

Special Issue

Gene Mutations in Retinal Dystrophies

Message from the Guest Editors

Since the early nineties, the discovery of genes implicated in IRDs has been tumultuous and has led to the identification of many disease genes, whose role in the phototransduction, visual cycle and structure of photoreceptor cells and protein trafficking in retinal cells has been progressively elucidated. Gene discovery has been pivotal in obtaining a better understanding of retinal physiology and, most importantly, for the development of therapeutic strategies for an increasing number of IRD subtypes. The focus of this Special Issue is on the gene mutations in inherited retinal dystrophies (IRD). Studies on new genes responsible for IRDs or studies on new mutations in known genes and their consequences on the physiology of retinal cells will be given special consideration. Studies on the interactions among genes and the mutational burden on disease phenotype will be also of specific interest for this Special Issue. In the hope that this Special Issue will help to expand the knowledge in the important field of genetics of IRD, we invite contributions from the laboratories and researchers engaged in this fascinating field of science.

Guest Editors

Prof. Dr. Benedetto Falsini

1. Ophthalmology Unit, Fondazione Policlinico Universitario A. Gemelli IRCCS, 00168 Rome, Italy
2. Ophthalmology Unit, Catholic University "Sacro Cuore", 00168 Rome, Italy

Dr. Emiliano Giardina

1. Genomic Medicine Laboratory UILDM, Santa Lucia Foundation, 00142 Rome, Italy
2. Forensic Genetics Laboratory, Department of Biomedicine and Prevention, Tor Vergata University, 00133 Rome, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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