



Journal of Lipids

Special Issue on
**Nutritional Genomics Applications on Clinical
Practice: Special Focus on Lipid Metabolism**

CALL FOR PAPERS

Nutritional Genomics is an emerging, health-related field of research which aims at personalizing human dietary patterns and lifestyle to prevent diseases and maintain health. It covers various “omics” categories such as transcriptomics, proteomics, and metabolomics, to mention a few. Nutritional genomics also includes nutrigenetics that aims at explaining interindividual variation and response to dietary and environmental factors. Although a solid body of knowledge already exists in the ample field of nutritional genomics, there are many answers to be found and solid conclusions to be made. Lipid metabolism is one of the fields where single nucleotide polymorphisms (SNPs) have been found to have an impact on nutritional individual response.

The current special issue is focusing on Nutritional Genomics Applications in humans and its purpose is to publish research papers concerning the state of the art and challenges in the field. We invite researchers to contribute original research articles as well as review articles that seek to address the state-of-the-art nutritional genomics knowledge in humans with a special focus on lipid metabolism. Recent advances on nutrigenetics, metabolomics, transcriptomics, proteomics, lipidomics, and other new “omics” categories related to lipid metabolism are also welcome. A particular interest will be given to manuscripts exploring or discussing the existing evidence of nutritional genomics application in humans. Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought.

Potential topics include, but are not limited to:

- ▶ Human trials, interventions, and studies on genetic variation affecting lipid metabolism
- ▶ Meta-analysis and systematic reviews on the interplay between genetic and phenotypic factors affecting lipid metabolism
- ▶ Application of nutrigenetic testing in humans
- ▶ The role of lipid or lipophilic nutritional supplements and enriched food to balance genetic predisposition
- ▶ The role of nonlipid nutritional supplements that influence lipid metabolism, to balance genetic predisposition
- ▶ Studies assessing the biological activity of nutritional supplements and/or enriched food on lipid metabolism
- ▶ Lipidomics of specific dietary patterns (i.e., vegetarian diet, western diet) in humans
- ▶ Microbiome studies related to lipid-rich diet in humans
- ▶ microRNA profile of lipid-rich diets in humans

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jl/nga/>.

Lead Guest Editor

Valentini Konstantinidou,
Dnanutriccoach, Barcelona, Spain
valentini.konstantinidou@yahoo.com

Guest Editors

Youn-Kyung Kim, State University of
New Jersey, New Brunswick, USA
ykkim5@rci.rutgers.edu

Elena Giordano, Dnanutriccoach,
Cagliari, Italy
elen79@yahoo.it

Ruth Sánchez-Martínez, IMDEA Food
Institute CEI UAM + CSIC, Madrid,
Spain
ruth.sanchez@imdea.org

Isabel C. Arnedo, Massachusetts
General Hospital-Harvard University,
Boston, USA
icalvo@mgh.harvard.edu

Keith A. Grimaldi, Eurogenetica Ltd.,
Burnham-on-Sea, UK
keith.grimaldi@gmail.com

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