NMR Fragment Based Screening against RNAs:
Examples of Successful Hit Finding Projects

<u>Kamal Azzaoui</u>

Saverna Therapeutics

Our main goal at Saverna Therapeutics is to discover and develop new molecules for therapeutic areas such inflammation and infectious diseases. We use a platform based on Iterative Fragment Screening using Nuclear Magnetic Resonance coupled with sophisticated Machine Learning techniques to identify drug like small molecules targeting none coding RNAs. During this talk, I will give an overview about the RNA drug discovery projects we have initiated with our academic partners, SMEs and Pharma partners targeting RNAs. I will highlight which fragment features can lead or not, to binding event and how to maximize the chances to find lead like small molecules targeting RNAs.