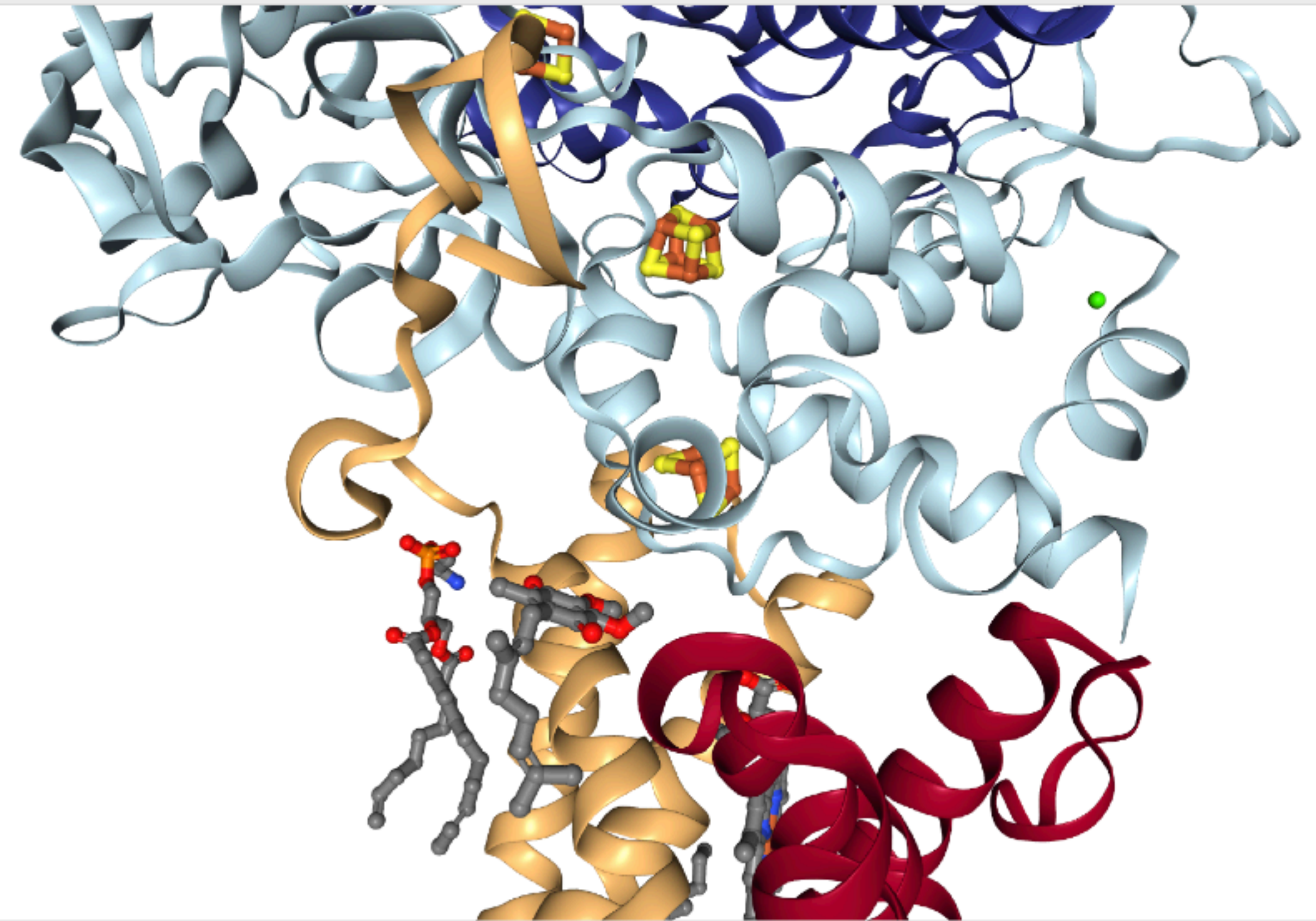


- I've been working with Oscar Juarez on discovering inhibitors for Complex II, a.k.a. Succinate Dehydrogenase (SDH), from *Pseudomonas aeruginosa*
- The structure of E. Coli SDH has been solved at a resolution of 2.6 Å
- Subunit B (cyan) has Iron-Sulfur centers
- We are targeting the ubiquinone site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


- We think it's a good drug target but I want to see what the online databases suggest
- First, let's try TDR targets (<https://tdrtargets.org>). It is possible that an SDH drug for *P. Aeruginosa* may also work on some neglected tropical diseases.



Leverage diverse datasets to facilitate drug discovery for neglected disease pathogens

TDR Targets functions both as a **website** where you can look for information on targets, drugs and/or bioactive compounds of interest, and as a **tool** for prioritization of targets in whole genomes.

The name of the database includes the initialism 'TDR' for Tropical Disease Research, a special programme within the World Health Organization.



**Target search**  
Look for information on targets of interest. Prioritize targets in whole genomes.

Targets »

**Drug search**  
Search for drugs and potential drug-target relationships. Explore bioactivities.

Drugs! »

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TDR Targets Development Release v6.7, Revision: 1513 (29.Nov.2019)  
Contact Us: <info at tdrtargets.org>

