

EVENT REPORT

HDL, LDL, and Cardiovascular/Alzheimer's Diseases: The Good, The Bad, and The Ugly

Date: March 13

Time: 10:00 AM to 11:00 AM

Organizer: Department of PG Biochemistry

Guest Speaker: Dr. Vasanthy Narayanaswami

Professor of Biochemistry,

California State University,

Cardiovascular and Alzheimer's Disease Researcher,

Fellow of the American Heart Association (FAHA),

Advocate for Women's Leadership and Equity in STEMM Fields.

Event Overview:

The guest talk titled "HDL, LDL, and Cardiovascular/Alzheimer's Diseases: The Good, The Bad, and The Ugly" was organized by the Department of PG Biochemistry on March 13. The event commenced with a prayer song performed by Vaishnavi and team, followed by the emcee duties carried out by Sonali. Ashok welcomed the gathering, followed by Shreya providing a brief introduction to the esteemed resource person, Dr. Vasanthy Narayanaswami.

Welcome and Introduction:

Dr. Remya Varadarajan warmly welcomed the guest with a plantlet and Dr Cletus gave a brief about the guest. Dr. Narayanaswami then took the stage to share insights into Alzheimer's disease, the roles of HDL, LDL, and VLDL, as well as their mechanisms of action. She also shared experiences from her research endeavors, enriching the audience with practical knowledge in the field.



Presentation and Interaction:

Dr. Narayanaswami commenced the session by delving into the fundamental concepts of high-density lipoprotein (HDL), low-density lipoprotein (LDL), and very-low-density lipoprotein (VLDL), elucidating their respective roles in lipid transport and metabolism within the body. She highlighted how these lipoproteins, often referred to as "good" (HDL) and "bad" (LDL) cholesterol, play crucial roles in maintaining physiological balance and how their dysregulation can contribute to the pathogenesis of cardiovascular diseases.

Moving forward, Dr. Narayanaswami transitioned into discussing the intricate interplay between lipoproteins and Alzheimer's disease, shedding light on emerging research findings and hypotheses linking lipid metabolism to the onset and progression of this neurodegenerative disorder. She provided insights into the potential mechanisms through which lipoproteins, particularly LDL and VLDL, may impact brain health and contribute to Alzheimer's pathology, emphasizing the need for further investigation in this area.

Throughout the session, Dr. Narayanaswami shared valuable insights gleaned from her own research experiences, providing real-world examples and case studies to illustrate key concepts and findings. Her expertise and depth of knowledge resonated with the audience, sparking engaging discussions and prompting thought-provoking questions from students and faculty members alike.



Guest-Student Interaction

The interactive nature of the session fostered a dynamic exchange of ideas, allowing attendees to deepen their understanding of the complex relationships between lipoproteins and disease pathogenesis. Dr. Narayanaswami's ability to distill complex scientific concepts into accessible information ensured that participants of all backgrounds could engage meaningfully with the material presented.

Conclusion:

As the session drew to a close, a vote of thanks was delivered, expressing gratitude to Dr. Vasanthi Narayanaswami for her insightful presentation and valuable contributions to the event. The guest talk concluded on a positive note, leaving the audience enlightened and inspired by the knowledge shared.

Overall, the guest talk proved to be an enriching experience, providing attendees with a deeper understanding of the complex relationship between lipoproteins and cardiovascular/Alzheimer's diseases. The event served as a platform for academic exchange and learning, contributing to the intellectual growth of all participants.



After the end of the session the teachers from many departments interacted with resource person sharing Taught and insights

