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Computational Design of Novel Insulin Degrading Enzyme Inhibitors

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Sullivan, Todd J.; Bondela, Sushma Sree; Tamma, Naveena; Cingolani, Brad; O'Neill, Andrew; Finelli, Alec; Alper, Benjamin; and Audie, Joseph, "Computational Design of Novel Insulin Degrading Enzyme Inhibitors" (2018). *Academic Festival*. 146. https://digitalcommons.sacredheart.edu/acadfest/2018/all/146

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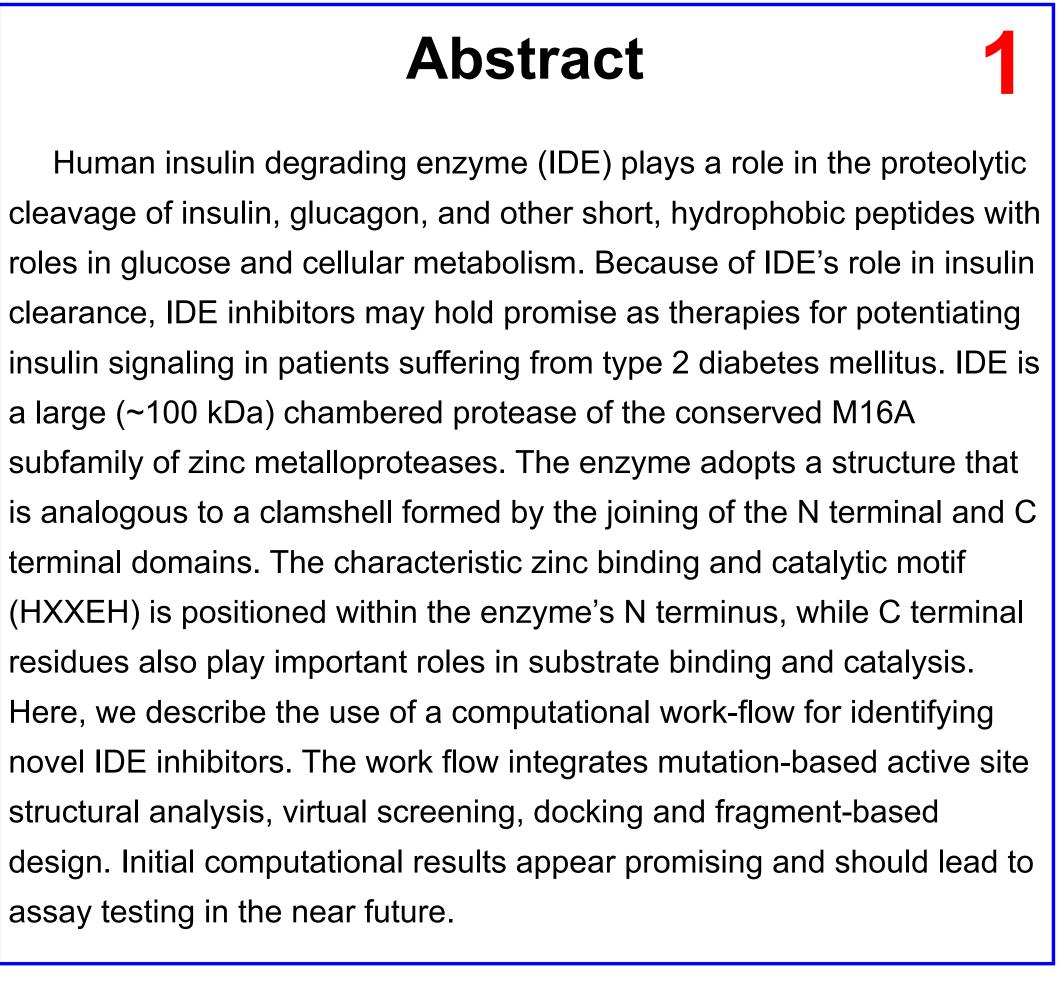
First and Last Name/s of Presenters

