

CONFERENCE

Dans le cadre du programme
Ambassadeur CNRS chimie 2024

Nous avons le plaisir d'accueillir à Strasbourg
Prof. Kevan Shokat
UCSF

Vendredi 15 Novembre
Faculté de Pharmacie
14 h - Amphi Métais

Overcoming the Undruggable Nature of the Most Common Oncogene K-Ras

Pioneering chemical genetic the Shokat lab uses **chemical genetics** to study and target signaling proteins, with the aim of finding new ways to treat human diseases. Many projects in the lab have focused on kinases, GTPases and RNA helicases, including some of the most important proteins in cancer, such as mTOR, Ras and CDK4.

Chemical genetics combines the timing and dose control of small molecules with the absolute specificity of genetics. Small molecules are invaluable tools for studying proteins, but it can be hard to find one that targets a single member of a family of proteins. We take advantage of the chemical difference that results from a mutation to allow us to target a protein specifically, leaving other similar proteins untouched.