medicine: new frontiers in asthma, COPD and ILD
Mario Salvatore Clerici

10.20 Sex-specific epigenetic mechanisms in respiratory diseases: from biomarkers to therapeutic opportunities
Fiorentina Roviezzo

10.40 Severe asthma and Type 2 inflammation: current biologics and emerging therapeutic targets
Vincenzo Patella

11.00 Pulmonary fibrosis and Raynaud's Phenomenon: early diagnosis and novel antifibrotic strategies
Barbara Ruaro

11.20 New mechanisms of action in pulmonary fibrosis: from disease biology to therapeutic innovation
Martina Bonifazi

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14.30-16.00

Early diagnosis and disease-modifying strategies in Alzheimer's disease: which evidence?

Chairpersons: **Marco Bozzali, Filippo Caraci**

14.30 Evolution of Alzheimer's disease biomarkers
Cristina Lanni

14.50 Targeting amyloid in Alzheimer's disease: pharmacological profile of monoclonal antibodies
Elena Marcello

15.10 The role of biomarkers in the diagnostic pathway for Alzheimer's disease
Alberto Benussi

15.30 Passive immunotherapy in Alzheimer's disease: novel clinical evidence
Federica Agosta

16.00 – 17.30

The social brain: from neural circuits in mice to human therapeutic insights

Chairpersons: **Gian Marco Leggio, Francesco Papaleo**

16.00 Cortico-cortical transfer of socially derived information gates emotion recognition
Anna Maria Borruto

16.20 Reciprocal cortico-amygdala connections regulate prosocial and selfish choices
Diego Scheggia

16.40 Ketamine modulates emotion recognition by reversing age dependent Arc-driven deficits
Sebastiano Alfio Torrisi

17.00 Bridging the scale from genes to systems-level readouts using transcriptomics
Giulio Pergola

ROOM PARIGI

08.30 – 10.30

Convergent modulation of neuroinflammation and immunity through shared molecular pathways in CNS pathologies

Chairpersons: **Majeda Muluhie, Irene Paterniti**

08.30 Targeting the P2X7 receptor in α-synuclein–associated neuroinflammation and immunity: focus on Parkinson and Alzheimer diseases
Alessia Filippone

08.45 What does the ACE2 overexpression reveal? Mapping the neuroimmune landscape in the humanized transgenic CAG-hACE2 mice
Carlotta Siddi

09.00 BACE1 inhibition as a novel pharmacological strategy to counteract neuroinflammation in sepsis-associated encephalopathy
Gustavo Ferreira Alves

09.15 Targeting the EZH2/H3K27me3 axis rescues CDK5/p53 signaling, mitochondrial dysfunction, and neuroinflammation in an *in vitro* model of Alzheimer's disease
Sarah Adriana Scuderi

09.30 CIC-39 as a novel store-operated Ca^{2+} entry negative modulator: a non-immunosuppressive strategy for the treatment of multiple sclerosis
Luigi Azzarone

09.45 Novel PUFA-Lipoic Acid Conjugates as dual-action neuroprotective agents: targeting oxidative stress and neuroinflammation in Alzheimer's disease cell models
Agnese Graziosi

10.00 Pharmacological blockade of IL-1β signaling with anakinra rescues behavioral and synaptic deficits in an α-synuclein model of Parkinson's disease
Federica Servillo

10.15 Leukemia-driven neuroinflammation: linking systemic disease to CNS alterations in AML and CLL
Vjola Tusha

10.30-11.30
Drug combinations as the modern paradigm: opportunities and challenges
Annalisa Capuano, Dario Lidonnici, Patrizia Popoli

11.30-12.30
Artificial Intelligence: the way Forward to a safe healthcare environment
Introduction: **Antonio Addis**
Participants: **Giulio Pompilio, Massimo Riccaboni, Maria Paola Trotta**

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14.30 – 16.00
Intestinal inflammation and tissue remodeling: from mechanisms to anti-fibrotic strategies
Chairpersons: **Matteo Fornai, Barbara Romano**

14.30 Diet-driven intestinal fibrosis: lipids and B-cells as key regulators of tissue remodeling
Stefania Vetrano

14.50 Rethinking intestinal fibrosis: the role of the endocannabinoidome system in tissue remodeling
Maria Francesca Nanì

15.10 New anti-fibrotic agents based on biological products
Stefania Bruno

15.30 PPAR agonists in cholestatic liver diseases
Laura Cristoferi

16.00 – 17.30

The senescence–inflammation Axis

Chairpersons: **Fabiana Morroni, Antonio Speciale**

16.00 Neuroinflammation in Huntington's disease: therapeutic potential of senolytic drugs
Andrea Tarozzi

16.15 Targeting the senescence–inflammation axis in acute myeloid leukemia: nutraceutical and pharmacological potential of cucurbitacin D from *Elaeocarpus hainanensis*
Domenico Delfino

16.30 Bioactive agents targeting the senescence-inflammation axis: focus on adipose tissue
Francesco Cimino

16.45 The senescence–inflammation axis in Alzheimer's disease: microglia–oligodendrocyte interactions and therapeutic perspective
Chiara Chemello

17.00 The carnosine journey: unveiling its translational and therapeutic potential as anti-inflammatory and neuroprotective agent in Alzheimer's disease
Giuseppe Caruso

27 November 2026

AUDITORIUM

16.30 – 17.30
Case studies of industrial research and development
Chairperson: **Armando Genazzani**
Speakers: **Luca Bardoscia, Mathias Luz, Klaus Schlueter**

17.30 – 18.00
Beyond words: when emotions become movement
Chairperson: **Annamaria Cattaneo**

18.00 – 20.00
SIF General Assembly
Monica DiLuca, Armando Genazzani

POSTER SESSION

13.00 – 14.30 POSTER SESSION 3

ROOM MADRID

08.30 – 09.30
At the crossroads of eating disorders and addictive behaviors: converging mechanisms towards translational perspective
Chairpersons: **Carlo Cifani, Barbara Fülop, Francesca Mottarlini**

08.30 Eating disorders and addiction: converging neurocognitive and metabolic mechanisms
Laura Di Lodovico

08.45 Deciphering the molecular signature of compulsive exercise as a translational phenotype in anorexia nervosa
Francesca Mottarlini

09.00 Oxytocin receptor distribution in olfactory–limbic circuits relevant for reward and motivational salience in a mouse model of anorexia nervosa
Barbara Eramo

09.15 Antagonism of the dopamine D4 receptor (D4R) blocks compulsive highly palatable food intake in a female rat model of binge eating
Luca Botticelli

09.30 – 11.30

Bispecific antibodies: from the laboratory to the clinic

Chairpersons: **Giorgio Minotti, Giuseppe Toffoli**

09.30 Bispecific (& multispecific) antibodies for cancer therapy: rational development and target selection
Mariangela Figini

09.50 Key features defining the disposition of bispecific antibodies and their efficacy *in vivo*
Antonello Di Paolo

10.10 Bispecific antibodies in hematologic tumors:

10.10 Lymphomas **Umberto Vitolo**

10.30 Myeloma **Michele Cavo**

10.50 Bispecific antibodies in solid tumors
Maria Chiara Banzi

11.10 Bispecific antibodies for cancer therapy: regulatory requirements and health technology assessment
Giuseppe Toffoli

11.30 – 12.30

CAR-T: precision mechanisms and therapeutic innovation

Introduction: **Armando Genazzani**

11.30 CAR-T in onco-hematology: precision mechanisms and therapeutic innovation
Federica Sorà

12.00 CAR-T beyond oncology: opportunities and sustainability
Armando Genazzani

14.30 – 16.00

Dyshomeostasis of non-neuronal cells as a novel and early pharmacological target in neurodegenerative disorders

Chairpersons: **Mariagrazia Grilli, Maria Angela Sortino**

14.30 Microglial protection in early neurodegeneration: impact of external insults
Sara Merlo

14.50 Glia-Neural Stem Cell Interactions in neurodegeneration and stress
Emanuela Pessolano

15.10 Astrocyte-driven oligodendrocyte dysfunction in Alzheimer's disease: molecular pathways of damage and rescue
Caterina Scuderi

15.30 Neuroglia in Amyotrophic Lateral Sclerosis (ALS): translating glial biology into therapeutic strategies
Fabiola De Marchi

15.50 Skeletal muscle as a non-neuronal driver of Amyotrophic Lateral Sclerosis (ALS): from calcium dyshomeostasis to pharmacological intervention
Serenella Anzilotti

Scientific Secretariat
SOCIETÀ ITALIANA DI FARMACOLOGIA
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3PSOLUTION

ROOM DUBLINO

08.30 – 10.00

Natural compounds and barrier functions: new evidence between gastroprotection, metabolism, and aging

Chairpersons: **Maria Francesca Nanì, Lara Testai**

08.30 New preclinical insights into the gastroprotective role of *Castanea sativa* Mill. and *Cistus x incanus* L. combination
Stefano Piazza

08.45 Multifunctional biological activities of *Angelica sinensis* extract in human skin cell models
Veronica Cocetta

09.00 Citrus pomace-derived phytocomplexes preserve intestinal barrier integrity and modulate gut microbial metabolism under inflammatory conditions
Mariarosaria Ingegneri

09.15 Synergistic anticancer and gastroprotective effects of *Ulva pertusa* in 5-fluorouracil regimens
Alessio Ardizzone

09.30 Bioactivity of *Allium ursinum* leaf extracts: a phytochemical and functional study
Mariachiara Gabriele

09.45 Protocatechuic acid counteracts hypoxia-induced adipocyte senescence and metabolic dysfunction in murine 3T3-L1 Adipocytes
Maria Sofia Molonia

10.00 – 11.30

The next generation of clinical pharmacology and hospital pharmacy: contributions from specialty trainees

Chairpersons: **Paola Crosasso, Alma Martelli, Gianluca Trifirò**

10.00 Development of innovative pharmacogenomic biomarkers for the personalization of therapy with thiopurines in early onset inflammatory bowel disease patients
Giulia Zudeh

10.15 Biosimilar switching in rheumatologic and dermatologic patients: a semi-automatic multidisciplinary approach to ensure appropriateness and sustainability
Alessandra Angarano

10.30 Post-marketing safety of GLP-1 Analogs: a disproportionality analysis of semaglutide and liraglutide in diabetes and weight management using eudravigilance
Victoria Nikitina

10.45 Antibiotic prescribing practices and consumption in a secondary healthcare structure in Bissau: toward context-adapted AMS strategies
Marilisa Giustina Stano

11.00 Pharmacogenetic-guided dosing approach for warfarin therapy: a pharmacoeconomic evaluation of randomized clinical trials
Salvatore Zarrella

11.15 Neurophysiological signatures of alcohol and cocaine craving: preliminary results from the ReBECCA study
Elia Amalfi

11.30 – 12.30 ROUND TABLE

Medicines in the environment: monitoring, treatments and intervention strategies

Chairpersons: **Giovanna Paolone, Raffaella Sorrentino**

Participants: **Ornella Abollino, Nicola Frison, Vitalia Murgia, Maria Teresa Palumbo**

SPONSORED SESSION MERCK

14.30-15.00

Rare tumors: management of unmet medical needs

Chairperson: **Pier Luigi Canonico**

Participants: **Romano Danesi, Armando Genazzani, Giovanni Grignani**

15.30-16.30

Unlocking Transient Receptor Potential (TRP) channels

Chairperson: **Cristina Travelli**

15.30 How TRP channels shape cancer progression: TRPV3 as gatekeeper of invasiveness
Ester Pagano

15.50 An unexpected and druggable TRPA1 signaling in Schwann cells driving chronic pain
Livio Luongo

16.10 Not just brainy, but also brawny: a TR(i)P into latest discoveries
Fabio Arturo Iannotti

ROOM BERLINO

08.30 – 10.00

Drug targeting of cancer cells

Chairpersons: **Stefania Nobili, Federica Papaccio**

08.30 Hypoxia-driven metabolic reprogramming promotes therapy resistance in AML
Lorenzo Manfreda

08.45 TRPV3 loss rewires intestinal epithelial homeostasis toward stemness and a pro-tumorigenic state
Maria Miraglia

09.00 Targeting the Wnt/β-catenin pathway in adrenocortical carcinoma cell lines
Andrea Abate

09.15 Proteomic signatures of acquired doxorubicin resistance in breast cancer: focus on 2D and 3D models and extracellular vesicles
Alessandra Cusimano

09.30 *In vivo* chemical reactions to target and detect tumor hypoxia
Marta Serafini

09.45 Role of miR-223 in NLRP3 inflammasome modulation in oral squamous cell carcinoma orthotopic model
Laura Cucinotta

10.30 – 11.30

Emerging strategies in cardiovascular prevention**

Chairperson: **Vincenzo Calderone**

10.30 New therapeutic strategies in the management of hypertension
Cristina Giannattasio

11.00 The quest to cover unmet needs in uncontrolled hypertensive patients
Gianfranco Parati

11.30-12.30 SIF-EGUALIA Symposium

From generic and biosimilar medicines to essential medicines: new scientific and industrial challenges to ensure access to healthcare in Europe

Chairpersons: **Annalisa Capuano, Michele Uda**

11.30 Introduction
Annalisa Capuano

11.35 New European challenges for generic, biosimilar and essential medicines: from research to industrial resilience
Adrian van den Hoven

11.55 The Italian off-patent medicines ecosystem: scientific innovation, manufacturing, and access to healthcare
Michele Uda

12.15 Final discussion with the audience on the main emerging scientific issues and future challenges related to access to medicines, pharmaceutical research, and industrial sustainability

14.30 – 16.00 SIF-FARMINDUSTRIA Symposium

Clinical pharmacology and the competitiveness of the Italian system: between global pressures and national regulatory choices

Chairperson: **Paolo Siviero**

14.30 The global pharmaceutical context: new pressures on national systems
Fulvio Berardo

14.45 Pre- and post-commercialization evidence generation: leveraging an unexploited synergy for regulatory decisions
Gianluca Trifirò

15.00 Clinical trials and Italy's competitiveness: strengthening the upstream position through process review and incentive mechanisms
Mariangela Amoroso, Maria Sofia Rosati

15.15 Revising the therapeutic armamentarium: can pre- and post-marketing evidence synergy offer a viable alternative?
Andrea Marcellusi

15.30 Round table — pre- and post-marketing evidence synergy as a driver of regulatory and clinical decision-making: a shared strategy between academia and industry
Mario Mangrella, Patrizia Popoli, Anna Maria Porrini, Giuseppe Toffoli

