Special Issue

Inflammasome and Microbiota Functions in Skin, Mouth, and Gut Inflammation

Message from the Guest Editors

Inflammasome formation is crucial in the immunological responses against pathogens. The role of inflammasome in the maintenance of commensal microbiota and related homeostasis is evident through several studies, especially in gastro-intestinal tract homeostasis. Oral mucosal microbiota, dysbiosis, and immune responses are relevant in the inflammatory bowel disease pathogenesis. The function of gastric microbiota in the case of *Helicobacter pylori* infection and associated diseases must also be addressed. Generally, various microbiota functions are closely associated with the host immune responses, including inflammasome activation. Several genetic mutations and polymorphisms of inflammasome components are associated with skin inflammation.The skin harbors many microbiota members to regulate immune responses and maintain cutaneous homeostasis. The role of skin microbiota in a wound is correlated with the healing process.Various skin diseases have links with dysbiosis. In the above context, we are glad to invite researchers to contribute with original research articles and reviews.

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Deadline for manuscript submissions

closed (31 July 2023)

Biomedicines

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/139441

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