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The Role of Microorganism in the Etiopathogenesis of Demyelinating Diseases

Guest Editor:

Dr. Davide Cossu

1. Department of Neurology,
Juntendo University, Tokyo 113-
8421, Japan
2. Department of Biomedical
Sciences, Sassari University,
07100 Sassari, Italy

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Message from the Guest Editor

Dear Colleagues,

Environmental factors, such as bacterial and viral infections, have been associated with the development of several demyelinating diseases, including multiple sclerosis (MS), neuromyelitis optica spectrum disorder (NMOSD), and myelin oligodendrocyte glycoprotein antibody-associated disease (MOGAD). However, a direct proof of a causative specific pathogenic agent is still missing.

Since very little is known about the molecular machinery behind the change in the immune system in response to microbial components in patients with demyelinating disorders, this research topic aims to understand the relationship between microorganisms, neuroinflammation, and neurodegeneration.

In this Special Issue, we welcome contributions focusing on, but not limited to, the following themes:

- Role of infection in the etiopathogenesis of MS, NMOSD and MOGAD disorders;
- Relationship between microbial products, immune system and the autoimmune-mediated demyelination;
- Link between risk of infection reactivation and treatment in demyelinating diseases;
- Infection in animal model systems of demyelinating diseases

Dr. Davide Cossu
Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in
Biomedicine (IRB Barcelona), The
Barcelona Institute of Science
and Technology, 08028
Barcelona, Spain

Message from the Editor-in-Chief

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Life Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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