

Insights in Biology and Medicine

Volume: 1, Issue: 1

Short Communication **Published Date: 12/27/2017**

[Maternal thyroid dysfunction and neonatal cardiac disorders](#)

<h2>Communication</h2>

<p>The normal levels of thyroid hormones (THs; thyroxine, T4 & 3,5,3′-triiodo-Lthyronine, T3) are necessary for the normal development [1-48], particularly the fetal and neonatal cardiac growth and development [49].The actions of THs are ...

Research Article **Published Date: 09/25/2017**

[The master regulator gene PRDM2 controls C2C12 myoblasts proliferation and Differentiation switch and PRDM4 and PRDM10 expression](#)

<h2>Abstract</h2>

<p>The Positive Regulatory Domain (PRDM) protein family gene is involved in a spectrum variety of biological processes, including proliferation, differentiation and apoptosis: its member seem to be transcriptional regulators highly cell type and tissue peculiar...

Review Article **Published Date: 08/31/2017**

[Use of MicroRNAs to Screen for Colon Cancer](#)

<h2>Abstract</h2>

<p>Colon cancer (CC) screening is important for diagnosing early stage for malignancy and therefore potentially reduces mortality from this disease because the cancer could be cured at the early disease stage. Early detection is needed if accurate and cost effe...

Review Article **Published Date: 08/25/2017**

[Surface Plasmon Resonance technology to assess biological interactions](#)

<h2>Abstract</h2>

<p>Molecular interactions between proteins or between proteins and small molecules are pivotal events for selective binding of biological structures and, consequentially, for their correct function. In this scenario, the evaluation of kinetic parameters, charac...

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Review Article

Published Date: 07/25/2017

[Transglutaminase inhibition: possible therapeutic mechanisms to protect cells from death in neurological disorders](#)

<h2>ABSTRACT</h2>

<p>Transglutaminases are a family of Ca²⁺-dependent enzymes which catalyze post-translational modifications of proteins. The main activity of these enzymes is the cross-linking of glutaminy residues of a protein/peptide substrate to lysyl residues of a protein...

Mini Review

Published Date: 06/06/2017

[Fungi present in home and their impact on human health-A short review](#)

<h2>ABSTRACT</h2>

<p>It is estimated that even up to 30% of buildings worldwide may be the subject of complaints connected with the quality of indoor air. Potential sources of air pollution can be both organic and inorganic particles. This article focuses on biological air pollu...

Research Article

Published Date: 01/20/2017

[Ethical Dimensions of Population Genetic Research in the Caucasus](#)

<h2>ABSTRACT</h2>

<p>The emergence and establishment of anthropological genetics as an interdisciplinary science is primarily, associated with the development of new genomic technologies. Precision genetic testing on the one hand, and the rapidly increasing number of genetic inv...

Short Review

Published Date: 01/09/2017

[Endothelial Repair and Endothelial Cell-Derived Secretome](#)

<h2>ABSTRACT</h2>

<p>Growing evidence supports the hypothesis that endothelial cell-derived microparticles (MPs) might contribute to the pathogenesis of cardiovascular (CV) disease. Endothelial cell-derived MPs play a pivotal role in the regulation of the endogenous repair syste...