



### Press release

## Researchers from all over the world in Bari for the Congress of the European Society of Clinical Investigation (ESCI)

(<https://esci.eu.com>).

The 56th Annual Scientific Meeting of the European Society for Clinical Investigation (ESCI) will be held in Bari, Italy on 8th-10th June 2022 at Villa Romanazzi Carducci in presence. The congress is organized by Prof. Piero Portincasa full Professor of Internal medicine, Director of the "Augusto Murri" Medical Clinic and of the Department of Biomedical Sciences and Human Oncology of the University of Bari and past president of ESCI.

The ESCI was established in 1967 as a pan- European Society to integrate European clinicians and fundamental scientists with a genuine interest in uncovering the mechanisms involved in the pathophysiology of human disease through basic, translational, and clinical studies.

This year the title of the congress is “**Promoting Biomedical Research, Equal Health and Environment in the post-COVID Syndemic Era**”. The congress is structured with high-quality pre-courses and symposia providing a forum of discussions to underscore the complex interactions between the ongoing pandemic and health, socio-economic, and environmental hazards, constituting a worldwide syndemic. The approach requires the integrated cooperation between health professionals involved in various fields such as lifestyle, cardiology, mitochondrial biology, regenerative and genomic medicine, digital medicine, gastroenterology, internal medicine, general health, public and environmental health, and translational medicine.

The congress will open on Wednesday 8 June with 5 parallel pre-courses dedicated to scientific methodology, health cost analysis, telemedicine, biopsychological and social aspects of the pandemic. After the institutional greetings (ESCI President, local organizer, Rector, Pro-Rector), the inaugural lecture is entitled "Living materials for biomedicine" by Prof. Gianluca M. Farinola, research delegate from the University of Bari, and will shed light on the innovative sector of nanomaterials in the diagnostic and therapeutic field.

The other three plenary lectures will take place on Friday 10 June: “Inflammasomes as a Gateway to Autoinflammation” by prof. Mo Lamkanfi (Ghent University), “Genetics of Irritable Bowel Syndrome: looking for genes where the sun doesn't shine” by prof. Mauro D'Amato (Bari), “Drug-Induced Mitochondrial Toxicity in the Young and Geriatric Populations: Challenges and Future Directions” by prof. Kendall B. Wallace (University of Minnesota, Duluth, MN, USA). There will be prizes and awards along with the delivery of the prestigious “Albert Struyvenberg” ESCI medal to an internationally renowned scientist.

The 11 symposia on 8-10 June will develop highly innovative, timely and multidisciplinary themes.

Symposium 1 (organizer Prof. P. Portincasa, Bari) concerns the development and consequences of metabolic diseases, high-frequency pathologies in any age group, responsible for considerable health and economic costs.

Symposium 2 (organizers prof. P. Oliveira, prof. C. Palmeira, Coimbra and prof. M. Wieckowski, Warsaw) will deal with the causes and consequences of mitochondrial alterations, an emerging field of research capable of explaining the mechanisms underlying numerous chronic diseases, including cancer.

Symposium 3 (organizers prof. G. Vilahur, Barcelona, prof. V. Randriamboavonjy Monaco, prof. L. Liberale, Genoa) will discuss the relationship between metabolic alterations and cardiovascular damage, with important pathophysiological, diagnostic, and therapeutic implications.

Symposium 4 (organizers Prof. F. Pereira, T. Cunha-Oliveira, R. Travasso, G. Gonnella, Coimbra and Bari), will address the innovative theme of bioinformatics and computational biology, discussing new research goals in the pathophysiological and therapeutic field.

Symposium 5 (organizers Dr A. Di Ciaula and Dr S. Pugliese, Bari) provides reports on innovative uses of ultrasound in clinical and experimental fields.

Symposium 6 (organizer Prof. G. Calamita, Bari) will analyse the most recent findings on cell membrane transporters and channels, discussing how the growing experimental research in this area can be transferred into the synthesis of new drugs and into clinical implications.

Symposium 7 (organized by profs. A. Portincasa, Foggia, Rizvanov, Kazan and L. Ferreira, Coimbra) will address the theme of regenerative and genomic medicine, an important and innovative experimental sector with promising therapeutic implications in various fields, from rare diseases to oncology.

Symposium 8, organized by profs. M. Testini and A. Gurrado, will deal with collaborative and multidisciplinary aspects linking medical and surgical research aimed at the diagnosis and treatment of some forms of cancer.

Symposium 9 (organizers Prof. P. Portincasa and A. Stella, Bari) will cover genetic and clinical aspects of the Familial Mediterranean Fever (FMF), a rare disease but with well-known clusters also in some areas of the Puglia region.

Symposium 10 (organizer Prof. M. De Angelis, Bari) will focus on microbiota, metabolism, diet, and lifestyles.

Finally, the 11th symposium (organizers Prof. L. Bonfrate, Bari and G. Vilahur, Barcelona) will deal with the topical issue of gender medicine and its implications in terms of public health.

This year Bari, both as a city and as a university, becomes the protagonist of a unique event of international importance in the scientific and social field with the involvement of many scientists, young researchers, postgraduates, students and patients' associations.

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