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Alcohol and Inflammation

Guest Editors:

Dr. María Candelaria Martín-González

Internal Medicine Department,
Universidad de La Laguna,
Hospital Universitario de
Canarias, 38320 Santa Cruz de
Tenerife, Spain

Prof. Dr. Emilio González-Reimers

Departamento de Medicina
Interna, Servicio de Medicina
Interna, Hospital Universitario de
Canarias, Universidad de La
Laguna, Tenerife, Canary Islands,
38320 La Laguna, Spain

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Message from the Guest Editors

Dear Colleagues,

Excessive ethanol consumption may cause widespread organ dysfunction, leading to a constellation of severe diseases (e.g., pancreas and/or liver function impairment, various types of cancer, cardiovascular diseases, or nutritional disorders), that markedly shorten lifespan. An important mechanism underlying health derangement in excessive drinkers includes an enhanced inflammatory response, mainly triggered by ethanol/acetaldehyde-mediated bacterial overload in portal blood, and by the increased oxidative damage provoked by ethanol metabolism and acetaldehyde adducts. However, our knowledge regarding the proinflammatory effects of alcoholism is still incomplete, and that regarding the therapeutic role of antioxidants or cytokine-blocking agents is disappointing. Therefore, research is still needed in this field.

This Special Issue aims to provide a platform for molecular mechanistic research on alcohol-induced inflammation, with a special focus on potential treatments and novel pathogenic pathways involved in inflammatory disease. We warmly welcome your submissions of original papers and reviews based on results from molecular viewpoints.



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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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