16.00 – 16.30
Assembly of the SIF Clinical Pharmacology Section
Annalisa Capuano

ROOM LONDRA

08.30 – 10.00
Novel and 3R-compliant platforms for early translational research in rare diseases
Chairpersons: **Elisabetta Bigagli, Ramona Meanti**

08.30 Apoptosis and motor deficits in SPG76 hereditary spastic paraplegia: Calpain 2 inhibition as therapeutic strategy
Giulia Guarato

08.45 Brain organoids to identify therapeutic targets for neurodevelopmental disorders induced by thyroid deficiency as for the rare Allan-Herndon-Dudley Syndrome (AHDS)
Francesca Ciarpella

09.00 Development of a functional human neuronal model for the study of ataxia-telangiectasia
Giulia Lecchi

09.15 Integrative modelling of degenerative and metabolic disorders in *Drosophila melanogaster*: pathogenic mechanisms and experimental therapeutic approaches
Simona Del Quondam

09.30 ATM-knockout human neural progenitors as a sophisticated cellular platform for investigating ataxia-telangiectasia pathophysiology and for drug repurposing strategy
Giulia Boni

09.45 Towards a 3R-compliant integrated approach: innovative preclinical platforms for rare neuromuscular diseases and channelopathies
Lisamaura Tulimiero

10.00 – 11.30 ROUND TABLE
Transitional care in rare diseases: regulatory and therapeutic pathways for orphan drugs and advanced therapies
Chairpersons: **Annamaria De Luca, Armando Genazzani**
Participants: **Anna Ambrosini, Maria Adelaide Bottaro, Pier Luigi Canonico, Verena Caetano Da Silveira, Luisa De Sanctis, Andrea Marcellusi, Patrizia Popoli, Giovanna Scroccaro**

11.30-12.00
Givinostat in Duchenne muscular dystrophy: an Italian story of scientific innovation, translational research and patient partnership **
Paolo Bettica

SPONSORED SESSION

12.00-12.30

Beyond individual syndromes: how should the regulatory approach to DEEs evolve

Emilio Russo

14.30 – 15.30 ROUND TABLE

Safety and regulatory framework for medicinal plants and nutraceuticals

Chairpersons: **Francesca Borrelli, Antonella Di Sotto, Annabella Vitalone**

Participants: **Alessandro Assisi, Marco Biagi, Gioacchino Calapai, Silvia Di Giacomo**

15.30 – 16.30

Assembly of the SIF Early Career Pharmacologists Group

Maria Antonietta Riemma

ROOM ISTANBUL

08.30 – 09.30

The metastatic partnership: vascular, stromal and immune interaction in the journey of circulating tumor cells

Chairpersons: **Michela Campolo, Valerio Ciccone**

08.30 The ascitic compartment in ovarian cancer: circulating tumor cells and tumor–microenvironment crosstalk
Francesca Gorini

08.45 Hydrogen sulfide–driven reprogramming of the glioblastoma microenvironment: cancer-associated fibroblast (CAF) activation, sphingosine-1-phosphate (S1P) axis and stemness
Giovanna Casili

09.00 Circulating tumor cell cluster dynamics in triple-negative breast cancer
Federica Carolina Balestrero

09.15 Beyond angiogenesis: pro-inflammatory activated pericytes in breast cancer progression
Marianna Moro

9.30 – 11.00

Pharmacogenetics in personalized medicine

Chairpersons: **Rossana Roncato, Alessio Squassina**

9.30 Targeting metabolism in oncology
Armando Genazzani

9.50 Pharmacogenetics in the Italian National Health System: a roadmap to clinical implementation
Erika Cecchin

10.10 Pharmacogenetics and therapeutic drug monitoring: integrating tools for personalized therapy
Jessica Cusato

10.30 Implementing clinical pharmacogenomics in Europe: challenges and future perspectives
Jesse Swen

11.00 – 12.30

The role of pharmacology in clinical precision oncology

Chairpersons: **Antonio D'Avolio, Enrico Mini**

11.00 Bioinformatic (AI) models-based approaches in the development and clinical application of anticancer drugs
Stefano Fogli

11.20 Therapeutic drug monitoring as a tool to enhance efficacy and reduce toxicity in cancer therapy
Lucia Lisi

11.40 Clinical relevance of drug - drug interactions in cancer patients
Emanuel Raschi

12.00 New phenotypes of cardiotoxicity induced by cancer therapies
Giorgio Minotti

14.30 – 16.00

Teaching 2.0: innovative methodological approaches

Chairpersons: **Carla Ghelardini, Anna Maria Pittaluga**

14.30 Innovating university courses through a blended learning model—integrating Massive Open Online Courses (MOOCs) and Open Educational Resources (OER)
Maria Renza Guelfi

14.45 Team-Based Learning (TBL) and pharmacology: a possible combination?
Antonella Lotti

15.00 Pharmacy Services: Educational and practical simulation of professional activities
Marco Milanese

15.15 Assembly of the SIF CNFU Section
Carla Ghelardini

ROOM PARIGI

08.30 – 10.00

Deconstructing neurodevelopmental disorders: from neurobiological mechanisms to clinical trials

Chairpersons: **Maria Italia, Michele Santoni**

08.30 Altered post-trauma neural activity in the basolateral amygdala is associated with susceptibility to PTSD
Giulia Chiacchierini

08.45 IAMA-6 successfully completed phase-1 trial, progressing clinical development in neurodevelopmental disorders
Annalisa Savardi

09.00 Convergent Negr1 upregulation drives core behaviors and identifies an autism biomarker
Mariam Marie Chellali

09.15 Cardiac interoception and insular cortex: a pathway to understanding social deficits in autism
Alessandra Panzeri

09.30 Unraveling the differential impact of prenatal THC and CBD exposure on neurodevelopmental trajectories: long-term molecular and behavioral outcomes
Serena Di Martino

09.45 Prenatal microglial depletion alters neurodevelopmental trajectories following Early Immune Activation in mice
Naomi Ciano Albanese

11.00 – 12.30

Marine Pharmacology: a sea of opportunities

Chairpersons: **Mario Dell'Agli, Giustino Orlando, Lara Testai**

11.00 Pharmacological research inside blue economy: from results to perspectives
Paola Nieri

11.20 Evaluation of the anti-inflammatory and anti-hyperalgesic properties of *Posidonia oceanica* (L.) Delile in preclinical pain models
Laura Micheli

11.40 Marine bioactive against cancer from *Zostera marina*
Paola De Cicco

12.00 From marine natural products to cancer therapy
Lorenzo D'Ambrosio

12.30 – 13.30

Molecular Tumor Board Network

Chairpersons: **Cristiano Chiamulera, Paola Fadda**

Introduction: **Romano Danesi**

Round table and discussion

Erika Cecchin, Giammarco Baiardi, Domenico Vittorio Delfino

13.30-14.30

Phase I Clinical Trial Network

Romano Danesi, Giovanni Gori, Sandra Petraglia, Sandra Sigala, Maurizio Taglialatela

14.30 – 16.00

Sex-aware pharmacological research: from scientific evidence to experimental practice

Chairpersons: **Ilaria Campesi, Luigia Trabace**

14.30 Rethinking sex in pharmacology: from bias to sex contextualism
Ilaria Campesi

14.50 From concept to practice: implementing sex-aware pharmacology in experimental research
Maria Grazia Cattaneo

15.10 From data to evidence: statistical strategies to detect sex differences in pharmacological research
Giovanni Sotgiu

15.30 Are the 3Rs and the need for gender balance in animal studies conflicting?
Giuliano Grignaschi

16.00 – 16.30

Assembly of the SIF Education Section

Giuseppe Cirino

28 November 2026

AUDITORIUM

11.30 – 12.30
EPHAR Lecture: Lysosomal calcium signalling: from discovery to the clinic
Introduced by **Armando Genazzani, Maria J. Sanz**
Speaker: **Antony Galione**

12.30 – 13.00
Conclusions and awards
Monica DiLuca, Armando Genazzani

ROOM MADRID

08.30-10.00
Advances in alternative research methods
Chairpersons: **Elisabetta Caiazzo, Elena Lucarini**

08.30 A novel UHPLC-MS/MS method for the plasmatic quantification of cabotegravir from MITRA - Volumetric Absorptive Microsampling (VAMS) devices
Sara Soloperto

08.45 Modeling chemotherapy-induced peripheral neuropathy in human dorsal root ganglia organoids
Maria Giovanna Cataldi

09.00 hiPSC-Derived DRG organoids model differential vulnerability to sorbitol-induced neurotoxicity and neuroprotection by MAP4K inhibitors in diabetic neuropathy
Daniel Venturi

09.15 Modelling hypertension-associated neuroinflammation using a human millifluidic system
Benedetta Mercuriali

09.30 Development of 3D models of leiomyosarcoma for the evaluation of doxorubicin–peposertib combination therapy
Antonella Simone

09.45 Methylphenidate modulates alpha-synuclein/Synapsin III co-pathology in iPSC-derived striatal organoids from multiple system atrophy patients
Gaia Faustini

10.00-11.00
Managing uncertainty and non-traditional outcomes in drug approval and reimbursement
Armando Genazzani, Pier Paolo Olimpieri, Francesco Perrone, Entela Xoxi

ROOM DUBLINO

08.30 – 09.30

Frailty in complex comorbidities

Chairpersons: **Arianna Pani, Maria Antonietta Riemma**

08.30 Frailty in accelerated aging: sex- and time-dependent responses to a multi-drug treatment in SAMP8 mice
Martina Monaco

08.45 Delphi expert consensus to develop recommendations for medication adherence interventions in older adults with multimorbidity and polypharmacy
Stefano Scotti

09.00 Pharmacological and clinical impact of medication review on older people in general practice: a systematic review and meta-analysis of experimental studies
Irene Cristini

09.15 Polypharmacy in chronic heart failure: the impact of medication review and the role of the multidisciplinary team
Miriam Traficante

09.30 – 10.30

Intestinal microbiota in extra-digestive disorders

Chairpersons: **Clelia Di Salvo, Carla Petrella**

09.30 Bridging gut dysbiosis and pain: modulatory effect of N-palmitoyl D-glucosamine
Federica Ricciardi

09.45 Microbiota-mediated crosstalk between the gut and the vascular system: functional insights for cardiovascular protection of probiotic-derived formulations
Lorenzo Flori

10.00 Long lasting sex-dependent influence of antibiotic-induced dysbiosis and *Lacticaseibacillus rhamnosus* GG (ATCC 53103) on gastrointestinal motility and behavior
Annalisa Bosi

10.15 OEA-producing Lactobacillus paracasei F19 improves metabolic and behavioral disorders by restoring intestinal permeability and microbiota-gut-brain axis in high-fat diet-induced obese mice
Irene Palenca

ROOM BERLINO

08.30 – 10.00

Joint SIF–SIICA Symposium: targeting immunometabolism – Young investigators rewiring immune function

Chairpersons: **Marco Gargaro, Giorgia Manni**

08.30 Non-enzymatic function of IDO1 as immunometabolic driver in the tumor microenvironment: therapeutic implications
Sofia Rossini

08.45 Targeting IDO1 to rewire cDC1 metabolism and restore anti-tumor immunity
Giada Mondanelli

09.00 CD71-dependent iron metabolism in RORγt^{+} Tregs shapes intestinal homeostasis and tumor immunity
Alessandra Pinzon Grimaldos

09.15 Effects of genetic lysosomal acid lipase deficiency on immune cell function: focus on dendritic cells
Carola Garavaglia

09.30 Caloric restriction as a metabolic-immunological strategy to improve clinical and cellular outcomes in relapsing-remitting multiple sclerosis
Alessandra Colamatteo

09.45 A siRNA-based approach to target Oncostatin M in bone marrow macrophages as an anti-inflammatory and pro-regenerative therapy for diabetic vascular disease
Carlotta Boscaro

10.00 – 11.30

Inflammation and response to pharmacological treatment in psychiatric disorders

Chairpersons: **Annamaria Cattaneo, Edoardo Spina**

10.00 Targeting Inflammation to improve symptoms in non-responder patients: the importance of immune stratification
Annamaria Cattaneo

10.20 Machine learning for capturing inflammation-related heterogeneity in mood disorders
Benedetta Vai

10.40 Impact of inflammation on antidepressant pharmacokinetics: navigating literature evidence, areas of uncertainty, and perspectives from plasma concentration data
Giuseppe Cicala

11.00 Molecular bridges among lifestyles, depressive symptoms and cardiometabolic traits
Alessandro Gialluisi

ROOM LONDRA

08.30 – 10.00

Targeting cellular and structural components of the tumor microenvironment

Chairpersons: **Raffaella Belvedere, Monica Notarbartolo di Villarosa**

08.30 From tumor to microenvironment: impact of 5-azacytidine adjuvant drug targeting Annexin A1 on oral squamous cell carcinoma progression
Nunzia Novizio

08.45 Decoding hypoxia-adapted regulatory T cells in cholangiocarcinoma through spatial proteomics
Luigi Cari

09.00 Overcoming therapy resistance in a rare cancer: targeting the tumor microenvironment in adrenocortical carcinoma
Mariangela Tamburello

09.15 Antitumor activity of *Moringa oleifera* extract in multiple myeloma cell and in bone marrow microenvironment model
Ilaria Saltarella

09.30 Targeting ERO1α triggers tumor immunosurveillance in triple-negative breast cancer
Alessandro Cherubini

09.45 Loss of AIM2 limits tumor growth in a mouse model of lung adenocarcinoma resistant to immunotherapy
Chiara Colarusso

10.00 – 11.30 ROUND TABLE

Clinical pharmacology and the National Health System

Chairpersons: **Erika Cecchin, Concita Rafaniello**

Participants: **Valeria Conti, Salvatore Crisafulli, Marzia Del Re, Antonello Di Paolo, Liberata Sportiello, Gabriele Stocco**

ROOM ISTANBUL

08.30 – 09.30

Real-world evidence of biologic drugs in immune mediated inflammatory diseases

Chairpersons: **Irma Convertino, Andrea Spini**

08.30 Real-world effectiveness, treatment persistence, and safety of biologic therapies in inflammatory bowel diseases: a prospective pharmacovigilance study
Maria Antonietta Barbieri

08.45 Biologics in psoriasis and psoriatic arthritis: a one-year real-world study from Calabria
Lorenza Guarnieri

09.00 Evaluating the representativeness of pivotal trials for biologics in pediatric immune-mediated inflammatory diseases: a population-based study using the Italian VALORE distributed database network
Chiara Bellitto

