



43°

CONGRESSO NAZIONALE

DELLA SOCIETÀ ITALIANA DI FARMACOLOGIA

TORINO CENTRO CONGRESSI LINGOTTO

25-28 NOVEMBRE 2026



SOCIETÀ ITALIANA
DI FARMACOLOGIA

3PSOLUTION

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:

Armando Genazzani, Torino

SCIENTIFIC COMMITTEE:

Michele Biagioli, Perugia

Mariarosaria Bucci, Napoli

Annamaria De Luca, Bari

Fabrizio Gardoni, Milano

Armando Genazzani, Torino

Carla Ghelardini, Firenze

Maria Antonietta Riemma, Napoli

Maria Angela Sortino, Catania

GENERAL INFORMATION

SCIENTIFIC SECRETARIAT



SOCIETÀ ITALIANA
DI FARMACOLOGIA

SIF Società Italiana di Farmacologia

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M. Elena Scamoni

Adele Tangolo

Fabio Costantino

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

ORGANIZING SECRETARIAT AND ECM PROVIDER



3PSolution srl

Corso Europa, 13
20122 Milano – Italy

info@3psolution.it

www.3psolution.it

Contacts:

Chiara Ceriotti

Irene Sarcina

Antonella Verzelli

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

GENERAL INFORMATION

Congress venue

Lingotto Centro Congressi Torino

Via Nizza, 280

10126 Torino

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 e 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
NOT MEMBER – academic and health professions	€ 854 (€700 + 22% VAT)	€ 427 (€ 350 + 22% VAT)
NOT MEMBER Under 38 - academic and health professions and/or member of other scientific societies	€ 488 (€400 + 22% VAT)	€ 305 (€ 250 + 22% VAT)
NOT 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 (€ 500 + 22% VAT)
NOT 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 (€ 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 - MEETING 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.

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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, chemist, healthcare assistant, biomedical laboratory technician

In order to receive credits, participants must:

1. Attend at least 90% of the accredited CME sessions (attendance check);
2. Complete 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);
3. Complete the evaluation form.

MY ECM

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

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

To access online services please log on to <http://ape.agenas.it/professionisti/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

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: **90 cm (W) × 160 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**

MERCOLEDÌ 25 NOVEMBRE 2026

MERCOLEDÌ 25 NOVEMBRE 2026							
Ora	Sala Madrid	Sala Dublino	Sala Berlino	Sala Londra	Sala Istanbul - I Piano	Sala Roma - I Piano Sala ECM	Sala Parigi - I Piano
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						

TIMETABLE

GIOVEDÌ 26 NOVEMBRE 2026							
Ora	Sala Madrid	Sala Dublino	Sala Berlino	Sala Londra	Sala Istanbul - I Piano	Sala Roma - I Piano Sala ECM	Sala Parigi - I Piano
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							
10.00-10.30				Drug discovery and drug development: the role of technology transfer			
10.30-11.00							
10.30-11.00	Predclinical and clinical research in rare disorders	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	Drug combinations as the modern paradigm: opportunities and challenges
11.00-11.30							
11.30-12.00				Tackling antimicrobial resistance			
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			Modelling and simulation as drivers of innovation in pharmacology	Artificial Intelligence: the way forward to a safe healthcare environment
12.30-13.30	Poster Session 1						Institutional review board network
13.00-14.30	Lunch						
14.30-15.00	How precision medicine is transforming rare diseases: the evapetkinib 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						
16.00-16.30		Gene and cancer immunotherapy: unveiling molecular and cellular mechanism/s underlying immunotherapy					
16.30-17.00	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
17.00-17.30							
17.30-18.00	Poster Session 2						Molecular Tumor Board Network
18.00-18.30							
18.30-19.00							

SPONSORED SESSION

VENERDÌ 27 NOVEMBRE 2026

Ora	Sala Madrid	Sala Dublino	Sala Berlino	Sala Londra	Sala Istanbul - I Piano	Sala Roma - I Piano Sala ECM	Sala Parigi - I Piano
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	The metastatic partnership: vascular, stromal and immune interaction in the journey of circulating tumor cells	Novel and 3R-compliant platforms for early translational research in rare diseases	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							
10.00-10.30	Bispecific antibodies: from the laboratory to the clinic	The next generation of clinical pharmacology and hospital pharmacy: contributions from specialty trainees	Emerging strategies in cardiovascular prevention	Pharmacogenetics in personalized medicine	Transitional care in rare diseases: regulatory and therapeutic pathways for orphan drugs and advanced therapies	Psychodelics and more: innovative treatments for neurodevelopmental diseases and therapeutic challenges	
10.30-11.00							
11.00-11.30							
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	The role of pharmacology in clinical precision oncology	Givinaostat in Duchenne muscular dystrophy: an Italian story of scientific innovation, translational research and patient partnership	From maternal well-being to offspring mental health: molecular determinants of intergenerational vulnerability	Marine Pharmacology: a sea of opportunities
12.00-12.30					Beyond individual syndromes: how should the regulatory approach to DEEs evolve		
12.30-13.30	Lunch						
13.00-14.30	Poster Session 3						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						

