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## The Role of Macrophages in Physiological and Pathophysiological Inflammation

Guest Editor:

**Prof. Dr. Martin Thurnher**

Immunotherapy Unit,  
Department of Urology, Medical  
University of Innsbruck, 6020  
Innsbruck, Austria

Deadline for manuscript  
submissions:

**closed (31 May 2021)**

### Message from the Guest Editor

In this Special Issue, we will address how different macrophage subsets contribute to the onset or resolution of inflammation. We will discuss the receptor signalling pathways, as well as the underlying metabolic reprogramming that leads to the production of inflammatory or anti-inflammatory molecules. The metabolic and epigenetic rewiring of macrophages also promotes the generation of an innate form of immune memory called “trained immunity”. Training macrophages may either lead to an augmented immune response to a secondary stimulus, as initially described for *Bacillus Calmette Guérin* (BCG), or to a state of hypo-responsiveness, such as that observed in endotoxin tolerance. The major goal of this article collection is to improve our understanding of host immune responses to microbial aggression, fostering the development of novel therapeutic approaches.



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**Special** Issue



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*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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