

# COVID MOONSHOT

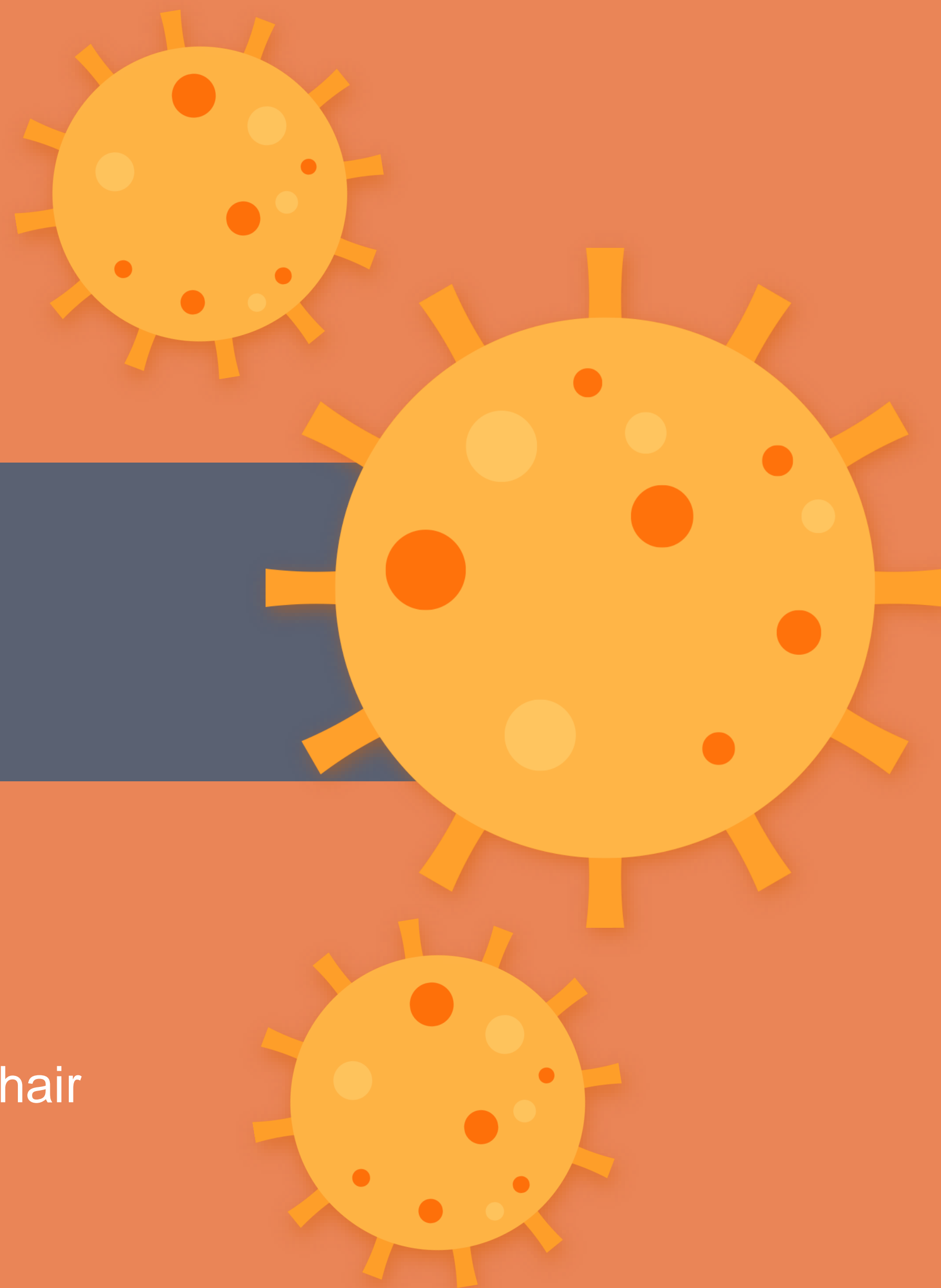
Crowdsourcing a COVID-19 cure

Nir London

Incumbent of the Alan and Laraine Fischer Career Development Chair

