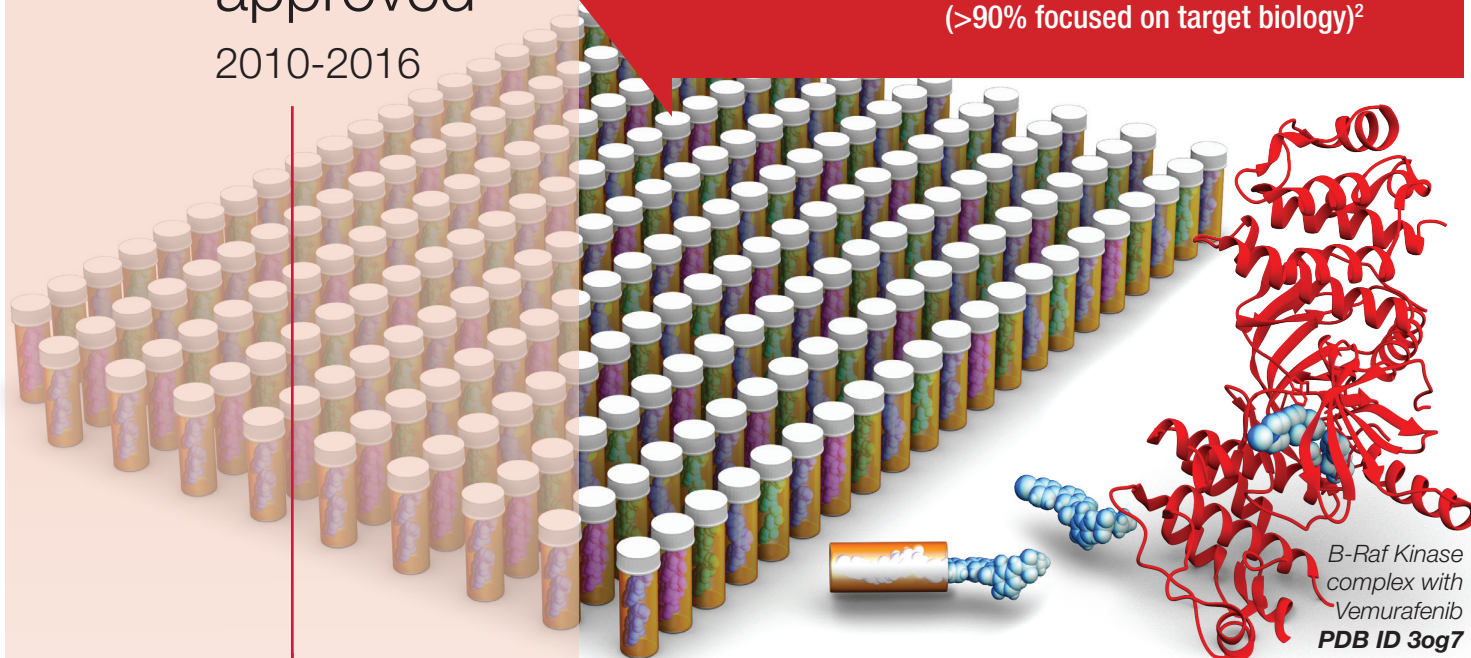


Impact of PDB Structures on US FDA Drug Approvals 2010-2016¹

2000-2016

210 NEW DRUGS
approved
2010-2016

>\$100 BILLION of NIH funding
contributed to these approvals
(>90% focused on target biology)²



5,913 PDB Structures contributed to **184** of these drugs

US FDA New Molecular Entities (NME) Approvals (2010-2016)

59	Anti-neoplastic
31	Anti-infective
21	Cardiovascular
21	Central Nervous System
7	Endocrine
6	Gastrointestinal
21	Immunologic
26	Metabolic
13	Respiratory
4	Miscellaneous

PDB Target and Target Biology Structures

1,325
1,354
1,261
486
627
45
861
315
663
35

US FDA NME Approvals with PDB Structures (2010-2016)

55
27
16
18
7
5
19
23
11
3

1. How Structural Biologists and the Protein Data Bank Contributed to Recent FDA New Drug Approvals (2018) *Structure* **27**: 211-217 doi: 10.1016/j.str.2018.11.007

2. Galkina Cleary *et al.* (2018) *PNAS* **115**(10):2329-2334