



UNIVERSITÀ
DI PAVIA



Università degli Studi di Pavia

Dipartimento di Biologia e Biotecnologie

“Lazzaro Spallanzani”

Venerdì 25 Ottobre 2024

Aula Buzzati Traverso, 1 p.m.

Dipartimento di Biologia e Biotecnologie

Role of the mTOR-downstream effector S6K in Tuberous Sclerosis Complex Neurological Manifestations

Stefano Fumagalli,
Director of Research INSERM,
Institute Necker Enfants Malades (INEM), Paris

Tuberous sclerosis complex (TSC) is a disease caused by constitutive activation of the mTOR pathway. The presentation will concentrate on the contribution of the mTOR downstream effector S6 kinase (S6K) in a mouse model of the disease and on the role played by one of its substrates, the potassium channel TREK1, in the neurological manifestation of TSC.