

SAMRC PRESIDENT AND CEO LECTURE



Lecture by **Dr Olaf Stuve**

Professor in the Department of Neurology at UT Southwestern Medical Center, Head of the MS/ Neuroimmunology section Chief of Neurology at the VA North Texas Health Care System



In person (SAMRC VC Boardroom, Building A, 2nd Floor, Cape Town) and **Online** ([click here](#))



10h00 – 11h30



**Thursday,
11 September 2025**

An update on Multiple Sclerosis Pathogenesis, Diagnosis, and Therapy

The lecture “*An Update on Multiple Sclerosis Pathogenesis, Diagnosis, and Therapy*” will provide an in-depth review of current concepts and emerging developments in translational and clinical neuroimmunology. It will explore advances in understanding Multiple Sclerosis (MS) pathogenesis, particularly the interplay between genetic susceptibility, environmental factors, and immune dysregulation involving T cells, B cells, and myeloid populations. The role of CNS-intrinsic mechanisms—such as microglial activation and chronic active lesions—in driving disease progression will be highlighted.

Diagnostic updates will cover advanced MRI techniques for lesion characterization and the potential of emerging biomarkers for disease monitoring. The lecture will also review novel therapeutic approaches across the MS spectrum, with particular attention to Bruton tyrosine kinase inhibitors (BTKi) and their potential application in non-active MS.

By integrating mechanistic insights with technological advances, the session will emphasize strategies to improve outcomes and quality of life for people living with MS.