Dept. of Organic Chemistry

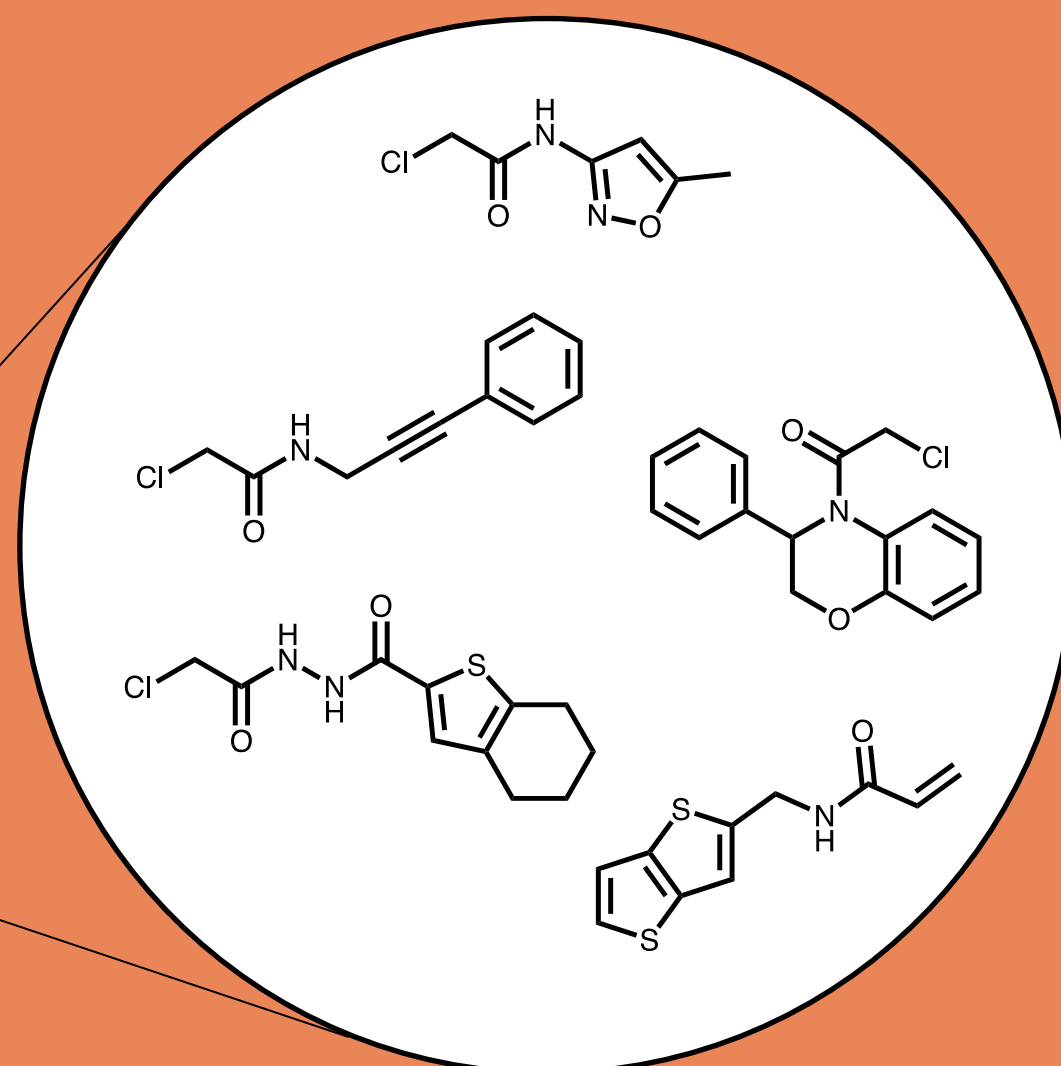
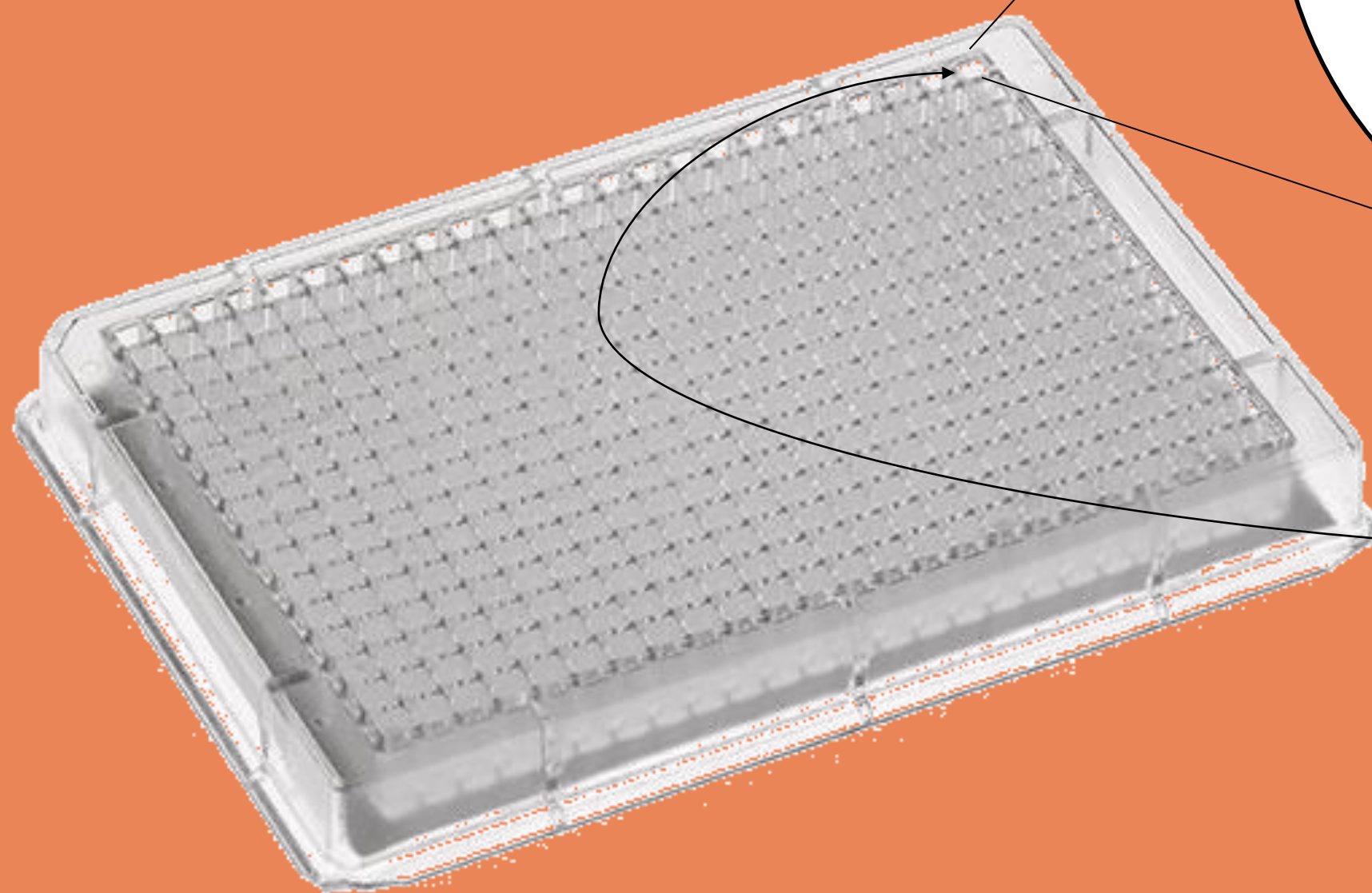
The Weizmann Institute of Science



