Contribution ID: **242** Type: **Talk**

Characterization of protein family wide chemical probe and chemogenomics sets by structure based hit finding and development

Thursday, 17 March 2022 10:20 (20 minutes)

During this decade, protein crystallography has immensely increased the speed of structure determination, allowing now using this high resolution technology for experimental fragment screening and hit optimization. At the same time, family wide structural genomics efforts elucidated molecular details of entire protein families including the main drug target families such as protein kinases, phosphatases, proteases and others.

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Session Classification: COVID-19 Research