09.15 Output from the Veneto Region Working Group on high-cost drugs for immune-mediated inflammatory diseases: harmonizing prescribing appropriateness and cost-containment regional governance
Giacomo Vitturi

09.30 – 10.30

Stress across the lifespan: mechanistic insights

Chairpersons: **Natasha Irrera, Giulia Federica Mancini, Luísa Teixeira Santos**

09.30 Targeting hypothalamic histaminergic neurons to modulate stress resilience: pharmacological and chemogenetic approaches
Alessia Costa

09.45 Early-life stress: from later psychopathologies to pharmacological interventions
Giulia Federica Mancini

10.00 Abnormal trajectory of dopaminergic neurodevelopment and stress-related behaviors following perinatal paracetamol exposure
Valeria Serra

10.15 Early life stress and long term negative behavioral outcomes dissecting the role of the gut microbiome in clinical and preclinical studies
Floriana De Cillis

10.30-11.30

In-training clinical pharmacologists/toxicologists and hospital pharmacists: the SIF Contest

Paolo Abrate, Alma Martelli, Nicoletta Luxi, Gianluca Trifirò

ROOM PARIGI

08.30 – 10.00

Substance use disorders in adolescence and adulthood: neurobiological adaptations, behavioral outcomes, and their clinical relevance

Chairpersons: **Nicholas Pintori, Laura Rullo**

08.30 A procedure to identify persistent and effort-independent individual differences in preference for heroin over rewarding social interaction
Soami Filippo Zenoni

08.45 Stress-related neuroadaptations following adolescent exposure to the synthetic cannabinoid 5F-MDMB-PICA
Francesca Caria

09.00 Cebranopadol: a novel dual NOP/MOP receptor agonist to treat fentanyl use disorder and fentanyl induced respiratory depression in a rat model of addiction
Manthoula Olga Kyratzi

09.15 Prolonged nicotine exposure, via electronic cigarettes, selectively enhances the transcription of Bdnf/TrkB and elevates dynorphin peptide and OLIG2 levels in the rat VTA
Camilla Morosini

09.30 Prenatal THC exposure alters kynurenine pathway and stress responsivity in the ventral tegmental area
Edoardo Tiziani

09.45 Investigating the ability of LSD to revert fentanyl-induced maladaptive neuroplastic changes
Fabio Ruto

10.00 – 11.30

Post-transcriptional regulation: the molecular interface between health and disease

Chairpersons: **Nicoletta Galeotti, Alessia Pascale**

10.00 Translational control as a therapeutic target
Denise Sighel

10.20 MicroRNAs and ocular diseases
Chiara Bianca Maria Platania

10.40 Modulation via drug therapy of HuR in multiple sclerosis
Nicoletta Marchesi

11.00 A possible role for the RNA-binding protein HuD in Amyotrophic Lateral Sclerosis
Alessandro Rosa

11.15 Post-transcriptional mechanisms in cellular aging
Sofia Quadrino

*** These sessions are restricted to physicians and pharmacists only*

POSTER SESSION I

26 November 2026

Discussion with the Presenting Author: **12:30** - **14:00**

Cancer Pharmacology

Chairpersons: **Luigi Cari, Cristiana Travelli**

PI-2 Overcoming glioblastoma resistance by targeting its mesenchymal-like reprogramming with concomitant electromagnetic stimulation and metformin treatment
Florio Tullio, Cianci Francesca, Kerx Dietmar, Katsir Kerem Wainer, Barbieri Federica, Corsaro Alessandro, Tremonti Beatrice, Braten Ori, Tzchori Itai, Mazzanti Michele

PI-3 GABAergic signaling enhances the antitumor efficacy of metronomic chemotherapy in colorectal cancer
Guido Bocci, **Tang Donghao**

PI-4 The rare bile acid isoallolithocholic acid (IALCA) is an EphA2 antagonist sparing FXR and TGR5 receptors
Sala Stefano, Blesio Andrea, Giorgio Carmine, Ferrari Francesca Romana, Flammini Lisa, Zanotti Ilaria, Lodola Alessio, Tognolini Massimiliano

PI-5 Homotypic targeting and boron delivery in human glioblastoma stem cells via cancer cell membrane-based nanovesicles
Tremonti Beatrice F., Pattarozzi Alessandra, Bajetto Adriana, Ailuno Giorgia, Baldassari Sara, Donghia Daniela, Corsaro Alessandro, Thellung Stefano, Caviglioli Gabriele, Florio Tullio, **Barbieri Federica**

PI-6 Ultrasound-Mediated Reversal of Cisplatin Resistance in Ovarian Cancer Cells via Oxidative Stress Modulation
Di Pellegrini Nicolò, Foglietta Federica, Inaudi Paolo, Nikjooy Niusha, Durando Gianni, Giacomino Agnese, Serpe Loredana, Canaparo Roberto

PI-7 Synergistic Potential of PRC2 Inhibitors and Metronomic Chemotherapy in Diffuse Large B-Cell Lymphoma
Banchi Marta, Latarani Maryam, Orchard Kayleigh, Bryant George, Orlandi Paola, Crea Francesco, Bocci Guido

PI-8 Innovative approaches to hypoxia targeting: synergizing prodrugs and combination therapies
Di Addario Margherita, Boumya Sara, Boero Chiara, Trusolino Livio, Genazzani Armando, Serafini Marta

PI-9 MicroRNA profiling in sinonasal intestinal-type adenocarcinoma: translational insights from non-invasive biomarkers to pharmacological therapeutic targets
Repice Federica, Bigagli Elisabetta, D'ambrosio Mario, Gori Marta, Boutabaa Tajeddine, Maggiore Giandomenico, Luceri Cristina

PI-10 Development of a PBPK tumor model in MoBi to describe and predict the tumoral distribution of nanomedicines
Tonon Ester, Dubois Catherine, Hamzi Anais, **Miglio Gianluca**, Gattacceca Florence

PI-11 Dissecting DNA Repair network dependencies to uncoveR synthetic lethality in leiomyosarcoma
Ravegnini Gloria, Gorini FRancesca, Simone Antonella, Roberti MArinella, Angelini Sabrina, Cavalli Andrea

PI-12 Label-free bioimpedance analysis of EGF effects in A549 cells: receptor knockout and antagonist studies
Francine Medjiofack Djeujo, Pietro Ferri, Alessandro Penzo, Stefano1 Negri, Davide Malfacini, Giovanni Marzaro, Adriana Chilin, Girolamo Calo

PI-13 Pharmacological characterization of the novel COX-2 inhibitor VA1213 through the inhibition of EGFR-dependent survival pathways
Ciccone Valerio, Cecchin Claudia, Migdalek Monika, Cappelli Andrea, Anzini Maurizio, Donnini Sandra, Morbidelli Lucia

PI-14 Glioblastoma modulation of endothelial properties at the blood-brain barrier: group II metabotropic glutamate receptors involvement
Capitani Lara, Massiccio Marta, Mastrolia Barbara, Spampinato Simona Federica

PI-15 Modulating oncogenic miR-21: effects of novel synthetic compounds in SH-SY5Y neuroblastoma cells
Sita Giulia, Graziosi Agnese, Ghelli Luca, Iacenda Lisa, Bagnolini Greta, Roberti Marinella, Sdei Federico, Bolognesi Maria Laura, Fabiana Morroni, Hrelia Patrizia

PI-16 Paper as a sustainable alternative substrate for cell culture and pharmacological applications
Persico Gennaro, Iula Gabriella, Kalligosfyri Panagiota, Miglione Antonella, Di Porzio Anna, Bucci Mariarosaria, Cinti Stefano

PI-17 Identification of key gene polymorphisms in the development of oxaliplatin-related neurotoxicity in colorectal cancer patients treated with standard adjuvant chemotherapy
Nobili Stefania, Napoli Cristina, Landini Ida, Meoni Giulia, Lavacchi Daniele, Giugliano Elena Giulia, Ribecco Angela Stefania, Antonuzzo Lorenzo, Giandomenico Roviello, Mini Enrico

PI-18 Profiling extracellular vesicles derived from glioblastoma patients: prognostic and therapeutic implications
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PI-19 Assessment of Vitamin D metabolite 25(OH)D3 in serum and plasma stability following heat inactivation
Soloperto Sara, Carugati Daniele, Giugliano Claudia, Gilardi Lorenza, Martina Elisa, D'Avolio Antonio, Cantù Marco

PI-20 Translating oritavancin PK/PD targets into therapeutic drug monitoring strategies for clinical practice
Baiardi Giammarco, Pontali Emanuele, Feasi Marcello, Sartini Marina, Salis Annalisa, Damonte Gianluca, Mattioli Francesca

PI-21 Saliva volumetric absorptive microsampling for perampanel therapeutic drug monitoring: a clinical validation study
Tacchella Federica, Dattrino Francesca, Palmisani Michela, Fattore Cinzia, Tartara Elena, De Giorgis Valentina, Quaranta Carlo Alberto, Pasca Ludovica, Rota Paola, Russo Emilio, Romigi Andrea, Johannessen Landmark Cecilie, Fedele Guido, Tassorelli Cristina, Nicotera Pierluigi, Franco Valentina

PI-22 Off-label drug use in hematology: a ten-year experience of monitoring
Loreto Giorgia, Palumbo Fanny Erika, Romano Giovanni Luca, Lombardo Giovanni Enrico, Bucolo Claudio, Gozzo Cecilia, Lazzara Antonio, Di Raimondo Francesco, Drago Filippo, Vetro Calogero, Gozzo Lucia

PI-23 Predicting clinical response to adalimumab in juvenile idiopathic arthritis with a TDM-based multidimensional model integrating disease activity and pharmacokinetics
Simeoli Raffaele, Tarantino Giusyda, Di Deo Alessandro, Rossi Chiara, Cairoli Sara, Mancini Alessandro, Magni-Manzoni Silvia, Dionisi Vici Carlo, Della Pasqua Oscar, De Benedetti Fabrizio, Goffredo Bianca Maria

PI-24 Comparative trough levels of paliperidone palmitate 3-month and 6-month formulations in schizophrenia insights from routine clinical practice
Manca Alessandra, Cusato Jessica, Brasso Claudio, Giordano Benedetta, Elena Camera, Cocuzza Elena, Billi Martina, Bianco Gianluca, De Nicolò Amedeo, Montemagni Cristiana, Rocca Paola, Vischia Flavio, D'Avolio Antonio

PI-25 Development and validation of a HILIC-MS/MS method for Fosfomycin quantification in human plasma
Palermiti Alice, Martino Camilla, Antonucci Miriam, Manca Alessandra, Cusato Jessica, De Nicolò Amedeo, D'Avolio Antonio

PI-26 UHPLC-MS/MS method for the quantification of a HDV drug, bulevirtide in human plasma
Palermiti Alice, Cusato Jessica, Marinaro Letizia, Antonucci Miriam, Anolli Maria Paola, Degasperi Elisabetta, Lampertico Pietro, D'Avolio Antonio, De Nicolò Amedeo

PI-27 "Standard" Is More Than Enough: Therapeutic Drug Monitoring Confirms Early Target Attainment of Teicoplanin Regimens in Pediatric Patients
Cafaro Alessia, Mariani Marcello, Orsi Silvia Maria, Baiardi Giammarco, Barco Sebastiano, Pigliasco Federica, Ricci Erica, Saffioti Carolina, Bandettini Roberto, Mesini Alessio, Mattioli Francesca, Moscatelli Andrea, Castagnola Elio, Cangemi Giuliana

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Chairpersons**: Michela Campolo, Elena Lucarini**

PI-28 Dysregulation of galectines in osteoporotic patients
Russo Marina, Conza Gianluca, Lepre Caterina Claudia, Martin Gabriele, Itro Annalisa, Braile Adriano, Grossi Gerardo, Tangredi Nicoletta, D'Amico Michele, Hermenean Anca, Trotta Maria Consiglia, Toro Giuseppe

PI-29 CR10049, the first intra-articular preferential Src family kinase inhibitor as a long-acting symptom- and disease-modifying compound for the inflammatory OA phenotype
Giancotti Luigino Antonio, Piepoli Tiziana, Artusi Roberto, Ghirri Matteo, Visintin Michela, Caselli Gianfranco, Rovati Lucio

PI-31 Intravitreal dexamethasone implant in retinal vein occlusion: an exploration of ocular and circulating biomarkers
Lepre Caterina Claudia, Gesualdo Carlo, Rossi Settimio, D'Agostino Fabiana Anna, Casaburi Rosalba, Trotta Maria Consiglia, Russo Marina, D'Amico Michele, Simonelli Francesca

PI-32 Extracellular NAPRT contributes to inflammation and organ damage in experimental sepsis
Sosic Zlata, Ferreira Alves Gustavo, Collino Massimo, Genazzani Armando

PI-33 A botanical blend of parthenolide, palmitoylethanolamide and C-Phycocyanin mitigates microglial activation and preserves blood brain barrier integrity in vitro.
Camillò Leonardo, Capitani Lara, Marzani Enrica, Ferreira ALves Gustavo, Bastianello Angelica, Collino Massimo, Spampinato Simona Federica

PI-34 Dual serotoninergic ligand exerts protective effect in an in vitro model of blood retinal barrier breakdown
Platania Chiara Bianca Maria, Lazzara Francesca, Conti Federica, Sotera Ludovica, Failla Sharon, Bucolo Claudio

PI-35 N-oleoylethanolamide supplementation may preserve blood-brain barrier properties after a metabolic insult: an in vitro model
Spampinato Simona Federica, Capitani Lara, Camillò Leonardo, Marzani Enrica, Vigliermo Stefania, Santoro Antonio, Bordano Valentina, Benetti Elisa

PI-36 Exploring intracellular NAPRT druggability through multiple drug discovery approaches and screenings
Halevici Ionela Petronela, Boero Chiara, Sosic Zlata, Muntoni Elisabetta, Marengo Mauro, Orsomando Giuseppe, Serafini Marta, Genazzani Armando

PI-37 Adenosine signaling as a modulator of UVB-induced inflammation and melanogenic processes
Plaitano Paola, Giraulo Caterina, De Palma Giacomo, Esposito Roberta, Cicala Carla, Morello Silvana

PI-38 In vitro characterization of novel reversible and irreversible JAK3 inhibitors
Ferro Alice, Paraschiv Andrei, Martina Katia, Boscaro Valentina, Gallicchio Margherita