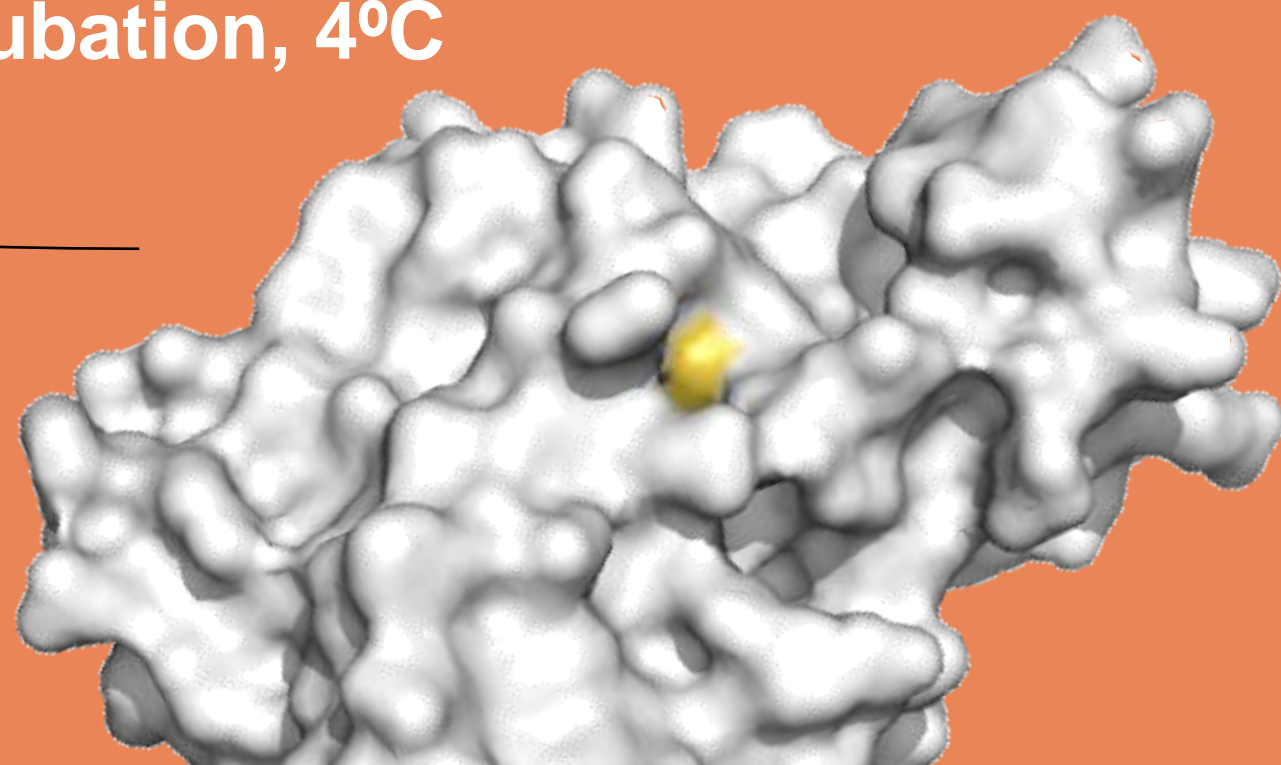
# Electrophilic fragment screening



200 Wells  
X 5 compounds per well  
