

NIH Anton Simeonov 博士 講演会

The National Center for Advancing Translational Sciences:

A Collaborative Vehicle to Catalyze Academic Lead Discovery

日 時 : 2013年 1 月 21日(月) 13 : 15~14 : 15

場 所 : 東京大学・薬学部・講堂 (薬学系総合研究棟 2 階)
アクセスマップはこちら

参加費 : 無料 (事前申し込み不要)

The National Center for Advancing Translational Sciences:
A Collaborative Vehicle to Catalyze Academic Lead Discovery

**Presenter: Anton Simeonov, Ph.D., Branch Chief, Chemical Genomics,
National Center for Advancing Translational Sciences, National Institutes of Health (NIH)**

Abstract: The extraordinary diversity of targets being pursued by the US National Institutes of Health (NIH) Molecular Libraries network of screening and probe development centers stems from its mission to make accessible the technologies of high throughput screening and chemistry optimization, developed primarily in the biopharmaceutical industry, to academic investigators. The focus on targets and diseases that are currently “undrugged” (i.e., for which no chemical modulator exists) and the need to generate large datasets for public use has had a considerable impact on the selection of assay technologies and has frequently resulted in de novo assay design in order to address previously inaccessible targets. A description of our operations will be presented, focusing on the use of advanced assay and chemistry technologies to address the wide range of screening needs associated with the novel targets studied in academic settings. Case studies will be presented which include over a dozen assays for targets implicated in genome maintenance and DNA repair, post-translational modifications, and metabolic regulation/signaling. Further, examples will be provided of successful validation of select small molecule modulators through biophysical methods and in advanced biological models.

主 催 東京大学 創薬オープンイノベーションセンター

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