

Special Issue

Nutrigenomics in Dairy Animals

Message from the Guest Editor

Nutrigenomics is a relatively new branch of research in dairy animals with great potential to address the challenges of improving the efficiency of milk production and animal health. Since the review published in 2015 (J Anim Sci. 2015 Dec;93(12):5531–53), several advances have been made, and more researchers have joined forces to advance this field of research. The affordability of large transcriptomic analysis, including analysis of non-coding RNA, has provided us with the opportunity to assess the nutrigenomic role of many feed compounds. Furthermore, novel molecular techniques, such as CRISPR-Cas9, are available that can help us to further study nutrient–gene interactions and how these interactions affect the milk production and health of dairy animals. The aim of this Special Issue is to capture advances in nutrigenomics in dairy animals, including the development of new methods (e.g., techniques, cell lines, or protocols) and studies performed in vitro, ex vivo, in vivo, or in silico to investigate nutrient–gene interactions in dairy animals.

Guest Editor

Dr. Massimo Bionaz

Department of Animal and Rangeland Sciences, Oregon State University, 561 Weniger Hall, Corvallis, OR 97331, USA

Deadline for manuscript submissions

closed (15 March 2021)

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CiteScore 5.5
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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham,
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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