

# The International Journal of Biological Markers

Editor-in-Chief: **Massimo Gion** Regional General Hospital of Venice Italy

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\*Source: 2018 Journal Citation Reports®, Clarivate Analytics, 2020

The International Journal of Biological Markers is an international, online only, open access, peer-reviewed journals, which published original research and critical reviewers primarily focused on cancer biomarkers.

IJBM targets advanced topics regarding the application of biomarkers in oncology and is dedicated to solid tumors in adult subjects. The clinical scenarios of interest are screening and early diagnosis of cancer, prognostic assessment prediction of the response to and monitoring of treatment. The journal if interested in the publication of studies aimed at valudation of biomarkers for clinical application.

In addition, IJBM focuses on research areas that facilitate translational research on biomarkers, such as knowledge translation, bio-banking, biostatistics and method validation and standardization.

# Special issue: Biomarkers and Imaging in the evaluation of inflammation in oncology

Inflammation is playing an increasingly central role in oncology. New tumor targeted drugs enhance the patient's immune system while chronic inflammation can help tumor growth. The identification of new biomarkers able to distinguish tumor progression from response to therapy is therefore crucial. This special issues represents the contributions of an educational initiative aimed at facilitating the collaboration among academics, physicians and developers, focused at bridging knowledge and skills from two interacting platforms of A\_IATRIS (Biomarkers and Imaging and tracers) on the crucial area of biomarker research concerning inflammation and cancer.

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# Special Issue: Biomarkers and Imaging in the evaluation of inflammation in oncology

### **Articles**

EATRIS, the European Research Infrastructure for Translational Medicine and A\_IATRIS, its Italian node. Franca Moretti, Antonio L. Andreu, Anton Ussi and Luisa Minghetti

The role of molecular and imaging biomarkers in the evaluation of inflammation in oncology.

Rosella Canese, Alberto Bazzocchi, Giovanni Blandino, Giulia Carpinelli, Chiara De Nuccio, Massimo Gion, Franca Moretti, Andrea Soricelli, Paola Spessotto and Egidio Iorio

Biological mechanisms linked to inflammation in cancer: discovery of tumor microenvironment related biomarkers and their clinical application.

Paola Nisticò and Gennaro Ciliberto

State of the art and trends of circulating cancer biomarkers.

Massimo Gion, Chiara Trevisiol and Aline S.C. Fabricio

Preedictive biomarkers in clinical practice: state of the art and perspectives in solid tumors.

Paola Ulivi

Computational deconvolution of transcriptomic data for the study of tumor infiltrating immune cells. Maddalena Fratelli, Marco Bolis and Arianna Vallerga

Evolving use of liquid biopsy in non-small-cell-lung cancer patients.

Stefano Indraccolo

Multispectral imaging technology: visualise, analyse, phenotype and quantify immune cells in situ.

Eliana Pivetta

Inflammation and infiltration: can the radiologist draw a line?

Maria Pilar Aparisi Gómez, Alberto Righi, Constantino Errani, Giancarlo Facchini, Marco Gambarotti, Piero Picci, Daniel Vanel, Davide Maria Donati and Alberto Bazzocchi

Molecular imaging and immunotherapy.

Laura Evangelista

FAZA PET imaging in tumor hypoxia: a focus on high-grade glioma.

Paola Mapelli and Maria Picchio

Correlating imaging parameters with molecular data: an integrated approach to improve the management of breast cancer patients

Anna Maria Grimaldi, Mariarosaria Incoronato, Peppino Mirabelli, Andrea Soricelli and Marco Salvatore

## **Guest Editors**

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European Research Infrastructure for Translational Medicine (EATRIS)

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