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PI-40 Characterization of immune alterations in a mouse model of Wolfram Syndrome
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PI-41 Modulating Store-Operated Ca^{2+} entry with CiC-39: a targeted non-immunosuppressive therapy for Systemic Lupus Erythematosus
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PI-42 Population pharmacokinetics model and Limited Sampling Strategy of Mycophenolic Acid in adult heart transplant patients
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PI-43 Sex-specific impact of a pubertal immune challenge on adult NLRP3 inflammasome signalling in the mouse hippocampus
Daini Eleonora, Ciani Miriam, Rigillo Giovanna, Rivi Veronica, Lovino Marta, Pani Luca, Blom Johanna Maria Catharina, Brunello Nicoletta, Benatti Cristina, Tascedda Fabio

PI-44 Anti-inflammatory potential of new diphtalides derived from Kelussia odoratissima Mozaff: effects in macrophages and in intestinal epithelial cells
Rispoli Rosaria Margherita, Autore Giuseppina, Khademian Azadeh, Moridi Farimani Mahdi, Alilou Mostafa, Marzocco Stefania

PI-45 Oral sodium butyrate supplementation acts on intestinal dysbiosis and resolves spinal cord neuroinflammation and nociceptive neuron sensitization
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PI-46 Effects of Sucrosomial Iron administration on Fe homeostasis and intestinal microbiota during postnatal development in mice
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PI-47 Impact of the epithelial maturation state on the response of an in vitro intestinal barrier model to polystyrene nanoplastics
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PI-48 Protective role of TAS2R38 and TAS2R46 on an in vitro intestinal inflammatory model
Camillo Lara, Balestrero Federica Carolina, Meggiolan Aurora, Talmon Maria, Travelli Cristina, Fresu Luigia Grazia

PI-49 Purinergic Dysregulation in inflammatory bowel diseases: Dual P2X4R/P2X7R Blockade in Experimental Colitis
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PI-50 Modulating Extraoral Bitter Taste Receptors to Control Intestinal Inflammation
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PI-53 Antinociceptive and neuromodulatory effects of the scorpion venom tetrapeptide tetrascorpin-1 in a long-lasting pain hypersensitivity model in mice
Pagano Salvatore, Limongelli Rebecca, Manzo Iolanda, Bonsale Roozbe, Teweldemedhin Milena Melake, Fusco Antimo, Guida Francesca, Morace Andrea Maria, Perrone Michela, Ricciardi Federica, Maione Sabatino, Palazzo Enza, Luongo Livio

PI-54 Sex-dependent effects of 2-pentadecyl-2-oxazoline in a mouse model of fentanyl-induced hyperalgesia
Marcolin Emma, Scarin Natasha, Bardi Lucrezia, Zusso Morena

PI-55 Neuropeptide modulation in endometriosis: effects of CGRP and NPS on human 12z endometriotic epithelial cells
Argentieri Michela, Sturaro Chiara, Frezza Alessia, Pola Pietro, Medjiofack Djeujo Francine, Pizzolitto Alice, Simon Katharina, Calò Girolamo, Ruzza Chiara

PI-56 Combining Acmella oleracea and Boswellia serrata extracts: a novel pharmacological approach in inflammatory vestibulodynia
Cristofaro Beatrice, Fusco Antimo, Ricciardi federica, perrone michela, morace andrea maria, bonsale roozbe, teweldemendhin milena melake, maione sabatino, papa alfonso, limongelli rebecca, guida francesca, luongo livio

PI-57 Morphine pharmacodynamic profile on pain and gastrointestinal transit in mice: basis for future combination studies with N-acylethanolamine derivatives
Scarin Natasha, Marcolin Emma, Giron Maria Cecilia, Zusso Morena

PI-58 Modulating pain with N-acetylcysteine (NAC): preclinical studies and preliminary data on NAC-based formulations
Marchesi Nicoletta, Campagnoli Lucrezia Irene Maria, Cravero Alessandra, Allegri Massimo, Govoni Stefano, Vertemara Jacopo, Raffaeli William, Pascale Alessia

PI-59 Chronic LSD microdosing reduces nicotine-induced behavioral and dopaminergic alterations in mice
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PI-60 Unveiling neuronal circuits and mechanisms of LSD in reducing alcohol consumption.
Esquivel Ivana, Soliman Isabella, Monticelli Adele, Ruto Fabio, Valtorta Flavia, De Gregorio Danilo

PI-61 Sodium oxybate attenuates alcohol and cocaine co-administration in a concurrent access model of polydrug use in alcohol preferring msP rats
Tronconi Davide, Rossi Eleonora, Di Giuseppe Marco, Soverichia Laura, Ubaldi Massimo, Domi Esi, Ciccocioppo Roberto

PI-62 miR-137–Mediated AMPAR Dysregulation Drives Ethanol-Induced Synaptic Dysfunction in Prenatal Alcohol Exposure
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PI-63 MDMA treatment affects alcohol drinking behavior and modulates dynorphin and nociceptin system gene expression in alcohol-preferring rats
Paolo Mangione, Laura Rullo, Loredana M. Losapio, Camilla Morosini, Hela Mrizak1, Nazzareno Cannella, Massimo Ubaldi, Roberto Ciccocioppo, Sanzio Candeletti, Patrizia Romualdi

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PI-65 Glucagon-like peptide-1 agonist: a promising treatment for opioid use disorder in wistar rats
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PI-66 Effects of CBGA in a mouse model of Traumatic Brain Injury
Limongelli Rebecca, Pagano Salvatore, D'Agostino Erika, Bonsale Roozbe, Luongo Livio, Maione Sabatino, Guida Francesca

PI-67 Oxytocin induces two distinct transduction pathways in striatal astrocytes
Gnecco Matilde, Farsetti Elisa, Pedrazzi Marco, Averna Monica, Cervetto Chiara

PI-68 Myrcene as a potential natural treatment in mild Traumatic Brain Injury (mTBI)
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PI-70 Venlafaxine Restores Stress-Induced PNN Remodeling in the Dorsal Hippocampus
Brivio Paola, Palumbo Arianna, Gallo Maria Teresa, Veronesi Filippo Umberto Tancredi, Cortiinovis Giorgia, Gruca Piotr, Lason Magdalena, Litwa Ewa, Biala Dominika, Fumagalli Fabio, Papp Mariusz, Calabrese Francesca

PI-71 Sex matters in timing: early fluoxetine alters sensitive periods driving adult behavior
Gallo Maria Teresa, Virenque Anais, Golinelli Alessia, Fumagalli Fabio, Castren Eero, Brivio Paola, Calabrese Francesca

PI-72 NEGR1 cell adhesion molecule expression is reduced in the 3xTg mouse Alzheimer's disease model and in induced pluripotent stem cells
Rubino Martina, Ghelli Luca, Graziosi Agnese, Sita Giulia, Morroni Fabiana, Rimondini Roberto, Carboni Lucia

PI-73 Resilience to chronic mild stress shapes sex-specific metabolic responses to a second hit**Veronesi Filippo Umberto Tancredi**, Brivio Paola, Palumbo Arianna, Gallo Maria Teresa, Gruca Piotr, Lason Magdalena, Litwa Ewa, Biala Dominka, Fumagalli Fabio, Pappa Mariusz, Calabrese Francesca

PI-74 Maternal Immune Activation Affects Mesocorticolimbic Circuit Functionality in Anesthetized and Awake Mice
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PI-75 Neurocovid: an innovative ex-vivo model for studying SARS-CoV-2-induced neuroinflammation
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Dal Molin Sara, Schiuma Marco, Torre Alessandro, Dinegro Sofia, Mariani Ilaria, Mosini Giulia, Battini Vera, Carnovale Carla, Clementi Emilio, Radice Sonia, Cheli Stefania

P I-122 Deprescribing patterns and timing in a hospice care setting: a real-world observational study
Dinegro Sofia, Angeli Elena, Dal Molin Sara, Mariani Ilaria, Mosini Giulia, Carnovale Carla, Battini Vera, Radice Sonia, Clementi Emilio, Cheli Stefania

P I-123 Hypothyroidism by valproic acid: case report and insights from FDA Adverse Event Reporting System (FAERS)
Mariani Ilaria, Masnada Silvia, Dinegro Sofia, Dal Molin Sara, Mosini Giulia, Cheli Stefania, Battini Vera, Carnovale Carla, Clementi Emilio, Radice Sonia

P I-124 Impact of clinical pharmacist consultation on polypharmacy optimization in geriatric hospitalized patients
Singh Pardeep, Franceschin Asia, Franchi Luigi, Annessi Giulia, Lacerenza Gianna, Bassi Elena Lucia, Carla Maria, Formoso Giulio

Charpersons: **Salvatore Crisafulli, Alessandro Giovanni Cerchiara**

P I-125 Real-world utilization of anticoagulants and non-steroidal anti-inflammatory drugs (NSAIDs) in pregnancy: insights into prescriptive patterns and clinical outcomes from the PERSONA project
Crescioli Giada, **Cacini Costanza**, Bettiol Alessandra, Bellini Tatiana, Sabatini Giulia, Vannacci Alfredo

P I-126 Safety profile of off-label anti-myotonic drugs in pediatric patients: a real-world analysis from the EudraVigilance Database
Saltarella Ilaria, Laghetti Paola, Barbaro Simona, Dell'Atti Simone, Desaphy Jean-François, **Altamura Concetta**

P I-127 Health Communication in the Social Media Era: Insights from the COSIsiFA Project
Crescioli Giada, **Cacini Costanza**, Bellini Tatiana, Sabatini Giulia, Barni Chiara, Pini Margherita, Sabato Tommaso, Canonico Anastasia, Fedi Alessia, Goti Eva, Moretti Ugo, Tuccori Marco, Vannacci Alfredo

P I-128 Adherence and Persistence to Sacubitril/Valsartan a Retrospective Observational Study on a Cohort in Valle d'Aosta Region
Sacchi Beatrice, Tataranno Matteo, Agostino Enza, Giordano Lorenza, Bidese Elisa, Russo Ilaria, Amadio Michele, Alberghini Lucia, Cena Clara, Genazzani Armando, Miglio Gianluca

P I-129 Persistence to Adjuvant Endocrine Therapy in Valle d'Aosta Region a Retrospective Cohort Study Based on Individual-Level Dispensing Data
Sacchi Beatrice, Carmini Marika, Agostino Enza, Bidese Elisa, Giordano Lorenza, Russo Ilaria, Fadda Andrea, Luboz Iacopo, Alberghini Lucia, Cena Clara, Genazzani Armando, Miglio Gianluca

P I-130 Patterns of Use of Cyclin-Dependent Kinase 4/6 Inhibitors in Valle d'Aosta Region a Retrospective Cohort Study
Sacchi Beatrice, Rothen David Paul, Agostino Enza, Bidese Elisa, Giordano Lorenza, Russo Ilaria, Fadda Andrea, Amadio Michele, Alberghini Lucia, Cena Clara, Genazzani Armando, Miglio Gianluca

P I-131 Drug safety in paediatric Onco-Haematology: an observational Pharmacovigilance Study in two Sicilian Hospitals
Vitale Daniela Cristina, Longo Laura, Signorelli Umberto, Ruscica Rosy, Tardibuono Vincenza Adriana, Scorciapino Melania, Torrisi Concetta, Loreto Giorgia, Garofalo Nunzia, Spoto Salvatore, Russo Giovanna, Affronti Sceila, D'Angelo Paolo, Lazzara Antonio, Cosentino Andrea, Drago Filippo

P I 132 Active pharmacovigilance in paediatric oncology improving ADR reporting and seriousness assessment
Longo Laura, Tardibuono Vincenza Adriana, Ruscica Rosy, Signorelli Umberto, Scorciapino Melania, Cosentino Andrea, Torrisi Concetta, Loreto Giorgia, Garofalo Nunzia, Lazzara Antonio, Vitale Daniela Cristina

P I-133 CHMP Divergent Positions as Early Signals: Impact on P&R Outcomes and reimbursement Timing in Italy
Casilli Giorgio, Sacchi Beatrice, Maiocchi Federica, Venditti Giada, Miglio Gianluca, Genazzani Armando

Rare Diseases and Orphan Drugs and Neurodegenerative Diseases
chairpersons: **Giulia Guarato, Paola Imbrici**

P I-134 H2S supplementation drives a slow oxidative muscle phenotype restoring mitochondrial and muscle function in mdx mice, a murine model of Duchenne muscular dystrophy
Casale Veronica, Smimmo M., Carillo AM., Paris D., Bucci M., Vellecco V.

P I-136 Challenging rare diseases: in silico and drug repurposing approaches in Ataxia Telangiectasia

Failla Sharon, Conti Federica, Platania Chiara Bianca Maria, Bucolo Claudio

P I-137 Development of a fluidic system simulating Wolfram syndrome for drug therapy screening
Tomei D'Orazio Martina, Tognoloni Alessia, Suvieri Chiara, Rossini Sofia, Ambrosino Sara

P I-138 In vitro evidence for an effective combined use of fluoxetine + cannabidiol in epileptic patients carrying gain-of-function variants in KCNT1 channels
Ioia Dania, Mosca Ilaria, Trivisano Marina, Ambrosino Paolo, Puzo Deborah, Maglieri Katia, Taglialatela Maurizio, Soldovieri Maria Virginia

P I-139 Pharmacological efficacy of riluzole used as personalize treatment in a patient carrying a loss-of-function variant in KCNC1 channels
Mosca Ilaria, Nobile Giulia, Diana Martino, Nobili Lino, Ambrosino Paolo, Zara Federico, Taglialatela Maurizio, Soldovieri Maria Virginia

P I-140 Targeting the ClC-5 Cl^-/H^+ antiporter in rare diseases: an integrated strategy combining in silico drug repurposing and electrophysiological validation to identify pharmacological modulators
Buono Antonio Vittorio, Trisciuzzi Daniela, Pusch Michael, Conte Elena, Dinoi Giorgia, De Luca Annamaria, Imbrici Paola, Nicolotti Orazio, Liantonio Antonella

P I-141 The Role of β-Amyloid and Cellular Prion Protein in PDE5 Inhibitor-Induced Glutamatergic Synaptic Plasticity
Corsaro Alessandro, Thellung Stefano, Barbieri Federica, Baldelli Pietro, Ricciarelli Roberta, Florio Tullio

P I-142 Dimethyl fumarate repurposing against alpha-synuclein-induced toxicity in mice
Salvadè Michela, Mancini Maria, Zianni Elisa, Romito Elena, Italia Maria, DiLuca Monica, Pisani Antonio, Gardoni Fabrizio

