

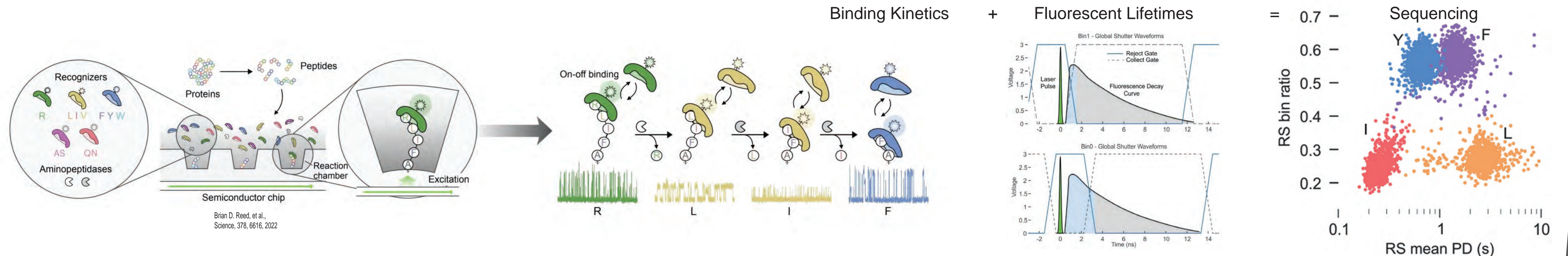


# Enzymatic Addition of Azides to C-termini for Single-Molecule Sequencing

Edgar Manriquez-Sandoval, Yilin Shen, & Stephen D. Fried

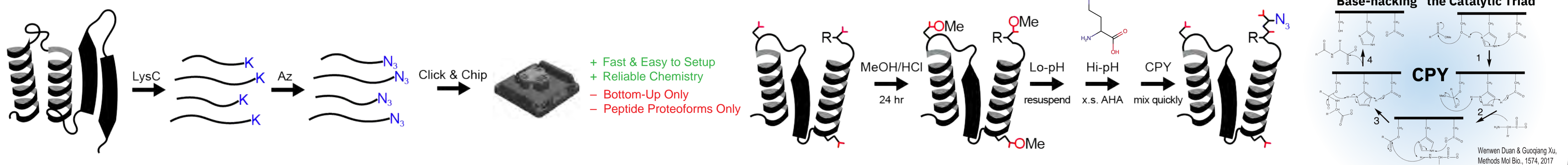
Department of Biophysics, Johns Hopkins University, Baltimore, MD, USA

## Next-generation Protein Sequencing Utilizes N-terminal AA Recognizers To Decode Peptide Sequences

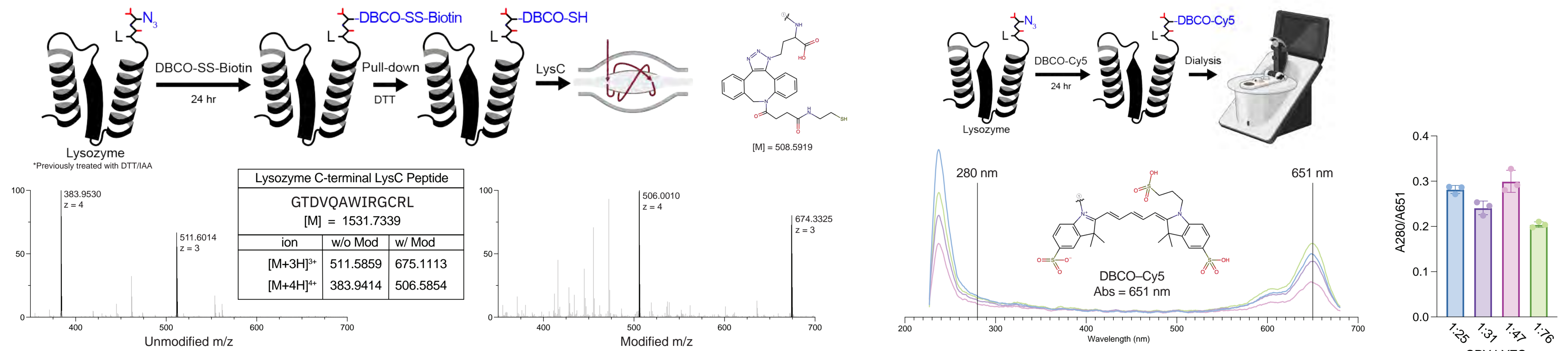


## Sequencing Runs Are Limited To LysC Peptides

## C-terminal Azidation Could Eliminate This Barrier



## Enzymatic Azidation of Lysozyme C Determined by Mass Spectrometry and UV-Vis Spectroscopy



## Enzymatic Additions of C-terminal Azides to Polypeptides (ENZ-A-CAP) on Quantum-Si Platinum