TIMETABLE

SABATO 28 NOVEMBRE 2026

SABATO 28 NOVEMBRE 2026							
Ora	Sala Madrid	Sala Dublino	Sala Berlino	Sala Londra	Sala Istanbul - I Piano	Sala Roma - I Piano Sala ECM	Sala Parigi - I Piano
8.30-9.00	Joint SIF-SIICA Symposium: targeting immunometabolism Young investigators rewiring immune function	Frailty in complex comorbidities	Advances in alternative research methods	Targeting cellular and structural components of the tumor microenvironment	Substance use disorders in adolescence and adulthood: neurobiological adaptations, behavioral outcomes, and their clinical relevance	Environmental stress as a driver of neuro-immuno-metabolic disease: risk factors and vulnerability mechanisms	Real-world evidence of biologic drugs in immune mediated inflammatory diseases
9.00-9.30		Intestinal microbiota in extra-digestive disorders					Managing uncertainty and non-traditional outcomes in drug approval and reimbursement
9.30-10.00							
10.00-10.30	Clinical pharmacology and the National Health System		In-training clinical pharmacologists/toxicologists and hospital pharmacists: the SIF Contest				
10.30-11.00							
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						

TIMETABLE

SCIENTIFIC PROGRAMME

Continuing Medical Education (CME) Area

MEETING 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 diabetes-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-acyl ethanolamines on obesity-induced cardiometabolic alterations
Federica Comella
- 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

Giordano de Guglielmo

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

15.16 **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 ultramicrosized 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

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 Tagliatela**

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

27 NOVEMBRE 2026

SCIENTIFIC PROGRAMME CME

28 November 2026

08.30 – 10.00

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

Chairpersons: **Felipe Borges Almeida, Adriano Lama**

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

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: **Eugenio Guglielmelli, Roberto Di Lauro**

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**

MEETING ROOM MADRID

13.30 – 15.30

Synaptic and cellular communication in neurodegeneration

Chairpersons: **Roberta Facchinetti, Giulia Sita**

13.30 Co-ultramicrosized 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

MEETING 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

25 NOVEMBER 2026

SCIENTIFIC PROGRAMME NON CME

MEETING 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**

MEETING 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 Palermi
- 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

MEETING 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

MEETING 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 H₂S–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

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SCIENTIFIC PROGRAMME NON CMIE

26 November 2026

POSTER SESSIONS

12.30 – 14.00 POSTER SESSION 1

17.30 – 19.00 POSTER SESSION 2

MEETING 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 Ardisson

SPONSORED SESSION – BLUEPRINT**

14.30 – 15.30

How precision medicine is transforming rare diseases: the avapritinib story

Simone Baldovino, Armando Genazzani, Massimo Triggiani

SPONSORED SESSION – SOBI - SWEDISH ORPHAN BIOVITRUM

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 Tagliatela

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

MEETING 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

10.30 – 12.00

Novel advances in cardiovascular prevention and cardiovascular disorders**

Chairpersons: **Alma Martelli, Danilo Norata**

- 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
Claudia Raineri

SPONSORED SESSION – NOVO NORDISK

12.00 – 12.30

Obesity and the prevention of cardiovascular risk

Armando Genazzani, Pasquale Perrone Filardi, Paolo Sciattella

14.30 – 15.30

Prevention of infectious diseases

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

- 14.30** Pre-Exposure Prophylaxis (PrEP) in HIV
Andrea Antinori
- 14.50** RSV vaccination
Andrea Ungar
- 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

MEETING ROOM BERLINO

08.30 – 10.00

New approaches in endothelial and cardiac dysfunction

Chairpersons: **Valerio Ciccone, Lorenzo Da Dalt**

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

Mattia Riondato

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, Francesco Rossi**

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

WITH THE UNRESTRICTED GRANT OF ELI LILLY

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

MEETING 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, Silvia Rossi, Laura Spinardi, Giuseppe Toffoli**

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

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SCIENTIFIC PROGRAMME NON CME

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

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

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**

MEETING 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- β 1 effects in A549 cells

Francine Medjiofack Djeu

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: **Andrea Bianco, 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

Giulia Costanzo

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

Barbara Ruaro

11.30 New mechanisms of action in pulmonary fibrosis: from disease biology to therapeutic innovation

Martina Bonifazi

WITH THE UNRESTRICTED GRANT OF **ELI LILLY**

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**

MEETING 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-1 β 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: **Robert Nisticò, Giulio Pompilio, Massimo Riccaboni**

