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Molecular Aspects of Cutaneous Squamous Cell Carcinoma

Guest Editors:

Prof. Dr. Carlo Pincelli

DermoLAB, Department of
Surgical, Medical, Dental and
Morphological Science,
University of Modena and Reggio
Emilia, 41124 Modena, Italy

Dr. Maria I. Morasso

Laboratory of Skin Biology,
Intramural Research Program,
National Institute of Arthritis and
Musculoskeletal and Skin
Diseases, National Institutes of
Health, Bethesda, MD, USA

Dr. Elisabetta Palazzo

DermoLab, Department of
Surgical, Medical, Dental and
Morphological Sciences,
University of Modena and Reggio
Emilia, 41121 Modena, Italy

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Message from the Guest Editors

Cutaneous Squamous Cell Carcinoma (cSCC) represents the second most frequent skin cancer and has recently showed a rapid increase in incidence worldwide. cSCC results from a multistep carcinogenesis process, ranging from actinic keratosis to metastatic cSCC, and derives from molecular alterations of those pathways that regulate the balance between proliferation, differentiation and apoptosis of epidermal cells. If identified early, it can be surgically treated, but it might be disfiguring and costly. On the other hand, if left untreated, cSCC can rapidly grow and often metastasizes. Hence, the identification of molecular biomarkers or altered gene networks will give a key mean through which the development of more effective and accessible therapies could be possible.

Therefore, this Special Issue will accept research articles and reviews recapitulating all the molecular aspects of the biology and pathology of cSCC in both human and animal models, along with a description of significative biomarkers, including transcriptional regulators of gene expression, mutations linked to severe prognosis, drug resistance, or molecular target therapies.



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Special Issue



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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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