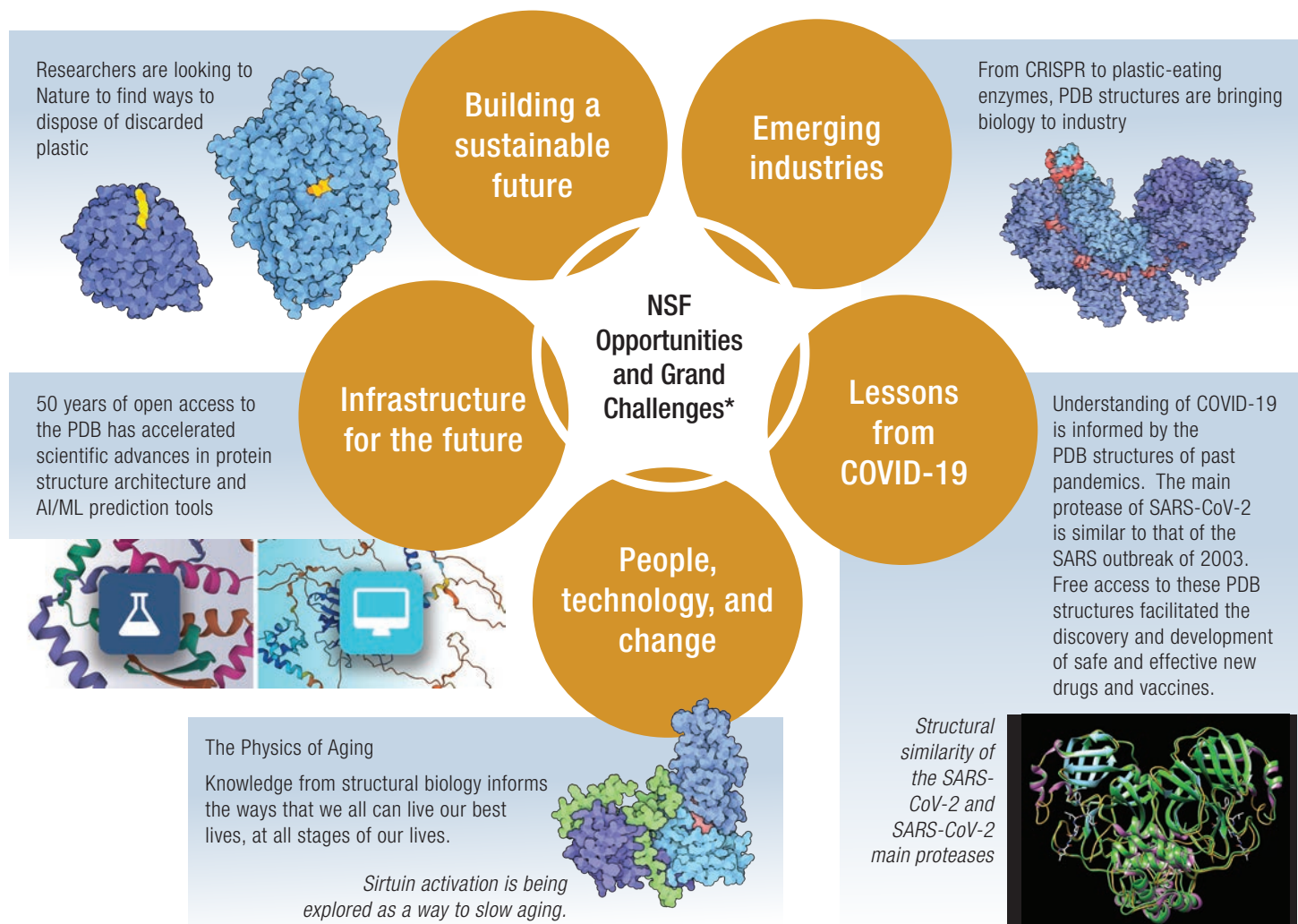


# Supporting the *Opportunities and Grand Challenges* of the NSF

RCSB.org data and services provide infrastructure for new ideas in research



## Supporting the Goals of the NSF

### Empower

- RCSB PDB is committed to training, supporting, and empowering a diverse community of researchers and future scientists

### Discover

- RCSB.org tools drive research across all NSF directorates, illuminating biology from Agriculture to Zoology
- PDB structures aid understanding societal challenges, such as Emerging Infectious Diseases and Life on a Warming Planet
- CryoEM resolution revolution and predicted protein structures are advancing the frontiers of research

- RCSB PDB accelerates data-intensive research through advanced cyberinfrastructure
- Structural biology provides foundational knowledge into the rules that make life work

### Impact

- RCSB PDB safeguards structural biology data generated with NSF funding of more than half a billion dollars worth of NSF data over the lifetime of the PDB
- PDB structures have contributed data to >1 million published research papers

\* [www.nsf.gov/pubs/2022/nsf22068/nsf22068.pdf](http://www.nsf.gov/pubs/2022/nsf22068/nsf22068.pdf)