



המרכז הרפואי
שערי צדק
SHAARE ZEDEK
MEDICAL CENTER



Computational Medicine Neurobiology Theme Day

Room 2004, Edmond and Lily Safra Center for
Brain Sciences (ELSC), Safra Campus,
The Hebrew University of Jerusalem

Wednesday, February 12th, 9:00-12:00

9:00-10:20 **Moran Yassour** - Opening Remarks

Tamir Ben Hur - How do modifiable risk factors affect Alzheimer's disease pathogenesis

Naomi Habib - Coordinated neuro-glial dynamics shaping neuronal degeneration in aging brains

Aviv Mezer - Investigating brain microstructural alterations associated with neurodegenerative diseases using MRI, with a specific emphasis on Parkinson's disease

10:20-10:45 **Coffee Break**

10:45-12:00 **Abed Mansour** - Advanced stem cell-based models for studying neuroinflammation in health and disease

Yuval Hart - Pareto optimality, trade-offs, and paths for neurodegeneration and neurodegenerative diseases

Shahar Arzy - The past and future of Alzheimer's disease: from a deterministic disease to a heterogeneous, multifactorial and multifaceted disorder