P I-143 Sex differences in astrocyte autophagy in the SOD1G93A ALS mouse model
Rosso Francesca, Magdalena Rocío, Torazza Carola, Bacchetti Francesca, Penzo Chiara, Bartolucci Martina, Petretto Andrea, Bonanno Giambattista, Poletti Angelo, Milanese Marco, Cristofani Riccardo, Bonifacino Tiziana

P I-144 Targeting NSC Metabolism to Promote Neurogenesis in Alzheimer's Disease
Terenzi Valentina, Cerqueni Giorgia, Preziuso Alessandra, Serfilippi Tiziano, Piccirillo Silvia, Magi Simona, Lariccia Vincenzo, Secondo Agnese

Neurodegenerative Diseases
Chaipersons: **Claudia Ciarla, Merlo Sara**

P I-145 Protective effects of novel P2X7R antagonists on Müller cells
Sotera Ludovica, Platania Chiara Bianca Maria, Conti Federica, Lazzara Francesca, Bucolo Claudio

P I-146 Palmitoylethanolamide prevents L-DOPA-induced dyskinesia in a mouse model of Parkinson's disease
D'Andrea Alessia, Melini Stefania, Comella Federica, Navatti Nicole Pia, De Caro Carmen, Mali Rosaria, Mattace Raso Giuseppina, Pirozzi Claudio

P I-147 Nrf2-activator conjugated linoleic acid shows protective effects against oxidative stress in the SOD1-G93A murine model of amyotrophic lateral sclerosis
Claudione Letizia, Boccanegra Brigida, Mantuano Paola, Bacchetti Francesca, Milanese Marco, Bergamo Paolo, De Luca Annamaria, Pierno Sabata

P I-148 Exploring dual inhibition of Carbonic Anhydrases and Phosphodiesterase-5 as a potential therapeutic strategy for the treatment of Alzheimer's disease
Titi Costanza, Costa Alessia, Leri Manuela, Bucciantini Monica, Ferraroni Marta, Passani Maria Beatrice, Angeli Andrea, Supuran Claudiu T, Provensi Gustavo

P I-149 Effects of mGluR5 negative allosteric modulation on human-derived astrocytes and motorneurons from ALS patients
Bonifacino Tiziana, Tessitore Sara, Torazza Carola, Kumar Mandeep, Bacchetti Francesca, Ravera Silvia, Musante Ilaria, Scudieri Paolo, Angeli Elena, Frizzi Benedetta, Van Den Bosch Ludo, Ferraiuolo Laura, Shaw Pamela J, Bonanno Giambattista, Milanese Marco

P I-150 MicroRNA dysregulation in Alzheimer's disease and mild cognitive impairment across multiple biological matrices
Graziosi Agnese, Ghelli Luca, Sita Giulia, Hrelia Patrizia, **Morroni Fabiana**

P I-151 Targeting store-operated CA2+ entry with CIC-39: a novel non-immunosuppressive therapeutic approach for multiple sclerosis
Gallo Emanuele, Muschitiello Carlotta, Abreu Hugo, Raineri Davide, Chiocchetti Annalisa, Di Martino Rita Maria Concetta, Vecchio Domizia, Azzarone Luigi, Cappellano Giuseppe, Riva Beatrice

P I-152 ADAM10 at the Crossroads of Epilepsy and Alzheimer's Disease: Evidence from a Glutamate-Induced In Vitro Model
Caiazzo Eleonora, Panico Francesca, Mirra Davida, Palazzo Enza, Luongo Livio, Spaziano Giuseppe, D'Agostino Bruno

P I-153 High-fat diet induces sex-dependent inflammatory processes and dopaminergic alterations in the early phase of Alzheimer's disease
Mastio Andrea, Santoni Michele, Herres Anna, Morgese Mariagrazia, Pirozzi Claudio, Muntoni Anna Lisa, Pistis Marco, Sagheddu Claudia

P I-154 Beneficial effects of N-acetylserotonin in the experimental autoimmune encephalomyelitis mouse model of multiple sclerosis: focus on monoaminergic neurotransmission and tryptophan metabolism
Saccani Paride, Mastio Andrea, Palmieri Rossella, Herres Anna, Torre Veronica, Rosenwasser Nicole, Trabace Luigia, Pistis Marco, Pittaluga Anna, Morgese Maria Grazia, Sagheddu Claudia, Olivero Guendalina

P I-155 Photobiomodulation enhances synaptic bioenergetics and identifies translationally relevant protocols in ex vivo models of neurodegeneration
Pinto Alessandra, Gnecco Matilde, Farsetti Elisa, Monaco Martina, Balbi Matilde, Amaroli Andrea, Ravera Silvia, Grilli Massimo, Fedele Ernesto, Cervetto Chiara

POSTER SESSION II

26 November 2026

- Discussion with the Presenting Author: **17:30** - **19:00**

Cancer Pharmacology

Chairpersons: **Monica Notarbartolo Di Villafranca, Gloria Ravegnini**

P II-1 Pharmacological and functional profiling of genes involved in colorectal cancer drug resistance
Giugliano Elena Giulia, Landini Ida, Napoli Cristina, Piccolo Franciska, Mini Enrico, Nobili Stefania

P II-2 Preclinical evaluation of ONC206 in combination with MEK inhibitor in pediatric glioblastoma
Bono Silvia, Pizzoferrato Michela, Graziano Michela, Grossi Flavia, Navarra Pierluigi, Lisi Lucia

P II-3 Disrupting neuron-tumor interactions through neurotransmitter receptor targeting in breast cancer brain metastases
Bandini Arianna, Orlandi Paola, Banchi Marta, Doccini Stefano, Scatena Cristian, Heisler Melanie, Bijelic Gojko, Metzger Philipp, Weber Holger, Bocci Guido

P II-4 Intracarotid brain metastasis model for evaluation of novel therapeutic strategies in triple-negative breast cancer
Bandini Arianna, Bijelic Gojko, Heisler Melanie, Norz Pia, Metzger Philipp, Obodozie Cynthia, Weber Holger, Bocci Guido

P II-5 Epithelial NAPE-PLD deficiency drives stemness and epithelial remodeling in colorectal cancer
Rinaldi Maria Michela, Nanì Maria Francesca, De Cicco Paola, Orsi Maria Grazia, Piscitelli Fabiana, Cani Patrice, Borrelli Francesca, Izzo Angelo A., Romano Barbara

P II-6 eNAMPT in ovarian cancer: a pro-tumorigenic factor and a potential pharmacological target
Destefanis Margherita, Moro Marianna, Gorini Francesca, Ravegnini Gloria, Grolla Ambra

P II-7 Preclinical evaluation of combined chemotherapy and target-therapy in in vitro and zebrafish models of salivary gland cancers
Bonera Claudia, Abate Andrea, Marinoni Luisa, Tamburello Mariangela, Boldini Caterina, Bonini Sara Anna, Sigala Sandra

P II-8 Repurposing Nirogacestat for Adrenocortical Carcinoma: First In Vitro Evidence
Boldini Caterina, Tamburello Mariangela, Marinoni Luisa, Abate Andrea, Bonera Claudia, Cosentini Deborah, Laganà Marta, Kiseljak-Vassiliades Katja, Tiberio Guido, Bonini Sara, Grisanti Salvatore, Berruti Alfredo, Sigala Sandra

P II-9 NAMPT-targeting PROTACs as a novel therapeutic strategy for breast cancer
Moro Marianna, Galli Ubaldina, Balestrero Federica, Genazzani Armando, Pirali Tracey, Grolla Ambra

Chairpersons: **Ester Pagano, Giovanna Casili**

P II-10 Urinary 8-OHdG as a marker of oxidative stress in cancer patients association with mycotoxins and sociodemographic factors
Denora Michele, **Di Turi Annamaria**, Domi Elisa, Hoxha Malvina, Zappacosta Bruno, Tricarico Domenico

P II-11 Loss of TRPV3 shapes tumor-associated macrophages (TAMs) and immune landscape in colorectal cancer
Sergio Claudia, Feliciello Fabiana, Miraglia Maria, Cicia Donatella, Zoppoli Pietro, Cassese Myrhiam, Giachino Caterina, Capasso Raffele, De Cicco Paola, Izzo Angelo Antonio, Pagano Ester

P II-12 Cancer-induced ALDH1A1 expression drives endothelial plasticity, angiogenic remodeling, and immune evasion
Cecchin Claudia, Ciccone Valerio, Migdalek Monika, Morbidelli Lucia, Donnini Sandra

P II-13 Tissue-specific transcriptional reprogramming in breast cancer skin metastases revealed by organoid models
Rutigliano Daniela, Donzelli Sara, Orlandi Giulia, Scalera Stefano, De Ninno Adele, Goeman Frauke, Sacconi Andrea, Pulito Claudio, Vaccarella Sebastiano, Brandi Renata, Arteni Brindusa Ana Maria, Di Martino Simona, Pelle Fabio, Carosi Mariantonia, Perracchio Letizia, Fanciulli Maurizio, Businaro Luca, Strano Sabrina, Botti Claudio, Blandino Giovanni

P II-15 Selective Cytotoxic Effects of Bergamot Polyphenolic Fraction in NSCLC Cells via Apoptosis Induction
Caminiti Rosamaria, Mazza Valeria, Serra Maria, Nucera Saverio, Mollace Rocco, Tucci Luigi, Ilari Sara, Passacatini Lucia Carmela, Macrì Roberta, Altomare Carmen, Marrelli Federica, Caroleo Maria Cristina, Maiuolo Jessica, Gagliardi Agnese, Tocci Annalisa, Porciello Nicla, Nisticò Paola, Mollace Vincenzo, Muscoli Carolina

P II-16 TRPV3 regulates intestinal metabolic reprogramming in colon cancer
Feliciello Fabiana, Sergio Claudia, Miraglia Maria, Cattaneo Fabio, Zoppoli Pietro, Cicia Donatella, Romano Francesca, Iaccarino Nunzia, Randazzo Antonio, Iannotti Fabio Arturo, Capasso Raffaele, Izzo Angelo Antonio, Pagano Ester

P II-17 Multidisciplinary medication review in oncology and hematology patients with polypharmacy: early results from the TEAM IMPROVE study
Basso Marco, Zorzetto Giorgia, Maccari Erica, Ballestrin Melissa, Crivellaro Giovanna, Russi Alberto, Berti Elena, Coppola Marina

Therapeutic drug monitoring
Chairpersons**: Erika Cecchin, Stefania Nobili**

P II-18 Therapeutic drug monitoring of voriconazole and caspofungin in scedosporium apiospermum prosthetic valve endocarditis
Martino Camilla, Palermiti Alice, Balbiano Rosanna, Calleri Guido, Amprino Viola, D'Avolio Antonio, Cusato Jessica

P II-19 Development and validation of a UHPLC-MS/MS method for simultaneous quantification of Aztreonam-Avibactam in human plasma
Martino Camilla, Palermiti Alice, De Nicolò Amedeo, D'Avolio Antonio

P II-20 Pharmacokinetic Profile and Therapeutic Drug Monitoring of Cenobamate in Drug-Resistant Focal Epilepsy
Balsamo Anna Chiara, Charlier Bruno, Coglianese Albino, Rufolo Sandra, Operto Francesca Felicia, Assenza Giovanni, Liguori Claudio, Izzo Viviana, Filippelli Amelia

P II-21 Development and Validation of a UHPLC-MS/MS Method for Therapeutic Drug Monitoring of 12 Antibiotics in Tuberculosis and Non-Tuberculous Mycobacteria
Billi Martina, Simiele Marco, Favata Fabio, Maiese Domenico, Menegatti Giorgia, Cat Genova Elena, Palermiti Alice, Bianco Gianluca, Perotti Chiara, Sanfelici Elisa, Manca Alessandra, Soloperto Sara, De Nicolò Amedeo, Calcagno Andrea, D'Avolio Antonio

P II-22 Development and validation of a UPLC-MS/MS method for quantification of Rezafungin in human plasma
Martina Elisa, Palermiti Alice, Billi Martina, De Nicolò Amedeo, D'Avolio Antonio

P II-23 Development and validation of a HPLC-MS/MS method for quantification of Mavacamten in human plasma
Barnini Elisa, Bianco Gianluca, Palermiti Alice, Martino Camilla, De Nicolò Amedeo, D'Avolio Antonio

P II-24 Sex differences in the pharmacokinetics of levodopa in patients with Parkinson's Disease: impact on levodopa-related complications.
De Bellis Emanuela, Charlier Bruno, Corbi Graziamaria, Pagano Annarita, Donnarumma Danilo, Zarrella Adele, Mazzeo Salvatore Maria, Mazza Ines, Romeo Carmineantonio, De Stefano Alessandra, Campana Federica, Izzo Viviana, Filippelli Amelia, Pellecchia Maria Teresa, Conti Valeria

P II 25 Medication Review in people living with HIV (PLWH) - IMPACTO Study
Beltrandi Sarah, Zuppiroli Alberto, Longo Margherita, Vitale Salvatore, Appolloni Lucia, Cretella Silvia, Cicetti Davide, Caprara Raffaella, Pensalfine Giulia, Trapanese Maria, Stancari Alessandra, Lunghi Carlotta, Poluzzi Elisabetta, Calza Leonardo

P II-26 Population pharmacokinetic analysis of cefazolin in surgical prophylaxis using sparse intraoperative sampling
Marras Riccardo, Palermiti Alice, Montrucchio Giorgia Giuseppina, Giusiano Enrico, Ferrero Giorgia, Martino Camilla, De Nicolò Amedeo, D'Avolio Antonio

Rare diseases and orphan drugs and neurodegenerative diseases
Chairpersons: **Concetta Altamura, Patrizia Popoli**

P II-27 Store-Operated Calcium Entry: a novel pharmacological target for Duchenne muscular dystrophy
Muschitiello Carlotta, Azzarone Luigi, Pessolano Emanuela, Gallo Emanuele, Reano Simone, Filigheddu Nicoletta, Pirali Tracey, Panicucci Chiara, Bruno Claudio, Riva Beatrice

P II-28 Rare versus Non-Rare Diseases: A Comparative Analysis of Pivotal Trial Designs and Endpoints
Canonico Pier Luigi, Bonfanti Marzia, Galeone Carlotta, Fardella Martina, Mattoteia Daiana, Amorese Giulia, Popoli Patrizia, Jommi Claudio

P II-29 Dysregulation of LKB1 in Duchenne Muscular Dystrophy: epigenetic regulation by HDAC inhibitors and novel interactors
Boccanegra Brigida, Tulimiero Lisamaura, Quarta Raffaella, Conte Elena, Licandro Simonetta Andrea, Decio Alessandra, **Lenti Roberta**, Ladisa Alberto, Dinoi Giorgia, Claudione Letizia, Pierno Sabata, Mantuano Paola, Cappellari Ornella, Fossati Gianluca, Steinkühler Christian, De Luca Annamaria

