

## Diagnosis and management of immunological diseases requires sirtuin 1 as a diagnostic protein marker

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Laboratory evaluations using established and emerging techniques in immunology are essential for the diagnosis and management of immune-mediated disorders. Inter-relationship between immunology and other laboratories such as chemistry, microbiology and hematology now may overlap in diagnostic tests. Diagnosis of allergy, autoimmune disease serology, protein immunology including complement testing, cancer immunology, histocompatibility and immunogenetics, primary/secondary immunodeficiencies and infectious disease serology may now require analysis of a diagnostic protein that is critical for interpretation of global health and chronic disease. Sirtuin 1 analysis on blood, plasma and sera may be important to immunological tests with collection of plasma/sera sensitive to the appropriate preservative, freeze/thaw conditions and long term storage conditions. Bacterial lipopolysaccharides need to assay on samples to avoid misinterpretations with relevance to sirtuin 1 repression in immunological diseases.

### Biography

Ian James Martins is an Editor/Reviewer for Open Access Publications/MDPI journals and various other international journals. He was appointed as the Chief Editor for *International Journal of Diabetes Research* (2014-2018), *Research and Reviews: Neuroscience* (2016-2018) and *Journal of Diabetes and Clinical Studies* (2017-2018). He was conferred with the Richard Kuhn Research Award-2015 Endocrinology and Metabolism. He is currently a Scientist for The Science Advisory Board (USA) and an Academic with Academia.edu.

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