

Special Issue

Molecular Biology of Nuclear Receptors

Message from the Guest Editors

Nuclear receptors include steroid/thyroid hormone receptors, metabolic sensors and orphan receptors. Metabolic sensor-type nuclear receptors, such as liver X receptor, farnesoid X receptor and peroxisome proliferator activator receptor (PPAR), are activated by oxysterol, bile acid and fatty acid, and regulate their metabolism. These receptors, like steroid hormone receptors, also regulate cellular proliferation/differentiation, and immunity. Dysregulation in these systems has been implicated in the pathogenesis of human diseases, such as cancer, cardiovascular disease, and inflammation. Moreover, nuclear receptors including PPAR, retinoid receptors, and several orphan receptors have recently been known to be involved in the etiology of metabolic syndrome and atherosclerosis. In this Special Issue, we are pleased to invite original manuscripts focusing on the relationships between nuclear receptors and human disorders, as well as novel drug innovation.

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