

第11回 RcMcD 融合研究セミナー (5研究科共同セミナー)

演 題：Structure-Based Drug Discovery in pharmaceutical industry

講演者：半沢 宏之先生

(第一三共 RD ノバーレ株式会社 生物評価研究部 構造生物グループ長)

日 時：平成 28 年 1 月 22 日 (金) 16：20～17：50

場 所：広島大学先端物質科学総合研究棟 401N 講義室

【Abstract】

Small molecule Drug discovery start with the search for the biological active compound against the disease-relevant target proteins, which is followed by the intensive optimization by medicinal chemists. Thanks to the advance in Structural biology, information/technology on the three dimensional structure of the protein has become one of the key discipline both in lead discovery and lead optimization process. In this presentation, I will describe how we are taking advantage of the structure biology such as crystallography and computer simulation in pharmaceutical industry and also would like to discuss difficulties we expect to overcome in the near future.