



Lipoprotein Metabolism and Adipose Biology in Poultry: Impact on Health and Production

Guest Editors:

Prof. Dr. Rosemary L. Walzem

Texas A&M University, College
Station, TX 77845, USA

Dr. Brynn H. Voy

College of Arts & Sciences,
University of Tennessee,
Knoxville, TN 37996, USA

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Message from the Guest Editors

Dear Colleagues,

Aspects of avian lipoprotein biology are distinct from those of mammals in many ways, as a result of oviparous reproduction. Lipoproteins are biological nanoparticles that are widely recognized as transporters of lipophilic nutrients and energy-containing lipids. More recently appreciated properties of lipoproteins include the conveyance of bioactive and signaling lipids. The apoproteins in lipoproteins serve structural and ligand functions; some protein components possess enzymatic activities, bind inflammatory compounds, and act in aspects of innate immune function. Further distinctions arise from genetic selection for specific production targets in commercial poultry. Genetic differences among strains of chickens result in differences in growth, adiposity, and reproductive capacity. This Special Issue aims to highlight newer knowledge in avian lipoprotein biology and adipose development that has an impact on poultry health and production. Articles that use newer molecular techniques or that explain the mechanisms for phenotypic differences among strains of poultry in lipoprotein physical properties, metabolism, or adipose biology are particularly welcome.





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Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
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2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

Message from the Editor-in-Chief

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Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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