

## Special Issue

# New Insights into Psoriasis

### Message from the Guest Editors

Psoriasis is a common, chronic, inflammatory, immune-mediated skin disease. The main cause of the disease is the overactivation of the skin's innate and acquired immune system cells by external factors and internal factors. These cells secrete cytokines, chemokines and growth factors that stimulate keratinocyte proliferation, neoangiogenesis and inflammation. The IFN $\gamma$ , TNF $\alpha$  and IL-23/IL17 axis, which activates the NF- $\kappa$ B pathway, plays a dominant role in the pathogenesis of the disease. A complex interaction between epigenetics, genetics and the inflammatory signaling networks of skin and immune cell mediators has been proved in many studies. Psoriasis has been shown to be associated with the mutation of more than 60 genes. Regarding epigenetic mechanisms, histone modifications, promoter methylations, and long noncoding RNA and microRNA hyperexpression are considered to be additional factors contributing to psoriasis pathogenesis. In this Special Issue, we will publish recent data regarding the pathogenesis, comorbidities and therapy of psoriasis. We invite you to submit original and review publications based on the results of molecular research.

### Guest Editors

Dr. Bogusław Nedoszytko

Prof. Dr. Agnieszka Owczarczyk-Saczonek

Prof. Dr. Dorota Krasowska

Dr. Aneta Szczerkowska-Dobosz

### Deadline for manuscript submissions

closed (31 May 2022)



## International Journal of Molecular Sciences

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