12.30-13.30

Institutional review board network

Jacopo Angelini, Francesco Rossi

WITH THE UNRESTRICTED GRANT OF GILEAD

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 Vetranò

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

Maria Francesca Nani

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

Morena Zusso

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SCIENTIFIC PROGRAMME NON CME

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

Giuseppe Caruso

17.30 – 18.30

Molecular Tumor Board Network

Cristiano Chiamulera

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SCIENTIFIC PROGRAMME NON CME

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

MEETING ROOM MADRID

08.30 – 09.30

At the crossroads of eating disorders and addictive behaviors: converging mechanisms towards translational perspective

Chairpersons: **Carlo Cifani, 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: **Giuseppe Nocentini, 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

Carmine Pinto

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
Simona Sica

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

MEETING ROOM DUBLINO

08.30 – 10.00

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

Chairpersons: **Maria Francesca Nani, 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

Giustina Stano Marilisa

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

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SCIENTIFIC PROGRAMME NON CME

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, Stefano Polesello**

SPONSORED SESSION – MERCK**

14.30-15.00

Rare tumors: management of unmet medical needs

Romano Danesi, Armando Genazzani, Giovanni Grignani

15.30-16.30

Unlocking Transient Receptor Potential (TRP) channels

Chairpersons: **Francesco de Logu, Angelo Antonio Izzo**

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

Romina Nassini

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

Fabio Arturo Iannotti

MEETING ROOM BERLINO

08.30 – 10.00

Drug targeting of cancer cells

Chairpersons: **Stefania Nobili, Federica Papaccio**

8.30 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

10.00 – 11.30

Emerging strategies in cardiovascular prevention**

Chairperson: **Vincenzo Calderone**

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

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

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

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

14.30 The global pharmaceutical context: new pressures on national systems

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

15.00 Clinical trials and Italy's competitiveness: strengthening the upstream position through process review and incentive mechanisms

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

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

16.00 – 16.30

Assembly of the SIF Clinical Pharmacology Section

Annalisa Capuano

27 NOVEMBER 2026

SCIENTIFIC PROGRAMME NON CME

MEETING ROOM LONDRA

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 – 15.30 ROUND TABLE

Safety and regulatory framework for medicinal plants and nutraceutical

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

Participants: **Alessandro Assisi, Marco Biagi, Gioacchino Calapai, Francesca Menniti Ippolito, Monia Lenzi**

15.30 – 16.30

Assembly of the SIF Early Career Pharmacology Group

Maria Antonietta Riemma

MEETING ROOM ISTANBUL

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 Tulumiero

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: **Maria Adelaide Bottaro, Pier Luigi Canonico, Luisa De Sanctis, Graziana Diez Roux, Andrea Marcellusi, Patrizia Popoli, Dario Roccattello, Annalisa Scopinaro, 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 – LUNDBECK

12.00-12.30

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

Emilo Russo

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

16.00-16.30

Assembly of the SIF Education Section

Giuseppe Cirino

MEETING 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

13.00-14.30

Phase I Clinical Trial Network

Romano Danesi, Sandra Sigala, Maurizio Taglialatela

27 NOVEMBER 2026

SCIENTIFIC PROGRAMME NON CME

14.30 – 16.00

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

Chairpersons: **Flavia Franconi, Luigia Trabace**

14.30 From concept to practice: implementing sex-aware pharmacology in experimental research

Antonietta Rossi

14.40 Rethinking sex in pharmacology: from bias to sex contextualism

Ilaria Campesi

15.00 From data to evidence: statistical strategies to detect sex differences in pharmacological research

Giovanni Sotgiu

15.20 Are the 3Rs and the need for gender balance in animal studies conflicting?

Giuliano Grignaschi

28 November 2026

AUDITORIUM

11.30 – 12.30

EPHAR Lecture: Lysosomal calcium signalling: from discovery to the clinic

Introduced by **Armando Genazzani**

Speaker: **Antony Galione**

12.30 – 13.00

Conclusions and awards

Monica DiLuca, Armando Genazzani

MEETING ROOM MADRID

08.30 – 10.00

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

Chairpersons: **Marco Gargaro, Eleonora Timperi**

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 ROR γ ⁺ 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 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**

MEETING 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 *Lactobacillus 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

MEETING ROOM BERLINO

08.30-10.00

Advances in alternative research methods

Chairpersons: **Elisabetta Caiazza, 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, Francesco Perrone, Pierluigi Russo, Entela Xoxi**

MEETING 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 ERO1 α 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

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

MEETING ROOM ISTANBUL

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

Alessandro Quattrone

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

MEETING ROOM PARIGI

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, 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, Gianluca Trifirò

*** Sessioni riservate ai soli medici chirurghi e farmacisti*

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◆ Giordano De Gugliemo	San Diego	◆ Antony Galione	Oxford
◆ Francesco De Logu	Firenze	◆ Martina Gambron	Aviano
◆ Annamaria De Luca	Bari	◆ Carola Garavaglia	Milano
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