200  $\mu$ M of each



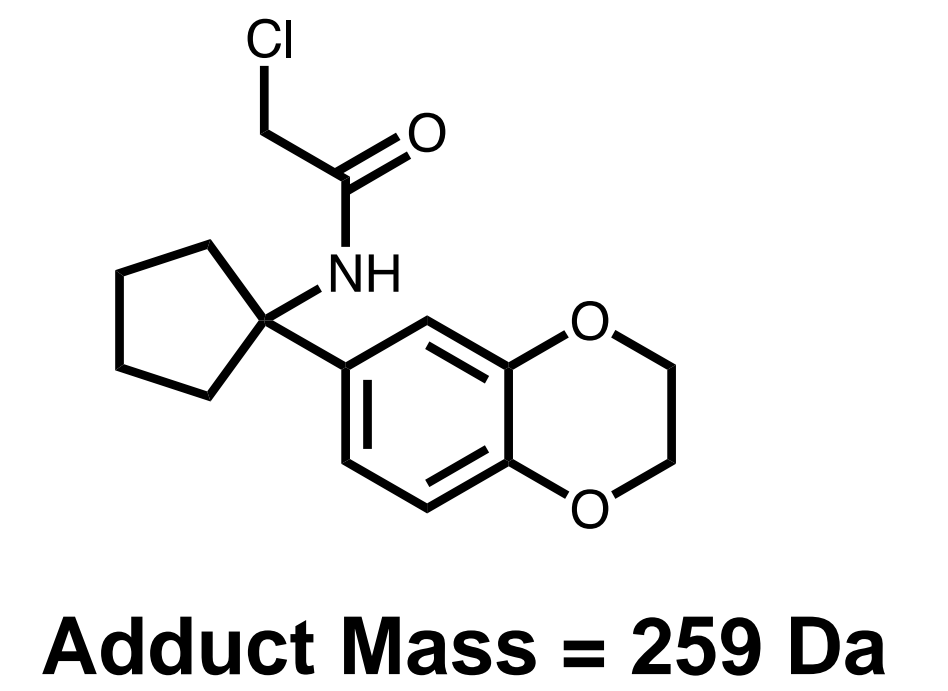
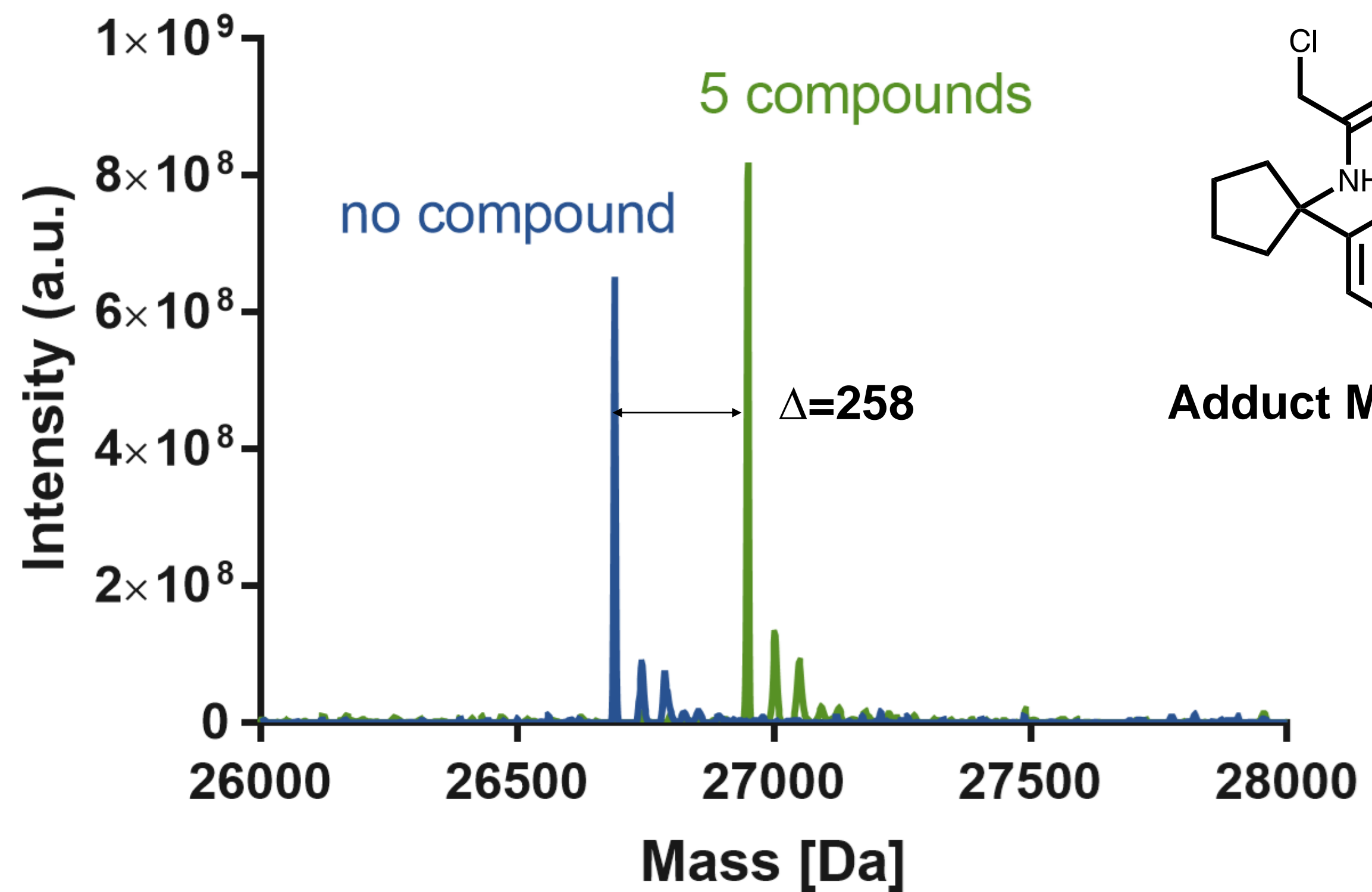
24h incubation, 4°C