P II-30 The inotersen-to-eplontersen transition: a clinically validated case study in rational Antisense Oligonucleotide design
Capuano Irene, Mazzeo Anna, Meneghini Vasco, Grilli Mariagrazia

P II-31 Mitsugumin 29 interacts with STIM1-ORAI1 to regulate SOCE and calcium homeostasis in skeletal muscle: a novel therapeutic target in Tubular Aggregate Myopathy
Buono Antonio Vittorio, Dinoi Giorgia, Lanza Martina, De Luca Annamaria, Imbrici Paola, Liantonio Antonella, Conte Elena

P II-33 Defining the role of 18-kDa translocator protein (TSPO) in Duchenne muscular dystrophy: an "old" mitochondrial player for a new therapeutic angle
Paola Mantuano, Brigida Boccanegra, Lisamaura Tulimiero, Roberta Lenti, Alberto Ladisa, Enrica Cristiano, Raffaella Quarta, Manuel Marinelli, Simona Nicole Barile, Francesco Massimo Lasorsa, Antonietta Mele, Ornella Cappellari, Michelangelo Campanella, Annamaria De Luca

P II-34 Modeling Neuroinflammation in SH-SY5Y Cells: Exploring the Therapeutic Potential of Cannabis-Derived Compounds
Ferro Alice, Boscaro Valentina, Barge Alessandro, Gallicchio Margherita

P II-35 JMV2894, a peptidomimetic growth hormone secretagogue, mitigates neuroinflammation and skeletal muscle wasting in the mouse model of experimental autoimmune encephalomyelitis
Olivero Guendalina, Saccani Paride, Conte Elena, Meanti Ramona, Dinoi Giorgia, Torre Veronica, Rosenwasser Nicole, Denoyelle Severine, Imbrici Paola, Bresciani Elena, Liantonio Antonella, Pittaluga Anna, De Luca Annamaria, Torsello Antonio, Rizzi Laura, Mele Antonietta

P II-36 Development of small molecules to modulate ADAM10
Molaschi Jasmine, Stringhi Ramona, Targa Lorenzo, Romagnoli Alice, Vasile Francesca, Di Muccio Giovanni, D'Urso Annarita, Pelucchi Silvia, La Teana Anna, Belvisi Laura, Di Luca Monica, Marcello Elena

P II-37 Early BBB Dysfunction and Peripheral Spread of α-Synuclein in Experimental Parkinson's Disease
Serra Marcello, Palmas Maria Francesca, Etzi Michela, Angius Fabrizio, Mocci Ignazia, Aminzadeh Khosro, Marongiu Jacopo, Carta Anna Rosa

Neurodegenerative Diseases
Chaipersons: **Giulia Sita, Davor Virag**

P II-38 Effects of fluoxetine in an animal model of Traumatic Brain Injury: focus on TGF-β1 signaling pathwa
Fidilio Annamaria, **Varrasi Sofia**, Costantino Giuseppe, Fusco Roberta, Romano Barbara, Di Paola Rossana, Caraci Filippo

P II-39 Elucidating the In Vivo Pharmacokinetics, Biodistribution, and Safety of a Novel Class of Small-Molecule PCSK9 Inhibitors
Mattina Beatrice, Palumbo Marcella, Bonicco Paola, Martina Maria Grazia, Giannessi Lisa, Vacondio Federica, Ferri Nicola, Zimetti Francesca, Potì Francesco, Radi Marco, Zanotti Ilaria

P II-40 PIWI proteins are modulated by remote ischemic post-conditioning in the brain of mice undergone middle cerebral artery occlusion
Di Santo Chiara, Parise Marco, Bagetta Giacinto, Amantea Diana

P II-41 Identification of new potential peripheral biomarkers and pharmacological targets for the treatment of cognitive decline in Down syndrome
Grasso Margherita, L'Episcopo Francesca, Gullotta Giorgia Serena, Fidilio Annamaria, Recupero Marilena, Barone Concetta, Alioto Luigi, Fatati Giusi, Greco Donatella, Buono Serafino, Blom Johanna MC, Benatti Cristina, Tascedda Fabio, De La Torre Rafael, Caraci Filippo

P II-42 Anti-inflammatory effects of allopregnanolone in LPS-activated HMC3 microglial cells: insights into molecular mechanisms
Sartori Emma, Rizzi Laura, Bresciani Elena, Torsello Antonio Biagio, Meanti Ramona

P II-43 Apolipoprotein E4 drives PCSK9 upregulation and amplifies PCSK9-mediated impairment of neuronal cholesterol homeostasis: implications for Alzheimer's disease
Papotti Bianca, Ugolotti Martina, Adorni Maria Pia, Radi Marco, Ferri Nicola, Bernini Franco, Zimetti Francesca

P II-44 Autophagy dysregulation in the corpus callosum and optic nerve in a cuprizone-induced mouse model of Multiple Sclerosis
Benfatto Elisabetta, Adornetto Annagrazia, Morrone Luigi Antonio, Bagetta Giacinto, Russo Rossella

P II-45 The modulation of ADAM10 activity influences adult hippocampal neurogenesis in Alzheimer's disease
D'Andrea Laura, Boni Giulia, Stringhi Ramona, De Cicco Greta, Bortolotto Valeria, D'Urso Annarita, Pelucchi Silvia, La Greca Filippo, Gibin Borzoni Giada, Brai Emanuele, Ghione Arianna, De Giorgis Veronica, Lo Pinto Margot, Robotti Elisa, Scilabra Simone Dario, Manfredi Marcello, Scheggia Diego, Di Luca Monica, Marcello Elena, Grilli Mariagrazia

P II-46 Distinct priming strategies generate functionally different MSC-derived Extracellular Vesicles
Fontana Luca, Costanzi Eva, Morello Giulia, Giroldo Francesca, Oltolini Federica, Pagani Lisa, Lonati Elena, Chinello Clizia, Magni Fulvio, Bulbarelli Alessandra, Torsello Antonio, Buffelli Mario, Tamagno Elena, Coco Silvia

P II-47 miRNAs in amyotrophic lateral sclerosis: among pathological actors and therapeutic opportunities
Penzo Chiara, Zerbo Arianna Roberta, Squillario Margherita, Torazza Carola, Fabbiano Fabrizio, D'agostino Vito Giuseppe, Pisoni Lorena, Basso Manuela, Berra Silvia, Di Trani Vincenzo, Caviglia Giacomo Franco, Bonifacino Tiziana, Piana Michele, Bonanno Giambattista, Milanese Marco

P II-48 Pharmacological Enhancement of GCase Activity Attenuates α-Synuclein Toxicity in Experimental Models of Parkinson's Disease
Scianaro Valentina, Iurato La Rocca Antonino, Conti Andrea Carlotta, Clemente Francesca, Cadorna Francesca, Matassini Camilla, Mannaioni Guido, Cascella Roberta, Masi Alessio

Neuropsychopharmacology
Chairpersons: **Natasha Irrera, Laura Musazzi**

P II-49 In Vitro Pharmacological Characterization of Neuropeptide S Derivatives on Gq- and Gs-Mediated Neuropeptide S Receptor Signaling
Pizzolitto Alice, Simon Katharina, Cardone Vincenzo, Negrini Solimano Marco, Argentieri Michela, Rizzo Alessandra, Ruzza Chiara, Reinscheid Rainer K, Preti Delia, Malfacini Davide, Calò Girolamo

P II-50 Impact of melatonin on cerebellar alterations in a murine model of Autism Spectrum Disorder
Premoli Marika, Shamshiri Ali, Galazzi Martina, Memo Maurizio, Bonomini Francesca, Borsani Elisa, Favero Gaia, Rezzani Rita, Bonini Sara Anna

P II-51 Sex-specific transcriptional adaptations of dopamine neurons following prenatal cannabis exposure
Carli Marco, Serra Valeria, Leoni Vera Piera, Brandalise Federico, Melis Miriam

P II-52 Increased mitochondrial DNA copy number is associated with major depressive disorder and treatment-resistant depression
Meloni Anna, Pisanu Claudia, Congiu Donatella, Chillotti Caterina, Ardau Raffaella, Severino Giovanni, Paribello Pasquale, Contu Martina, Pinna Marco, Bortolomasi Marco, Gennarelli Massimo, Silva Carvalho Rosana, Perusi Giulia, Buson Lisa, Abate Maria, Bignotti Stefano, Baune Bernhard T., Manchia Mirko, Minelli Alessandra, Squassina Alessio

P II-53 Gene × Environment Interaction in Shank3-related neurodevelopmental disorders
Polverini Federica, Curti Lorenzo, Scianaro Valentina, Cerullo Miriam, Nicosia Noemi, Mingardi Jessica, Musazzi Laura, Gerace Elisabetta, Mannaioni Guido, Masi Alessio

P II-54 Selective MT2 Receptor Activation by UCM924 ameliorates MK-801-Induced Schizophrenia-Like phenotype in Mice
Zuliani Angelica, Barzon Benedetta, Marchiotto Federica, Nasini Sofia, Casile Antonino, Gobbi Gabriella, Cambiaghi Marco, Comai Stefano

P II-55 Social Isolation during adolescence differentially Alters Behavior and Neuroplasticity Across Brain Regions and Sex
Rigillo Giovanna, Bertarini Beatrice, Ciani Miriam, Daini Eleonora, Iannone Luigi Francesco, Benatti Cristina, Pani Luca, Tascedda Fabio

P II-56 Early-life adversity disrupts oxytocinergic modulation of mesolimbic circuitry in a sex-specific model of depression
Mancini Camilla, Corinti Passeri Alice, Denitti Marica, Nutarelli Sofia, Viscomi Maria Teresa, Renzi Massimiliano, Cifani Carlo, Ventura Rossella

P II-59 Sex-specific behavioral effects and modifications in neuroimmune responses elicited by early stress exposure in MAO-A hypomorphic mice
Katsgigiannis Theodoros, Salviati Sara, Corridori Eleonora, Gambarana Carla, Scheggi Simona, Borgonetti Vittoria

Inflammation
Chairpersons: **Biagioli Michele, Paterniti Irene**

P II-60 CD73/Adenosine pathway as a key regulator of inflammatory responses in psoriasis
Giraulo Caterina, Plaitano Paola, Parente Erika, De Palma Giacomo, Morretta Elva, Esposito Roberta, Dittmar Tanja, Moltrasio Chiara, Monti Maria Chiara, Müller Christa Elizabeth, Marzano Angelo Valerio, Cicala Carla, Contassot Emmanuel, Navarini Alexander, Morello Silvana

P II-61 eNAMPT as a Driver of Bone Marrow–Gut Axis Dysregulation in Crohn's Disease
Balestrero Federica Carolina, **Grimaldi Riccardo Maria**, Meggiolan Aurora, Bello Ivana, Panza Elisabetta, Garcia Joe GN "Skip", Colombo Giorgia, Travelli Cristina

P II-62 Modulation of inflammatory responses in human fibroblasts by Phenyl-γ-valerolactones: effects on cytokine secretion and NF-κB activation
Bonicco Paola, Mattina Beatrice, Curti Claudio, Giorgio Carmine, Tognolini Massimiliano, Favari Claudia, Mena Pedro, Ronda Nicoletta, Zanotti Ilaria

P II-63 Supporting BBB integrity in health and inflammation: effects of a multiingredient dietary supplement
Spampinato Simona Federica, Capitani Lara, Gerbino Chiara, Bordano Valentina, D'Alessandra Salvatore Davide, Roshan Erfan, Giuliano Michela, Duò Omar, Germano Antonio, Rosa Arianna Carolina, Benetti Elisa

P II-65 Searching for new potential therapeutic targets to modulate microglial cytokines expression plasticity: implications for neuromuscular and neurodegenerative diseases
Mele Antonietta, **Ladisa Alberto**, Conte Elena, Dinoi Giorgia, Rizz Laura, Torsello Antonio, Imbrici Paola, Liantonio Antonella, Mantuano Paola, De Luca Annamaria

P II-66 Edaravone promotes IDO1 signaling via tyrosine phosphorylation independently of its antioxidant activity
Suvieri Chiara, Ambrosino Sara, Valsecchi Valeria, Regazzoni Luca, Protti Michele, Mercolini Laura, Morretta Elva, Monti Mariachiara, Orabona Ciriana, Volpi Claudia

P II-67 Myocardial infarction impairs blood brain barrier integrity and oligodendrocyte homeostasis, and activates neuroinflammation: neuroprotective effects of Montelukast
Muluhie Majeda, Castiglioni Laura, Mercuriali Benedetta, Rzemieniec Joanna, Helena Castro E Silva Juliana, Marangon Davide, Gelosa Paolo, Sironi Luigi

P II-68 Neurosteroids Modulate Neuroimmune Pathways in Human Microglia: Targeting TLR4/NF-κB and NLRP3 Inflammasome in epilepsy
Meanti Ramona, Sartori Emma, Rizzi Laura, Bresciani Elena, Torsello Antonio

P II-69 Neuroprotective effect of BITC as a new therapeutical approach for the management of Parkinson's Disease
Basilotta Rossella, Mannino Deborah, Cucinotta Laura, Lanza Marika, Campolo Michela, Esposito Emanuela

P II-70 Neuroprotective Effects of Troxerutin in 2D and 3D In Vitro Models of Parkinson's Disease**Mannino Deborah**, Scuderi Sarah Adriana, Calcaterra Elsa, Caraci Filippo, Esposito Emanuela, Paterniti Irene

Immunopharmacology and gastrointestinal pharmacology
Chairpersons: **Massimo Collino, Marco Gargaro**

P II-71 The Role of Glucocorticoid-Induced Leucine Zipper Protein Overexpression in Erythropoiesis
Cogliati Paolo, Gialletti Eros, Tusha Vjola, Mandarano Martina, Floridi Claudia, Riccardi Carlo, Migliorati Graziella, Bereshchenko Oxana, Bruscoli Stefano

P II-72 Protective effects of Proline-rich antimicrobial peptides on macrophage-mediated endotoxin infection
Rispoli Rosaria Margherita, Popolo Ada, Ferres Gustavo Ferreira, Caporale Andrea, Avitabile Concetta, Mardirossian Mario, Collino Massimo, Marzocco Stefania

