

BIOMARKERS IN RHEUMATIC DISEASES 11th GISEA INTERNATIONAL MEETING

**Biomarkers in Rheumatic Diseases:
towards precision medicine**



WEB EDITION
18th December 2020

Chairmen: G. Ferraccioli - E. Gremese



UNIVERSITÀ
CATTOLICA



In the last years the field of Rheumatology has witnessed astonishing progress in the understanding and management of rheumatic diseases. A tremendous advance in dissecting the molecular and cellular mechanisms underpinning inflammation mainly in chronic arthritis has been made. In this context, a new concept of joint homeostasis regulated by resident inflammatory and stromal cells was developed with significant consequences for the management of patients with chronic inflammatory joint diseases as Rheumatoid Arthritis, Psoriatic Arthritis and Spondyloarthritis, since high-definition analysis identified novel putative pathways involved in the regulation of the behavior of stromal and inflammatory cells within the target tissue across disease phases. However, a lack of knowledge is still present in the field of systemic Connective Tissue Diseases, arising the urgent need to identify and develop novel biomarkers with prognostic properties.

Moreover, artificial intelligence platforms recently allowed great advances in personalized medicine approaches in cancer field. Therefore, the future challenge in Rheumatology, will be to apply and develop precision-medicine strategies for the management of rheumatic diseases.

This year, we will meet again in a virtual format during half a day of intensive streams discussing current and future directions in biomarkers discovery and validation, their integration, modelling and bioinformatics within precision medicine approaches in Rheumatology.

13.30 - 13.45 Opening - *E. Gremese*

13.45 - 14.00 The road of biomarkers discovery in Rheumatology: update - *E. Gremese*

RHEUMATOID ARTHRITIS AND SPONDYLOARTHRITIS: UPDATE - Chairmen: M.A. D'Agostino, G.Ferraccioli

14.00 - 14.30 The truth is in the tissue: new insights for Rheumatoid Arthritis from the human cell atlas
C. Buckley

14.30 - 14.45 Novel biomarkers of joint homeostasis: learning from chronic inflammatory joint diseases
M. Kurowska-Stolarska

14.45 - 15.00 Precision medicine: clinical relevance of new biomarkers in RA
F. Ciccia

15.00 - 15.15 Redefining remission in rheumatoid arthritis: what should we aim for?*

S. Alivernini

15.15 - 15.45 Discussion

CONNECTIVE TISSUE DISEASES: UPDATE - Chairmen: F.R. Spinelli, E. Gremese

15.45 - 16.00 Novel biomarkers of autoimmunity in Connective Tissue Diseases
L. Frasca

16.00 - 16.15 The detrimental link between infection and inflammation: insights on the loss of immunological tolerance
C.B. Chighizola

16.15 - 16.30 Modelling and bioinformatics in Rheumatic Diseases
A. Mannoce

16.30 - 17.00 Discussion

TARGET THERAPIES: UPDATE - Chairmen: G. Lapadula, M.S. Chimenti

17.00 - 17.15 Real life experience of apremilast in psoriatic arthritis and potential markers of response*
F. Conti

17.15 - 17.30 IL6 blockade benefits beyond the joints*
M. Benucci

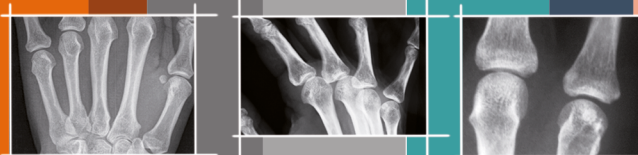
17.30 - 17.45 The old and the new: are anti-TNF outdated in precision medicine and JAK-inhibitors the answer?
G. Ferraccioli

17.45 - 18.15 Discussion

18.15 - 18.30 Take home messages
E. Gremese

18.30 Closure
CME test online

*Sponsored Lectures



GENERAL INFORMATION

REGISTRATION

For registration please apply to www.prex.it/eventi/biomarkers2020
Unregistered participants will not be allowed in the congress.

OFFICIAL LANGUAGE

The official language of the Congress is English.

SCIENTIFIC DIRECTORS

Prof.ssa Elisa Gremese

Prof. Gianfranco Ferraccioli

SCIENTIFIC COMMITTEE

Dr.ssa Barbara Tolusso (coordinator)

Dr. Stefano Alivernini

Dr.ssa Silvia Laura Bosello

Dr. Luca Petricca

Dr.ssa Maria Rita Gigante

Dr. Simone Perniola

CME

The course has been accredited by the Provider Prex (Rif. ECM: 75-307821-1) with educational objective n. 3 and it has been assigned 2,8 credits. The course is reserved to physicians specialised in: Rheumatology, Internal Medicine, Gastroenterology, Immunology, Dermatology, Nephrology, Orthopedy, Neurology, Geriatric, Allergology, Pulmonology, Cardiology.
To obtain CME credits is necessary to attend the whole course, pass the evaluation test and the evaluation form online.

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