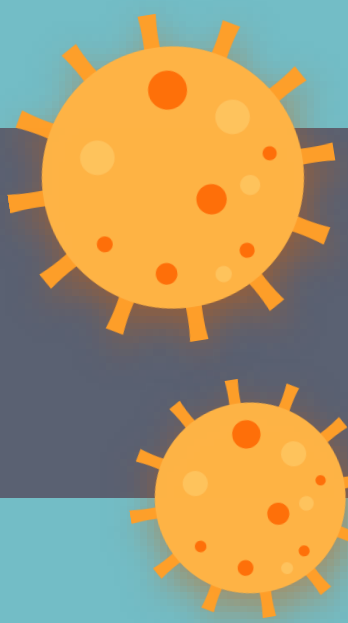


Intact Protein  
Mass Spectrometry

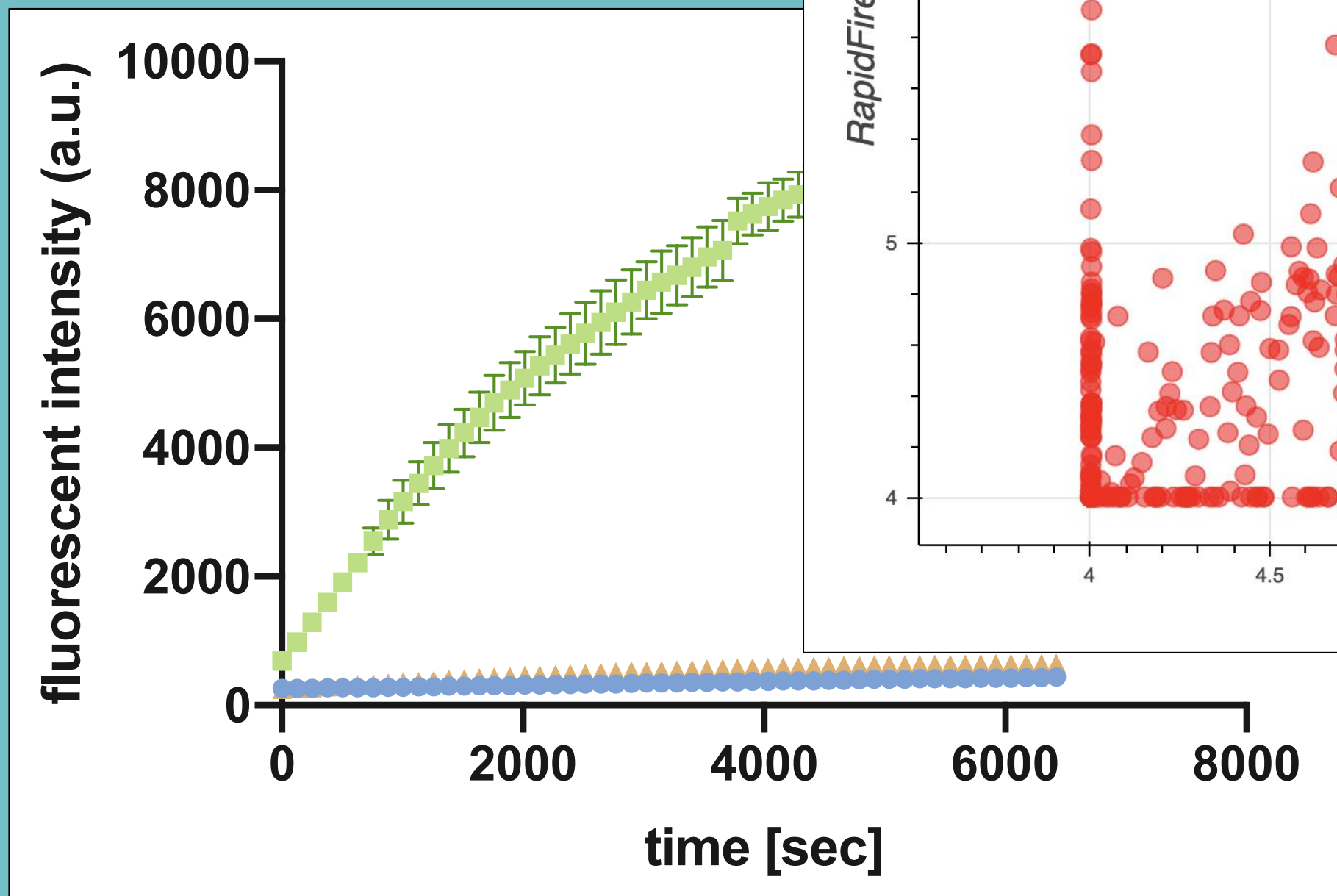
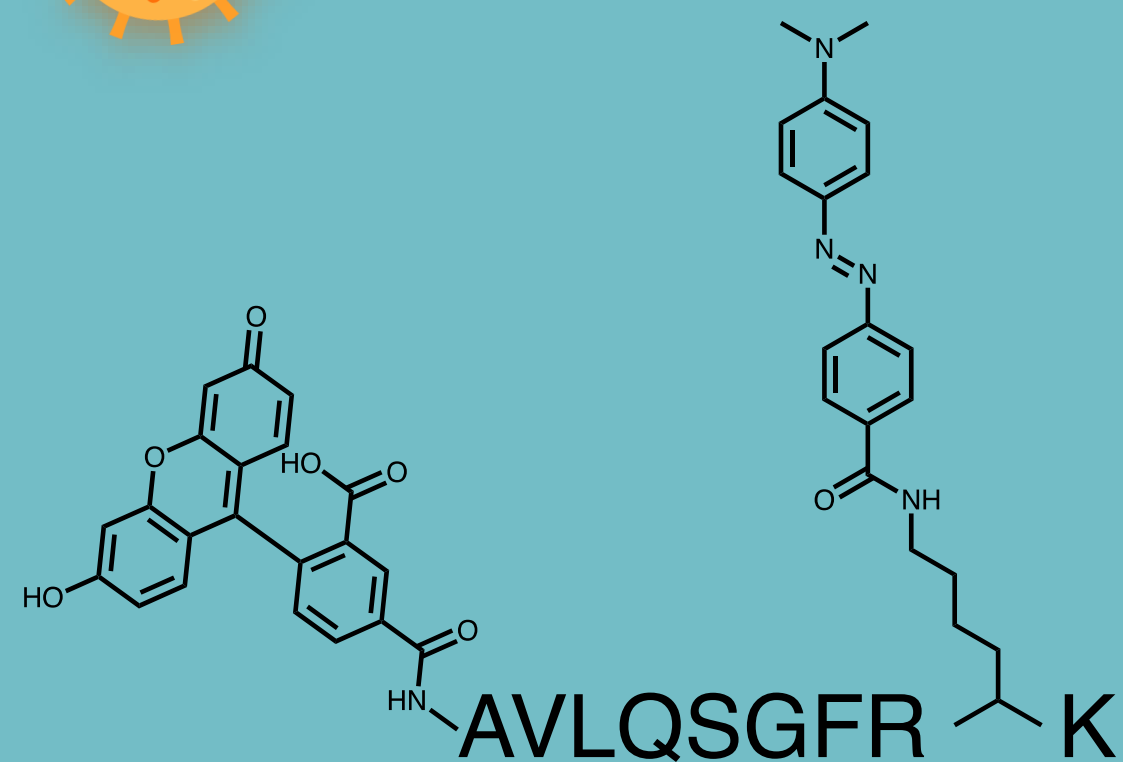


