

INTERNATIONAL LEARNING EXCHANGE SERIES

for the students of School of Biosciences,
HIMS & Allied Healthcare



Dr. Santiago Remirez

Sr. Scientist, Mitchell Centre for Alzheimer's
and Neurodegenerative Disorders, Department
of Neurology, University of Texas Health
Science Centre, Houston, USA

Date: 21.04.2026 | 10:00AM | Mode: Online

**Lecture Title: Plasma exchange therapy and role
of brain vasculature in Alzheimer disease**

Organised by School of Biosciences, SRHU





SWAMI RAMA HIMALAYAN UNIVERSITY

School of Biosciences

[Brochure Link](#)

Report on Online Guest Lecture: "Plasma Exchange Therapy and Role of Brain Vasculature in Alzheimer's Disease" under the International Learning Exchange Series (Session III) Organized by the School of Biosciences, Swami Rama Himalayan University

Date: April 21, 2026

Venue: LT-7 SBS, SRHU

Participants: Faculties, students (UG, PG, and Ph.D.)

The School of Biosciences at Swami Rama Himalayan University (SRHU) successfully organized the third session of its International Learning Exchange Series, a dedicated initiative designed to bridge the gap between regional academic learning and global scientific frontiers. The online guest lecture featured **Dr. Santiago Ramirez**, a Senior Research Scientist at the Mitchell Center for Alzheimer's Disease and Related Brain Disorders, UTHealth Houston, USA, who presented on the theme **"Plasma Exchange Therapy and Role of Brain vasculature in Alzheimer's Disease."**

The lecture provided a profound exploration of the neurovascular unit and its critical role in the pathogenesis of Alzheimer's disease. Dr. Ramirez detailed his cutting-edge research on how targeting the "periphery" specifically through plasma exchange, can mitigate the accumulation of toxic amyloid-beta proteins in the brain. He shared compelling evidence on how these innovative therapeutic interventions can potentially restore vascular integrity and slow cognitive decline, offering a fresh perspective that moves beyond traditional intra-cerebral treatments.

During the session, Dr. Ramirez, drawing from his unique background as a DVM and surgeon, discussed the complexities of translational medicine. He highlighted the importance of using advanced models and innovative approaches to better understand human disease. He encouraged students to adopt a multidisciplinary approach to scientific inquiry, emphasizing that the most impactful solutions often lie at the intersection of different biological disciplines.

The event concluded with an extensive Q&A session, where Dr. Ramirez addressed high-level technical queries regarding blood-brain barrier permeability, the "peripheral sink" hypothesis, and the challenges of translating animal model successes into human clinical practice. As the third instalment of the International Learning Exchange Series, this session reinforced the University's commitment to academic excellence by providing scholars with direct interaction with world-class researchers at the forefront of neurodegeneration studies.



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Glimpses of participant while attending the lecture

Note- If there are print media news coverage, add coloured scan copies after one page report.