P II-73 In vitro Effects of Heat-Not-Burn Tobacco (IQOS), Electronic and Conventional Cigarettes in Cell Growth and Differentiation of Oral Fibroblast and Keratinocytes.
Paci Miriam, valenti chiara, bereshchenko oxana, pagano stefano, marinucci lorella, bruscoli stefano

P II-74 Evaluation of the effects of the anti-GITR monoclonal antibody TRX518 on regulatory T cells in Addison's disease: an in vitro study
Procaccini Martina, Cari Luigi, Rosati Lucrezia, Basta Giuseppe, Ronchetti Simona, Migliorati Graziella, Calafiore Riccardo, Nocentini Giuseppe

P II-75 Cell senescence emerges as a hallmark and therapeutic target of chronic intracellular infection
Scarpa Edoardo, Oliveri Doriana, Rondelli Diego, Russo Federico, Nodari Riccardo, Zaccaria Marta, Chernichero Carla, Di Marco Federico, Lorè Nicola Ivan, Manganaro Lara, Rizzello Loris

P II-76 CDK9 Targeting as innovative immunoregulatory approach to mitigate sepsis-associated encephalopathy
Ferreira Alves Gustavo, Enrica Marzani, Zemer Alon, Rubeo Chiara, Aimaretti Eleonora, Porchietto Elisa, Camillò Leonardo, Rivas Navarrete Patricio Israel, Gurgone Antonia, Haim Yulia, Muallem Habib, Aragno Manuela, Rudich Assaf, Spampinato Simona Federica, Collino Massimo

P II-77 OM-85 Rewires Dendritic Cell Metabolism and Immune Activity via AhR
Pieroni Benedetta, Giorgia Manni, Marco Gargaro, Naomi Wieser, Edouard Baulier, Francesca Fallarino

P II-78 Role of GILZ in intestinal epithelial homeostasis and mucosal repair in paediatric IBD: insights from intestinal biopsies and patient-derived organoids
Muzzo Antonella, Fratestefano Federica, Curci Debora, Bramuzzo Matteo, Bruscoli Stefano, Bereshchenko Oxana, Decorti Giuliana, Stocco Gabriele, Lucafò Marianna

P II-79 Drug repurposing for intestinal epithelial recovery in paediatric ulcerative colitis: an organoid-based high-throughput screening approach
Fratestefano Federica, Muzzo Antonella, Zudeh Giulia, Fiorelli Giorgia, Faedda Chiara, Fornasiero Eugenio Francesco, Braga Luca, Klima Raffaella, Bramuzzo Matteo, Stocco Gabriele, Lucafò Marianna

P II-80 Protective role of SCFA in IS induced intestinal impairment
Rispoli Rosaria Margherita, Popolo Ada, Palenca Irene, Autore Giuseppina, Esposito Giuseppe, Dalli Jesmond, Marzocco Stefania

P II-81 Effect of a multi-strain probiotic mixture consumption on anxiety and depression symptoms induced in adult mice by postnatal maternal separation
Petrella Carla, De Santa Francesca, Strimpakos Georgios, Marchetti Nicole, Gargari Giorgio, Torcinaro Alessio, Arioli Stefania, Mora Diego, Farioli-Vecchioli Stefano

P II-82 Microbiota, endocannabinoid signaling and obesity-associated colorectal cancer: the role of NAPE-PLD in tumor–microbiota crosstalk
Nanì Maria Francesca, Rinaldi Maria Michela, Sommella Eduardo Maria, De Cicco Paola, Caponigro Vicky, Malinconico Antonio, Licastro Danilo, Orsi Mariagrazia, Piscitelli Fabiana, Tropeano Francesca Paola, Campiglia Pietro, Borrelli Francesca, Izzo Angelo Antonio, Romano Barbara

P II-83 Early-life gut microbiota modulation ameliorates central and enteric dysfunction in cuprizone-induced demyelination model
Faggin Sofia, Nasini Sofia, Bosi Annalisa, Ponti Alessandra, Giaroni Cristina, Comai Stefano, Savarino Edoardo Vincenzo, Vergnolle Nathalie, Giron Maria Cecilia

P II-84 The Gut-Brain Whisperers: analytical validation and in vitro assessment of microbiota-derived indoles in the context of neuroinflammation
Martusciello Isabella, La Monica Maria Felicia, Imbeni Federico, Pellati Federica, Alboni Silvia

Pharmacognosy, phytotherapy and nutraceuticals
Chairpersons: **Veronica Cocetta, Lorenzo Flori**

P II-85 Systemic administration of oxygen-rich extra virgin olive oil (Ozoile Food) exerts neuroprotection in mice undergone focal cerebral ischemia
Parise Marco, Di Santo Chiara, Vella Serena, Benevento Gilda, Montesano Domenico, Amantea Diana

P II-86 In vivo biodistribution of verbascoside reveals reproductive tissue exposure following oral administration of verbascum thapsus extract
Belaid Souda, Imbesi Martina, Giovinazzo Alessandro, Tassinari Roberta, Maranghi Francesca, Marcoccia Daniele, Mollari Marta, Galli Flavia Silvia, Maiorana Antonio, Smeriglio Antonella, Trombetta Domenico

P II-87 From biopsy to model: patient-derived endometrial stromal cells for reliable in vitro testing of nutraceuticals in endometriosis
Agostino Eleonora, Marcoccia Daniele, Galli Flavia Silvia, Mollari Marta, Maiorana Antonio, Genova Maria, Giovinazzo Alessandro, Tassinari Roberta, Maranghi Francesca, Trombetta Domenico, Smeriglio Antonella

P II-88 Cytoprotective properties of a mountain-derived Echinacea purpurea (L.) Moench root extract in intestinal and biliary cells
Baldani Claudia, Di Spigno Riccardo, Iuliano Elisa, Genovesi Gianluca, Garzoli Stefania, Ferrante Claudio, Nicotra Giovanna, Di Sotto Antonella

P II-89 Protective effects of caryophyllene sesquiterpenes against chemotherapy-induced damage in microglial cells
Iuliano Elisa, Percaccio Ester, Di Menna Luisa, Melchiorri Daniela, Vitalone Annabella, Bruno Valeria, Battaglia Giuseppe, Di Sotto Antonella

P II-90 In vitro evaluation of Garcinia cambogia (Gaertn.) Desr-associated liver injury: the role of inflammation and drug co-exposure
Letizia Corsetti, **Baldani Claudia,** Ester Percaccio, Daniel Marenna, Gabriela Mazzanti, Silvia Di Giacomo, Antonella Di Sotto

P II-91 Plumericin modulates Indoxyl Sulfate-induced Macrophage activation by targeting NF-kB-AhR pathways
Rispoli Rosaria Margherita, Schwaiger Stefan, Mondanelli Giada, Autore Giuseppina, Fornai Matteo, Gargaro Marco, Stuppner Hermann, Marzocco Stefania

P II-92 Antiviral and Anti-Inflammatory activity of Cannabis sativa Roots extracts in Influenza A virus-infected cell lines
Ferrini Fabio, **Sestili Fabio**

P II-93 In Vivo distribution of citrus flavanones reveals hepatic and uterine exposure following oral administration of citrus × sinensis peel extract
Imbesi Martina, Giovinazzo Alessandro, Martorano Benedetta, Tassinari Roberta, Maranghi Francesca, Marcoccia Daniele, Mollari Marta, Galli Flavia Silvia, Maiorana Antonio, Smeriglio Antonella, Trombetta Domenico

P II-94 Palmitoylethanolamide-polyphenol combination relieves neuroinflammation and sensory impairment in metabolic diabetic neuropathy: involvement of leptin and adiponectin pathways
Melini Stefania, Comella Federica, Navatti Nicole Pia, D'andrea Alessia, De Caro Carmen, Russo Roberto, Mattace Raso Giuseppina, D'angelo Michele, Pirozzi Claudio, Meli Rosaria

P II-95 Essential amino acids preserve gut integrity through mitochondrial modulation in obesity and inflammation
Spataro Letizia, Ragni Maurizio, Vetturi Alice, Canciani Luca, Zanella Alessia, Carruba Michele O., Valerio Alesssandra, Nisoli Enzo, **Ruocco Chiara**

Pharmacovigilance, pharmacoepidemiology, pharmacoeconomics & RWE
Chairpersons: **Luca Gallelli, Lucia Gozzo**

P II-96 Unmasking potential novel drug-related signals of osteonecrosis of the jaw: a disproportionality analysis of VigiBase, the WHO spontaneous reporting database
Arzenton Elena, Marcianò Antonia, Gozzi Federico, Levita Domenico, Maccarrone Francesco, Moretti Ugo, Scapini Fabio, Trifirò Gianluca, Oteri Giacomo, Tuccori Marco

P II-97 Gabapentinoid and possibly off-label use in pain management: a retrospective analysis using the global pharmacovigilance database VigiBase®
Arzenton Elena, Spini Andrea, Maccarrone Francesco, Scapini Fabio, Ingrasciotta Ylenia, Trifirò Gianluca, Moretti Ugo, Tuccori Marco

P II-98 Advanced training in pharmacovigilance, pharmacoepidemiology, pharmacoeconomics and Real World Evidence: organization and outcomes of a postgraduate master programme
Magro Lara, Tuccori Marco, Verdi Barbara, Sukhova Daria, De Diana Elisabetta, Doda Lori, Scapini Fabio, Moretti Ugo, Trifirò Gianluca

P II-99 The onset of posterior reversible encephalopathy syndrome (PRES) and reversible cerebral vasoconstriction syndrome (RCVS) with the use of decongestant agents: a European pharmacovigilance analysis
Pentella Ciro, Anatriello Antonietta, Cantone Andrea, Vastarella Maria Giovanna, Mascolo Annamaria, Capuano Annalisa, Rafaniello Concetta

P II-100 Comparative analysis of safety profile of L-carnitine and Coenzyme Q10
Midiri Paola, Ammendolia Ilaria, Curro' Maria Concetta, Cardia LUIGI, Nasso Enrica, Mannucci Carmen, Calapai Fabrizio

P II-101 Infection-Related Adverse Events with SGLT2 Inhibitors: A Descriptive Analysis of European Pharmacovigilance Data
Di Gangi Mariacristina, Grillo Carmela, Huryk Benedetta, Cappello Emiliano, Scaramozzino Bruna Maria, Convertino Irma, Antonioli Luca, Fornai Matteo

P II-102 Psychiatric disorders reported with tirzepatide: a retrospective descriptive analysis of European pharmacovigilance data
Grillo Carmela, Di Gangi Mariacristina, Huryk Benedetta, Cappello Emiliano, Scaramozzino Bruna Maria, Convertino Irma, Antonioli Luca, Fornai Matteo

P II-103 A real-world evaluation of SGLT2 inhibitors use, safety and effectiveness based on hospital clinical data in Tuscany: the MANDALORE study protocol
Huryk Benedetta, Grillo Carmela, Di Gangi Mariacristina, Convertino Irma, Lucenteforte Ersilia, Monzillo Janette, Velo Silvia, Cappello Emiliano, Di Cianni Graziano, Penno Giuseppe, Antonioli Luca, Fornai Matteo

Chairpersons: **Gianluca Gazzaniga, Damiana Scuteri**

P II-104 Unmet primary endpoints in pivotal clinical trials: impact on the EMA regulatory decisions
Perini Martina, **Sacchi Beatrice**, Miglio Gianluca, Panzeri Nicola, Genazzani Armando

P II-105 Eosinophilic esophagitis in patients treated with sublingual allergen immunotherapy: signals from WHO pharmacovigilance database
Girotti Silvia, Arzenton Elena, Furci Fabiana, Patuzzi Francesca, Stano Marilisa Giustina, Scapini Fabio, Boschetto Giulia Solidea Carlotta, Moretti Ugo, Trifirò Gianluca, Tuccori Marco

P II-107 Hypogammaglobulinemia and infections in patients with multiple sclerosis treated with anti-CD20 monoclonal antibodies: a systematic review and meta-analysis of observational studies
Frasca Mario, Scavone Cristina, Cagnotta Cecilia, Sportiello Liberata, Maniscalco Giorgia Teresa, Ragone Angela, Rinaldi Barbara, Capuano Annalisa

P II-108 Adverse reactions of melatonin in pediatric patients:literature review and pharmacovigilance data
Gonella Laura Augusta, Tuccori Marco, Menniti Ippolito Francesca, Ippoliti Ilaria, Valente Martina, Scapini Fabio, Moretti Ugo

P II-109 Impact of Social Media–Driven Drug Misuse on Pharmacovigilance Reporting: A Time-Series Analysis of Diphenhydramine Abuse in FAERS
Gaio Mario, Zinzi Alessia, Cagnotta Cecilia, Cipriani Mattia, Anatriello Antonietta, Cardillo Mirko, Rafaniello Concetta, Capuano Annalisa

P II-110 Acute pleural effusion following macitentan administration: an analysis of VigiBase
Arzenton Elena, Girotti Silvia, Moretti Ugo, Trifirò Gianluca, Caramori Gaetano, Tuccori Marco

P II-111 Burden and drug profiles of polypharmacy in Tuscany: evidence from the regional administrative database and the Italian National Pharmacovigilance Network
Ciccone Valerio, Del Prete Katia, Roberto Giuseppe, Gini Rosa, Monzillo Janette, Donnini Sandra

P II-112 Gestational Stress Disrupts Maternal Brain and Behavior via Neuroendocrine-Immune Mechanisms
Petrillo Giulia, D'Aprile Ilari, Marchesin Alessia, Begni Veronica, Riva Marco Andrea, Cattaneo Annamaria

Chairpersons**: Jacopo Angelini, Nicoletta Luxi**

P II-113 Hidden drug interactions: consequences and medication review in People Living with HIV
Donnarumma Danilo, Pagano Annarita, De Bellis Emanuela, Zarrella Adele, Mazza Ines, Charlier Bruno, De Liso Maria, Corbi Graziamaria, Madonia Simona, Onofrio Mirella, Masullo Alfonso, Pagliano Pasquale, Filippelli Amelia, Conti Valeria

P II-114 Off-label use of novel antiseizure medications in children: a real-world EudraVigilance safety analysis
Dinoi Giorgia, De Bellis Michela, Leone Rosa, Liantonio Antonella, De Luca Annamaria, Imbrici Paola

P II-115 Safety Profile and Signals of Drug Inefficiency of Amoxicillin and Amoxicillin/Clavulanic Acid: A FAERS Database Analysis from 2022-2025
Irrera Pierangela, Ammendolia Ilaria, Frattima Gabriella, De Luca Fabiola, Campolo Michela, Ardizzone Alessio, Calapai Fabrizio, Esposito Emanuela