# Intact protein mass-spectrometry

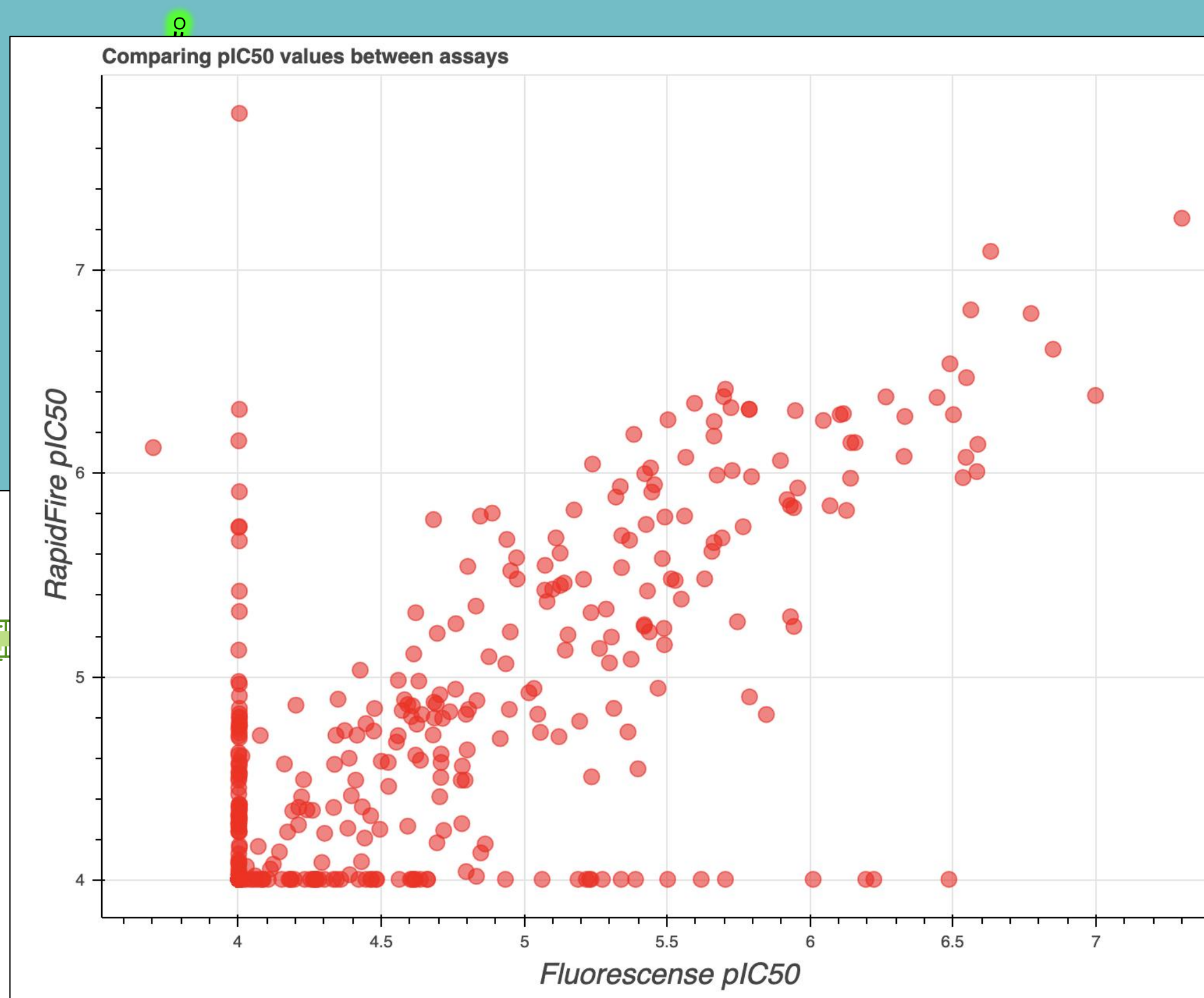




# Protease Activity Assay



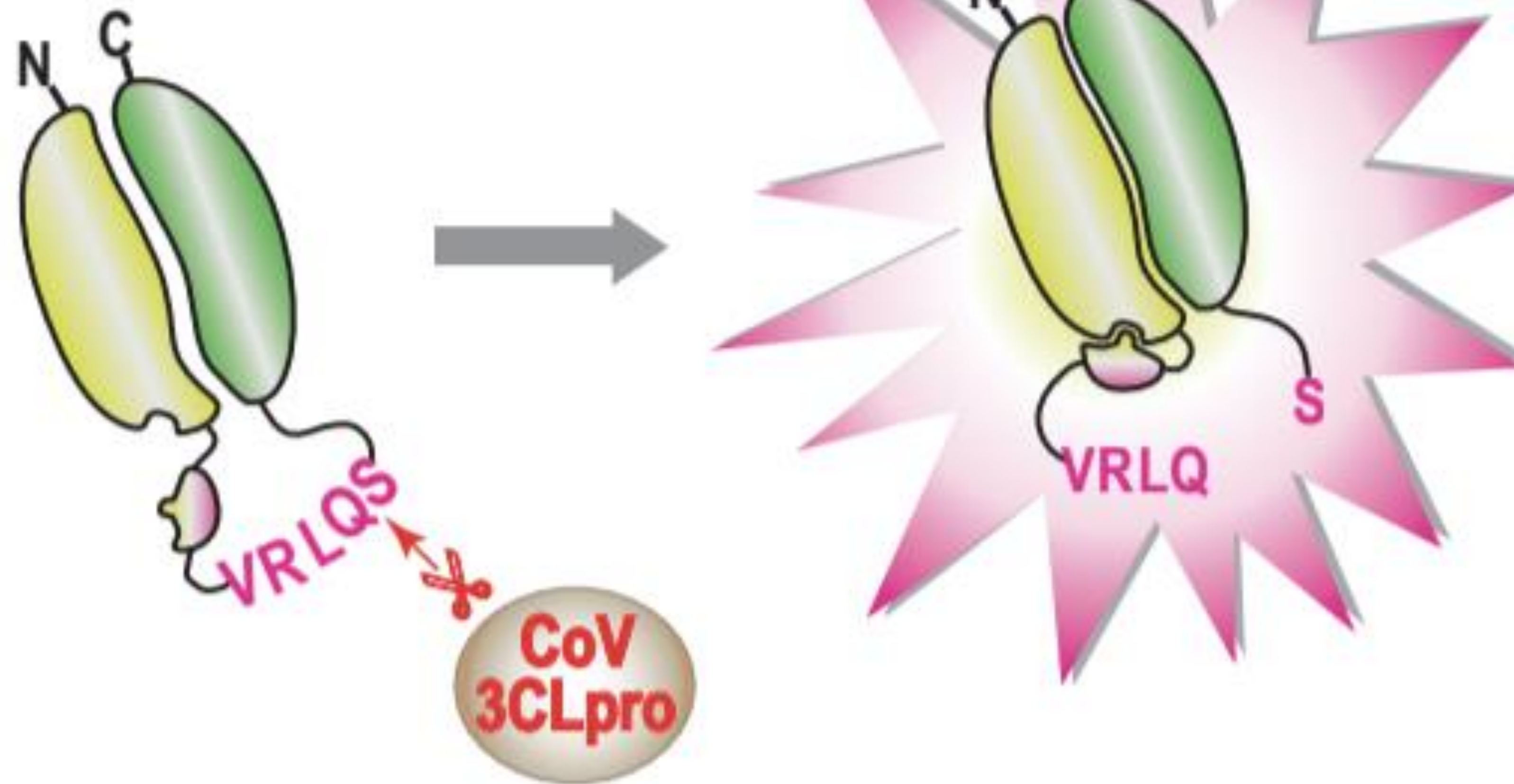
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Ronen Gabizon



**B**



3CLpro substrate: N'-C-term Fluc NGS**VRLQSSLK** N-term Fluc-C'  
(pGlo-VRLQS)

# Acknowledgments

## The London Lab

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