



Contribution ID: 73

Type: **Talk**

Lactoferrin: Properties and Potential for Medical Research

Friday 19 April 2024 16:45 (20 minutes)

Lactoferrin is a protein that occurs in milk and other mammalian secretions. As a member of the transferrin family, it is responsible for binding and transporting iron. However, this is only a small fraction of its functions. Many other bioactivities have been identified, including antibacterial, antiviral, antifungal and even anticancer properties. This protein is therefore extremely promising due to its multiple functions and non-toxicity. Therefore, in recent years many researchers have focused on exploring and developing potential uses of lactoferrin. The aim of this speech is to provide the role that lactoferrin plays in protecting human organism at all stages of life, its multipotentiality as well as outline application of this protein and its modifications in medicine.

Field

Chemistry

Length

Short 15 min

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