P II-117 Real-World Safety Profile of Novel Migraine Prophylaxis: A Multicenter Active Pharmacovigilance Program in 10 Sicilian Neurology Departments
Loreto Giorgia, Garofalo Nunzia, Torrisi Concetta, Signorelli Umberto, Ruscica Rosy, Tardibuono Vincenza Adriana, Scorciapino Melania, Cosentino Andrea, Lazzara Antonio, Drago Filippo, Longo Laura, Vitale Daniela Cristina

P II-118 Real-world safety and efficacy of biologics in IBD in a one-year Calabria pharmacovigilance study
Bosco Francesca, Guarnieri Lorenza, Fabiano Antonio, Frajia Domenico, Costantino Laura, Citraro Rita, De Sarro Giovambattista

P II-119 Anti-Canakinumab Antibodies as a Potential Cause of Secondary Treatment Failure: Rationale for Therapeutic Drug Monitoring
Cafaro Alessia, Orsi Silvia Maria, Schena Francesca, Biondi Margherita, Cangemi Giuliana, Gattorno Marco, Caorsi Roberta

P II-120 AIFA's Drug Innovativeness Evaluations: a Multi-Dimensional Text Mining Analysis (2017–2025)
Pirotta Daniele Giona, Galeone Carlotta, Marcellusi Andrea

P II-121 Prioritizing real-world evidence outcomes in immune-mediated inflammatory diseases: a stakeholder-informed survey of Italian clinicians and patients
Spini Andrea, L'Abbate Luca, Ballestrin Melissa, Bellitto Chiara, Leone Salvatore, Previtali Enrica, Corazza Valeria, Tonolo Silvia, Rossini Maurizio, Gisondi Paolo, Guarneri Claudio, Fantini Massimo, Doria Andrea, Savarino Edoardo Vincenzo, Variola Angela, Di Spazio Lorenzo, Pagnini Cristiano, Ceccarelli Linda, Ingrasciotta Ylenia, Trifirò Gianluca

Pharmacogenetics and gender pharmacology and toxicology
Chairpersons: **Vincenzo Brancaleone, Laura Rizzi**

P II-122 Unveiling Erenumab Poor Response: Integrating Clinical Factors and CGRP-Pathway Targeted NGS
Giacon Martina, Cargnin Sarah, Mallucci Giulia, Cordella Alberto, Schankin Christoph, Gobbi Claudio, Zecca Chiara, Terrazzino Salvatore

P II-123 Pharmacogenetic interaction analysis of second-line bevacizumab-based chemotherapy in metastatic colorectal cancer: results from the randomized BEBYP trial
Bandini Arianna, Orlandi Paola, Scalese Marco, Masi Gianluca, Marmorino Federica, Cremolini Chiara, Bocci Guido

P II-124 Influence of CYP2B6 gene polymorphism on methadone plasma level: an analysis of clinical studies in caucasian population
Tamburrino Carmela, Donnarumma Danilo, Petrella Raffaella, Conti Valeria, Campobasso Carlo Pietro, Carfora Anna

P II-125 Sex-dependent effects of NMDA receptor antagonism on stress-induced spatial memory deficits
Diolosà Lidia, Torrisi Sebastiano Alfio, Geraci Federica, Leggio Gian Marco

P II-126 Sex-dependent protection by EVOO extract against LPS-induced inflammation in human amniotic fluid cells
Campesi Ilaria, Vignolini Pamela, Lodde Valeria, Urcioli Silvia, Ieri Francesca, Montella Andrea, Franconi Flavia

P II-127 Antibiotic therapy amplifies sex differences in the blood metabolome of extremely preterm infants
Costanzo Michele, Caterino Marianna, Ruoppolo Margherita, Bianco Sabrina, Sotgiu Giovanni, Francnoi Flavia, **Campesi Ilaria**

P II-128 Sex dependent differences in probiotics response in SAMP8 mice
Tirelli Emanuela, Morandini Stefania, Mastinu Andrea, Maccarinelli Giuseppina, Memo Maurizio, Eleutieri Anna Maria, Cecarini Valentina, Uberti Daniela Letizia, Abate Giulia

P II-129 Sex-Specific behavioral Effects of Antibiotic-Induced Gut microbiota perturbation
Geraci Federica, Diolosà Lidia, Torrisi Sebastiano Alfio, Leggio Gian Marco

P II-130 The Role of Lipid Mediators in Sex-Dependent Responses to β2-Agonists in Asthma
Cerqua Ida, Granato Elisabetta, Simonelli Martina, D'Avino Danilo, Perrella Alessandra, Ialenti Armando, Rossi Antonietta, Roviezzo Fiorentina

Obesity, metabolic syndrome and eating disorders
Chairpersons: **Provenzi Gustavo, Pirozzi Claudio**

P II-131 Essential amino acids modulate metabolic health in a sex-dependent manner in obese mice
Spataro Letizia, Ruocco Chiara, Ragni Maurizio, Canciani Luca, Vetturi Alice, Severi Ilenia, Giordano Antonio, Cinti Saverio, Carruba Michele O., Bartolomucci Alessandro, Valerio Alessandra, Nisoli Enzo

P II-132 Comparative effects of dietary lysine derivatives on blood-brain barrier permeation and glial responses
Marzani Enrica, Walczak Marlene, Ille Karina, Hellwig Michael, Collino Massimo, Spampinato Simona Federica

P II-133 Ocimum sanctum exerts protective effects against diet-induced metaflammtion and related metabolic derangements in mice
Camillò Leonardo, Rivas Patricio, Aimaretti Eleonora, Ferreira Alves Gustavo, Marzani Enrica, Rubeo Chiara, Delfrate Gabrielle, Aragno Manuela, Collino Massimo

P II-134 Drug Repurposing: MEK Inhibition by Selumetinib Improves Diet Induced Metabolic Dysfunction in Mice
Rivas Patricio, Aimaretti Eleonora, Camillò Leonardo, Ferreira Alves Gustavo, Marzani Enrica, Rubeo Chiara, Delfrate Gabrielle, Aragno Manuela, Collino Massimo

P II-135 Efficacy of dual ligands targeting the endocannabinoid/paracannabinoid systems in a preclinical model of binge eating
Botticelli Luca, de Ceglia Marialuisa, Micioni Di Bonaventura Emanuela, Vargas Fuentes Antonio, Rodriguez De Fonseca Fernando, Cifani Carlo, Micioni Di Bonaventura Maria Vittoria

P II-136 Histone deacetylase inhibition attenuates anxiety-like behaviours during diet-induced weight loss in obese rats
Einaudi Giacomo, Botticelli Luca, Micioni Di Bonaventura Emanuela, Zwergel Clemens, Mai Antonello, Conte Elena, Cifani Carlo, Micioni Di Bonaventura Maria Vittoria

P II-137 Lipid Accumulation and Inflammatory Activation in Distal Convoluted Tubule Cells
Gerbino Chiara, Bordano Valentina, Spampinato Simona Federica, Klein Thomas, Rosa Arianna Carolina, Benetti Elisa

P II-138 Targeting Cholinergic Signaling to promote β-Cell resilience in oxidative stress conditions: implication for metabolic syndrome
Lustri Serena, Petragnano Francesco, Fasciani Irene, Aloisi Gabriella, Maggio Roberto, Monaco Laura, Sordi Valeria, Delvecchio Maurizio, Rossi Mario

P II-139 Oral PCSK9 Inhibitors: A Meta-Analysis of Efficacy and Safety from Randomized Trials
Galimberti Federica, Olmastroni Elena, Xie Sining, Catapano Alberico, **Casula Manuela**

P II-140 Olaliamid® restores hypothalamic and hepatic alterations in a long-term HF/HC diet-induced model of metabolic syndrome
Burla Silvia, Ciarla Claudia, Facchinetti Roberta, Di Cesare Benedetta, Valenza Marta, Campolongo Patrizia, Scuderi Caterina

P II-141 Myotube Vulnerability to Clozapine-Induced Apoptosis Arises from Early Mitochondrial Superoxide Formation and Delayed, Time-Dependent Mitochondrial Fragmentation and Loss
Buffi Gloria, Fiorani Mara, Scocchia Lorenzo, Guidarelli Andrea, Battistelli Michela, Burattini Sabrina, Cantoni Orazio

P II-142 Impaired ClC-1 Proteostasis and Trafficking as a Mechanism of Statin-Associated Muscle Symptoms
Carbone Gaia, Conte Elena, Pierno Sabata, Camerino Giulia Maria

Pain pharmacology
Chairpersons: **Barbara Fülöp, Paola Sacerdote**

P II-143 A Novel Fluorescent Ligand for Specific Detection and Pharmacological Analysis of the Kappa-Opioid Receptor in Living Cells
Simon Katharina, Malfacini Davide, Pizzolitto Alice, Frezza Alessia, Sturaro Chiara, Marzola Erika, Forgiarini Alessia, Pagetta Andrea, Cusinato Federico, Gentilin Erica, Ruzza Chiara, Lambert Dave G., Guerrini Remo, Calo' Girolamo

P II-144 Alcohol withdrawal-induced hyperalgesia is mediated by central amygdala-protein kinase C-delta neurons in female Prkcd-Cre rats
Rossi Eleonora, Qin Di, Palma Martina, Sonsini Gregorio, Soverchia Laura, Ciccocioppo Roberto, Heilig Markus, Domi Esi

P II-145 Modulating the multidimensional complexity of opioid receptors with innovative endomorphin-1 analogues: a promising avenue to improved treatments for pain, neuroinflammation and addiction
Lusoli Gaia, Baiula Monica, Francescato Marco, Micheli Laura, Reed Brian, Di Cesare Mannelli Lorenzo, Gentilucci Luca, **Bedini Andrea**

P II-146 in vitro pharmacological characterization of novel derivatives of the NOP receptor ligand [6ACH2]N/OFQ(1-13)NH2
Camilotto Riccardo, Davide Malfacini, Alessandra Rizzo, Antonella Ciancetta, Salvatore Pacifico, Remo Guerrini, Girolamo Calò

P II-147 μ-Opioid Receptor Expression on NK cells as a Potential Diagnostic Biomarker in Post-Surgical Chronic Pain During Rehabilitation
Passacatini Lucia Carmela, Malafoglia Valentina, Nucera Saverio, Lupacchini Leonardo, Caminiti Rosamaria, Mazza Valeria, Oppedisano Francesca, Maiuolo Jessica, Tomino Carlo, Tenti Michael, Mollace Vincenzo, Raffaeli William, Muscoli Carolina, Ilari Sara

P II-148 Structural determinants of fentanyl and morphine binding to the μ-opioid receptor: comparative analysis with fentanyl-like analogues
Spagnolo Ferdinando, Molinari Filippo, Intonti Simona, Rosato Angela, Tarantino Domenico, Curcio Claudia

POSTER SESSION III

27 November 2026

- Discussion with the Presenting Author: **13:00** - **14:30**

Precision medicine: oncology and beyond
Chairpersons: **Lucia Lisi, Luisa Texeira Santos**

P III-1 A UHPLC-MS/MS method for the plasmatic quantification of Regorafenib and its metabolites (M2 and M5), and Temozolomide
Soloperto Sara, Menegatti Giorgia, Maiese Domenico, Palermiti Alice, D'Avolio Antonio, De Nicolò Amedeo

P III-2 Integrated analysis of circulating tumor DNA and inflammatory cytokines as predictive biomarkers in patients with Locally Advanced Rectal Cancer
Giacomin Aurora, Milan Noemi, De Mattia Elena, Scarabel Lucia, Gambron Martina, Ongaro Elena, Navarria Federico, Innocente Roberto, Gigante Marco, Cannizzaro Renato, Canzonieri Vincenzo, Belluco Claudio, Cecchin Erika

P III-3 Towards Selumetinib Precision Medicine in Pediatric Neurofibromatosis Type 1: Therapeutic Drug Monitoring and Metabolic Phenotyping
Cafaro Alessia, Barco Sebastiano, Santangelo Andrea, Corsini Corinna, Bandettini Roberto, Striano Pasquale, Diana Maria Cristina, Cangemi Giuliana

P III-4 Clinical Impact of DPYD and UGT1A1 Genotyping: A Sicilian Real-World Study
Drago Melissa, Vitale Silvia Rita, Martorana Federica, Gozzo Lucia, Mongiovì Roberta, Bonanno Claudia, Gullotti Lucia, Ricco Vincenza, Conti Chiara, Stella Stefania, Massimino Michele, Tomarchio Cristina, Giuffrida Ivana, Soto Parra Hector Josè, Novello Giuseppe, Calanna Sophie, Moschella Veronica, Rizzo Antonio, Drago Filippo, Vigneri Paolo, Magro Gaetano Giuseppe, Manzella Livia

P III-5 Enhanced In Vivo Thromboxane Biosynthesis in Melanoma Compared with Non-Melanoma Skin Cancers
Farhoud Mohammad, Di Stefani Alessandro, Rizzi Alessandro, Di Nardo Lucia, Del Regno Laura, Peris Ketty, Rocca Bianca, Petrucci Giovanna

P III-6 A bioabsorbable and biocompatible sensor for in vivo and real-time monitoring of doxorubicin
Vandini Eleonora, Maurina Elena, Corsi Martina, Tahir Sheza, Surdo Salvatore, Grisendi Giulia, Farshchian Moein, Ottani Alessandra, Giuliani Daniela, Barillaro Giuseppe

P III-7 Toward Precision Psychiatry: Serotonin, SOM Neurons, and Positive Emotional Bias
Niello Marco, Ciccocioppo Elisabetta, Pacinelli Giada, Antonelli Federica, Managò Francesca, Walle Roman, Papaleo Francesco

P III-8 The INTEGRATE Study in Oncology Patients: Integrated Pharmacogenetics, TDM and Active Pharmacovigilance as Innovative Tools for the Optimisation and Appropriateness of Drug Therapy
Cecchin Riccardo, Posocco Bianca, Gagno Sara, **Cecchin Eleonora**, Dalla Zuanna Paolo, Roncato Rossana, Polesel Jerry, Buonadonna Angela, Fratino Lucia, Puglisi Fabio, Toffoli Giuseppe, Rossi Paola, Arbo Anna, Baldo Paolo, Stocco Gabriele, Cecchin Erika

P III-9 Safety of Lutetium vipivotide tetraxetan (177Lu-PSMA-617): A Disproportionality Analysis of Real-world Data collected in the European Pharmacovigilance Database Eudravigilance
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