

Special Issue

Molecular Research in Sarcoidosis and Granuloma

Message from the Guest Editor

Sarcoidosis is a prototypic chronic granulomatous inflammatory disorder that predominantly affects the lung. The etiology is unclear, but it appears that certain inciting factors (such as infections, organic dusts, carbon nanotubes, etc.) trigger dysregulated immunity, mediated mostly by alveolar macrophages, which leads to granuloma formation. Initial formation of the granuloma involves the release of a large repertoire of pro-inflammatory mediators designed to recruit neutrophils and other cells into the area. If neutrophils cannot destroy the substance, it is phagocytized by macrophages which release additional pro-inflammatory cytokines and chemokines. Failure of macrophages to destroy the substance within the granuloma results in a chronic inflammatory pulmonary condition that can have significant morbidity. Even though sarcoidosis mostly affects the lung, for this series collection on sarcoidosis, we are inviting original research articles that encompass other types of granulomas affecting other organs in sarcoidosis. Research at the molecular level is highly encouraged.

Guest Editor

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