

**1/16/2020 Week 1 Module 2**

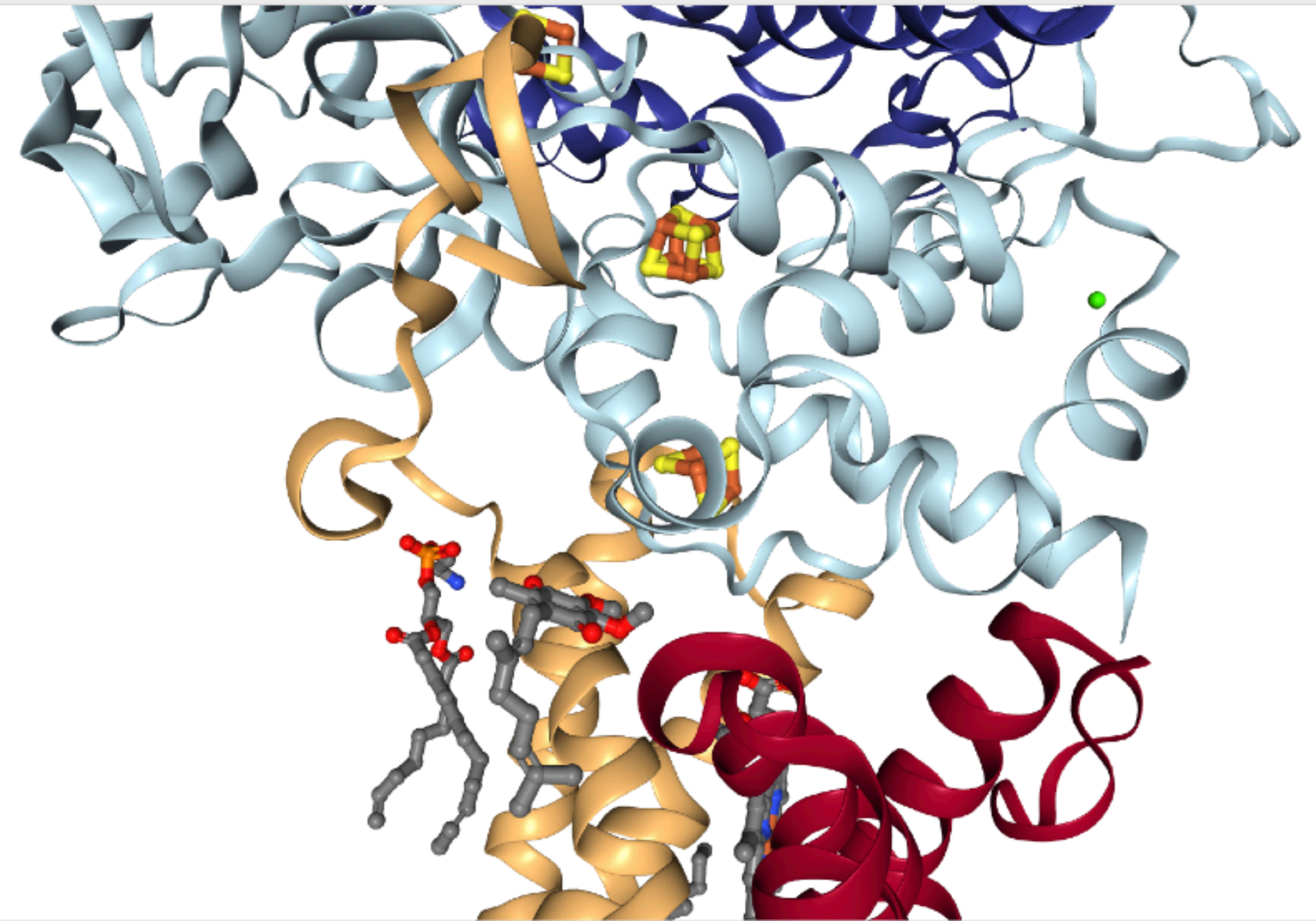
**Interactive Exercise: Using Databases  
to Evaluate an SBDD Target**

- I've been working with Oscar Juarez on discovering inhibitors for Complex II, a.k.a. Succinate Dehydrogenase (SDH), from *Pseudomonas aeruginosa*
- The structure of E. Coli SDH has been solved at a resolution of 2.6 Å
- Subunit B (cyan) has Iron-Sulfur centers
- We are targeting the ubiquinone site at the interface of subunits B, C (yellow), and D (red)

## 1NEK

Complex II (Succinate Dehydrogenase) From E. Coli with ubiquinone bound

Note: Use your mouse to drag, rotate, and zoom in and out of the structure. Mouse-over to identify atoms and bonds. [Mouse controls documentation.](#)



Spin ? Center ? Fullscreen ? Screenshot ? Perspective Camera White background Focus ? 0