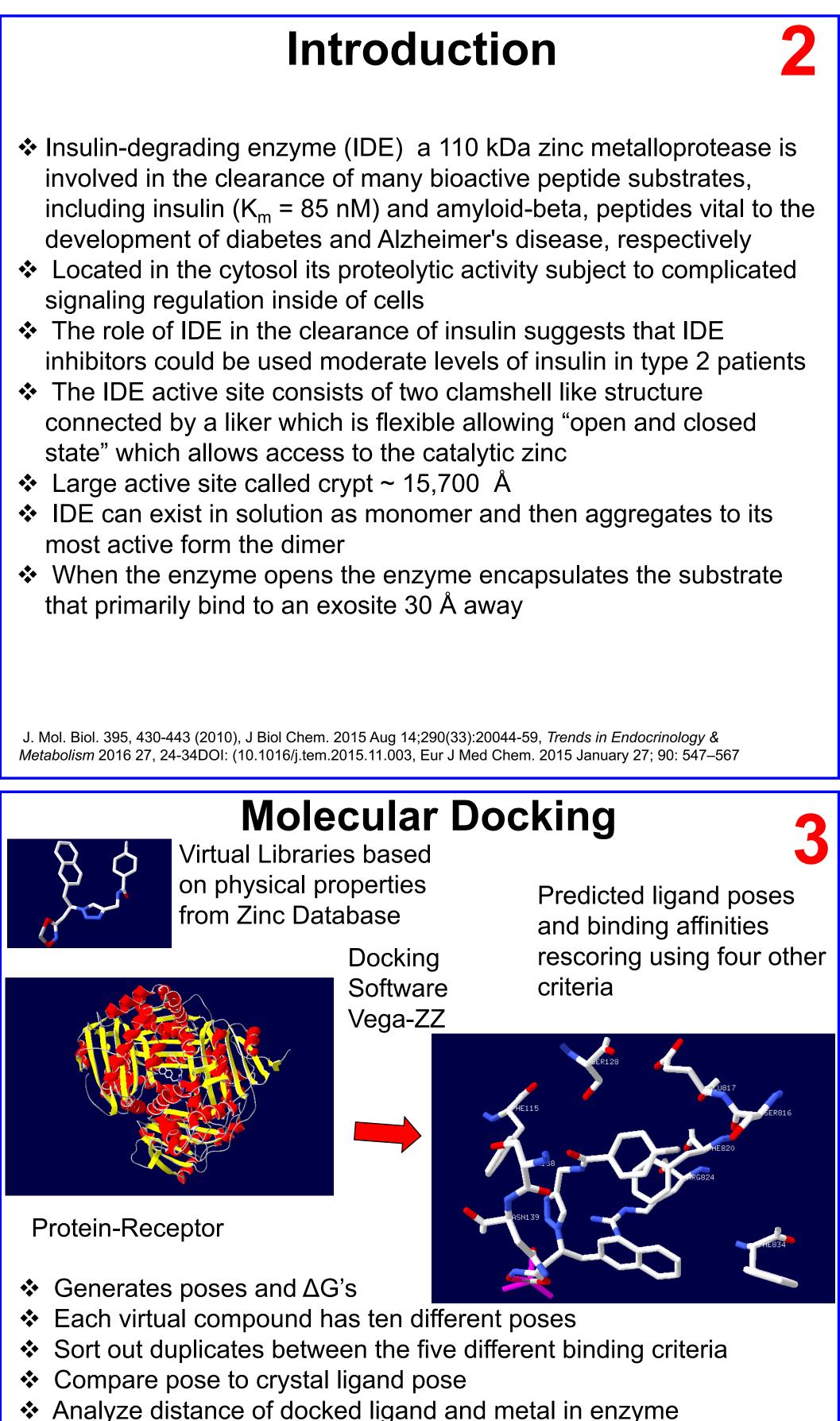
Todd J. Sullivan, Sushma Sree Bondela, Naveena Tamma, Brad Cingolani, Andrew O'Neill, Alec Finelli, Benjamin Alper, and Joseph Audie





