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STAT3 in Carcinogenesis: Update from 1993 to Present

Guest Editors:

Dr. Donatella Romaniello

Department of Experimental, Diagnostic and Specialty Medicine (DIMES), University of Bologna, 40138 Bologna, Italy

Dr. Ilaria Marrocco

Department of Life Sciences and Public Health, Università Cattolica del Sacro Cuore, Rome, Italy

Dr. Margherita Eufemi

Department of Biochemical Sciences, Universita degli Studi di Roma La Sapienza, Rome, Italy

Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

Signal Transducer and Activator of Transcription 3 (STAT3) is a 30-year-old protein. As a pro-inflammatory transcription factor, signal transducer, and transcription activator, it was identified in 1994. Its activation is crucial in various diseases as chronic inflammation, cardiovascular and metabolic disorders, and cancer. In fact, a lot of scientific publications assessed the involvement of STAT3, through both its canonical and non-canonical pathways. Its multifaceted activities are mainly ensured by post-translational modifications such as phosphorylation, acetylation, glutathionylation, etc.

This Special Issue aims to review all the scientific advances on the STAT3 protein achieved in the past 30 years focusing on current and future research on the role of the STAT3 protein, its potential inhibitors or modulators in both carcinogenesis and chemoresistance phenomenon. We hope that researchers in the field contribute with research articles, review articles, innovative hypotheses, or commentaries on STAT3's activities and regulations.

Dr. Donatella Romaniello Dr. Ilaria Marrocco Dr. Margherita Eufemi *Guest Editors*







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Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA 2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

Message from the Editor-in-Chief

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