

INSTITUT PASTEUR

DEPARTMENT OF STRUCTURAL BIOLOGY AND CHEMISTRY

SEMINAR

Tuesday, 21 November 2023 at 2.00 pm

Retrovirus room, Lwoff building

Mark I. Greene, M.D., Ph.D. FRC

Eckman Professor of Medical Science

University of Pennsylvania, USA

**“Structural features and Biology, leading to therapy of
p185^{HER2/neu}-EGFr transformed cells”**

Invited by Pedro Alzari

Abstract: Dr. Greene's research is concerned with defining the principles of receptor function, with a particular interest on members of the erbB gene family. In this context, his laboratory discovered several years ago that the Epithelial Growth Factor receptor (EGFr) can associate with a 185 kDa transmembrane tyrosine kinase encoded by the *neu* protooncogene to form heteromeric assemblies in malignant cells. More recently, he developed approaches to target and down-modulate these oncoproteins for cancer therapies.