

1/16/2020 Week 1 Module 2

Selecting a Target for SBDD

- This module will consist of a lecture interspersed with discussions, an interactive database search exercise, and a review

- At the end of this module, you should be able to address the question of what is necessary and what is desirable for a biological macromolecule to be a suitable target for structure-based drug design.
- What is necessary/desirable about the physiological role?
- What is necessary/desirable about the structural properties?
- What are some business considerations that pharmaceutical companies use to decide whether to develop a drug for a particular target?

- You should also know about some databases that you can use to help find a suitable target for SBDD



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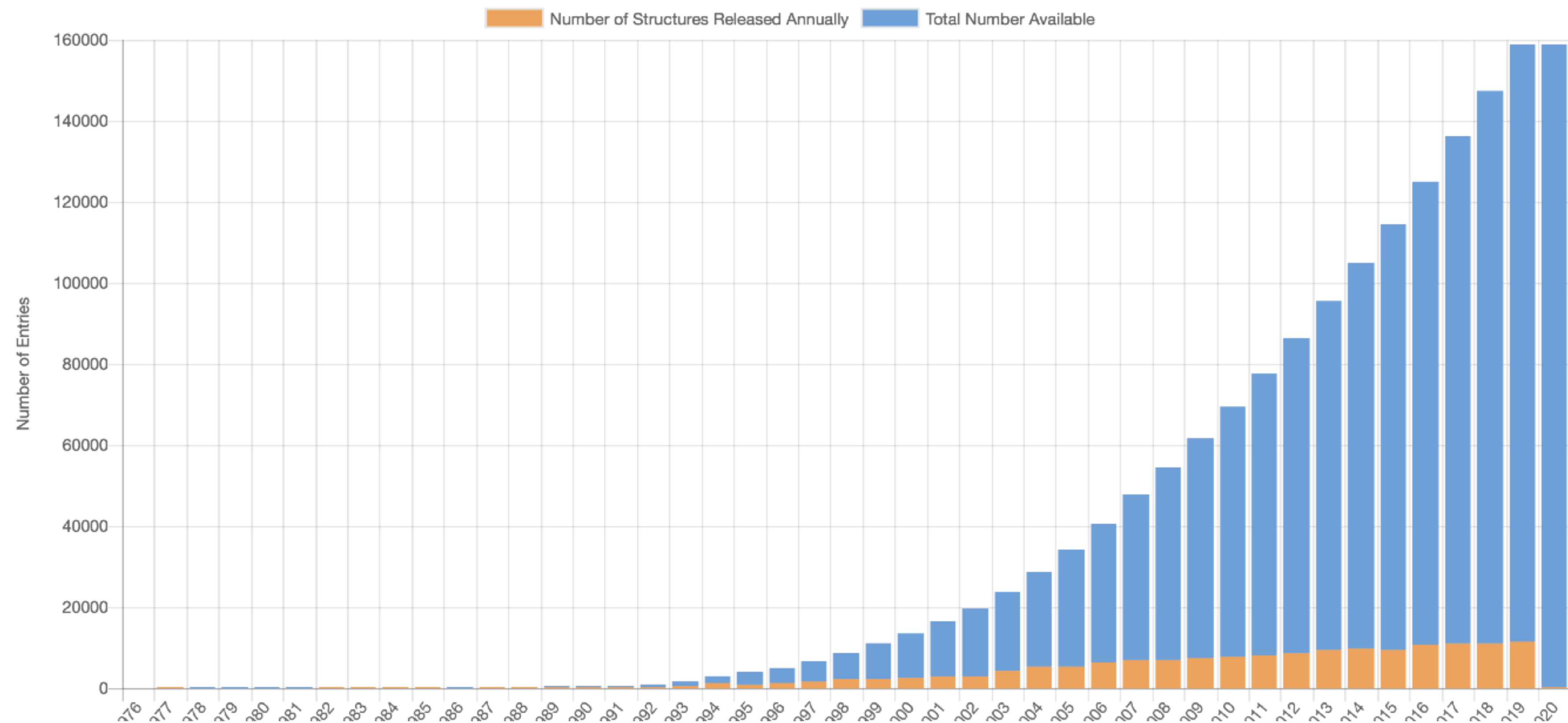
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The exponential growth of biomacromolecule structures is an opportunity for SBDD

PDB Statistics: Overall Growth of Released Structures Per Year

Other Statistics ▾



<https://www.rcsb.org/stats/growth/overall>