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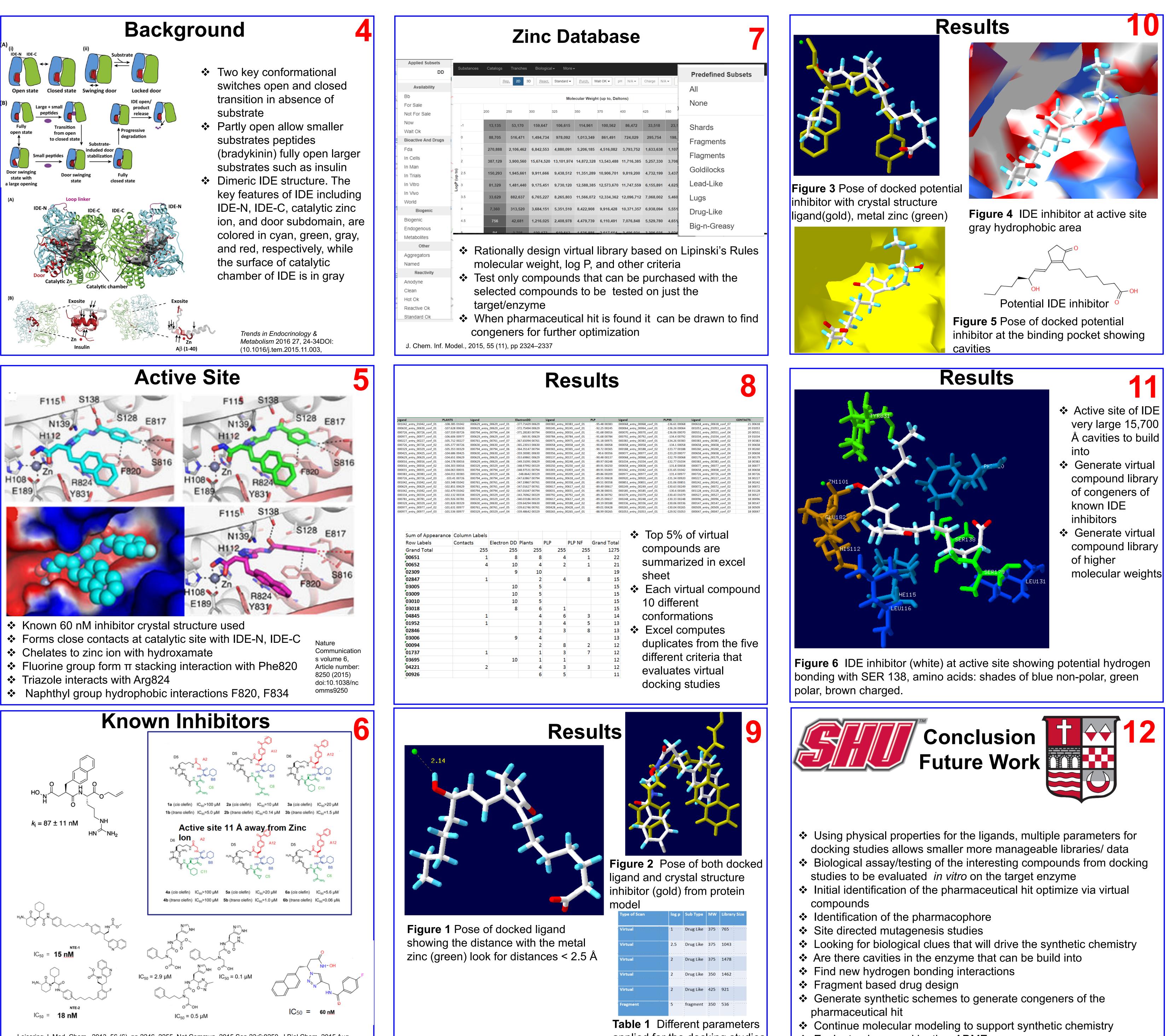


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- Look for hydrogen bonding interactions
- Analyze fit in binding pockets look for cavities in enzyme
- Look for acceptable pose buy compound test on *in vitro* assay Generate pharmacological hit

Computational Design of Novel Insulin Degrading Enzyme Inhibitors

ullivan et al.: Computational Design of Novel Insulin Degrading Enzyme Inl



Leissring, J. Med. Chem., 2013, 56 (6), pp 2246–2255, Nat Commun. 2015 Sep 23;6:8250, J Biol Chem. 2015 Aug 14;290(33):20044-59, Eur J Med Chem. 2015 January 27; 90: 547–567, Nature volume 511, pages 94–98 (03 July 2014) applied for the docking studies



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