




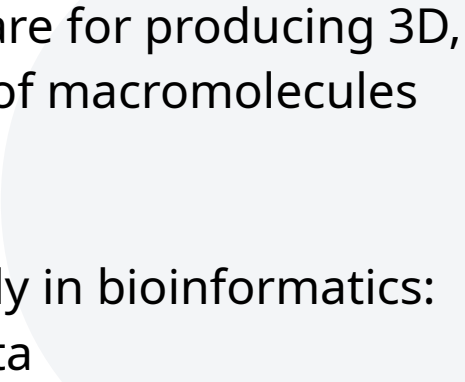
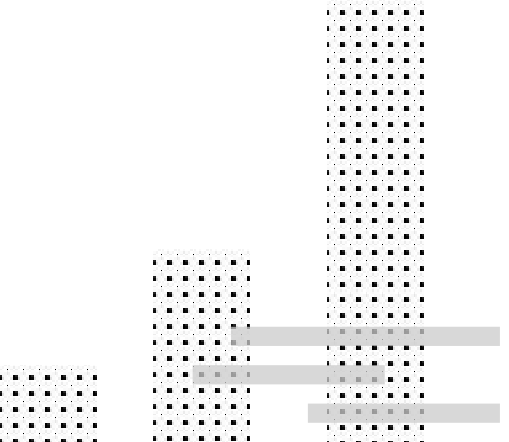
Introduction to Molecular Visualizing in PyMol

Institute for Computing in Research

Anusha Dudella
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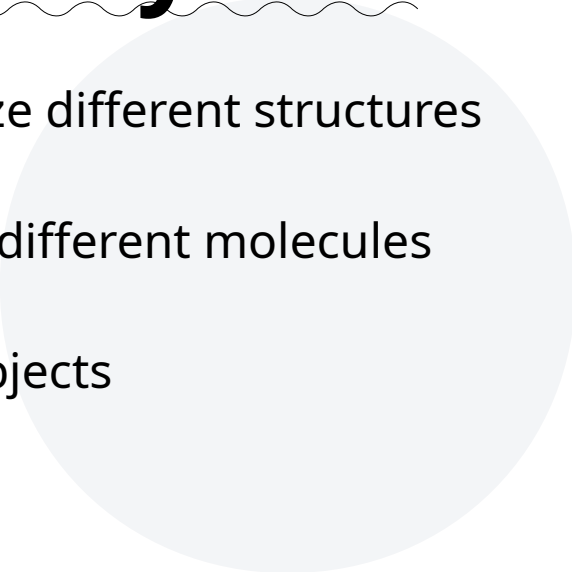
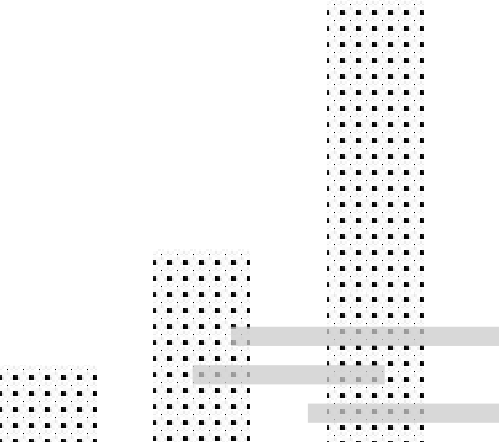


What is PyMol?

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- Open source software for producing 3D, high-quality images of macromolecules (ex: proteins)
 - PyMol is used mainly in bioinformatics: storing biological data
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Features of PyMol

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- Analyze and visualize different structures
 - Work with multiple different molecules
 - Edit and build on objects

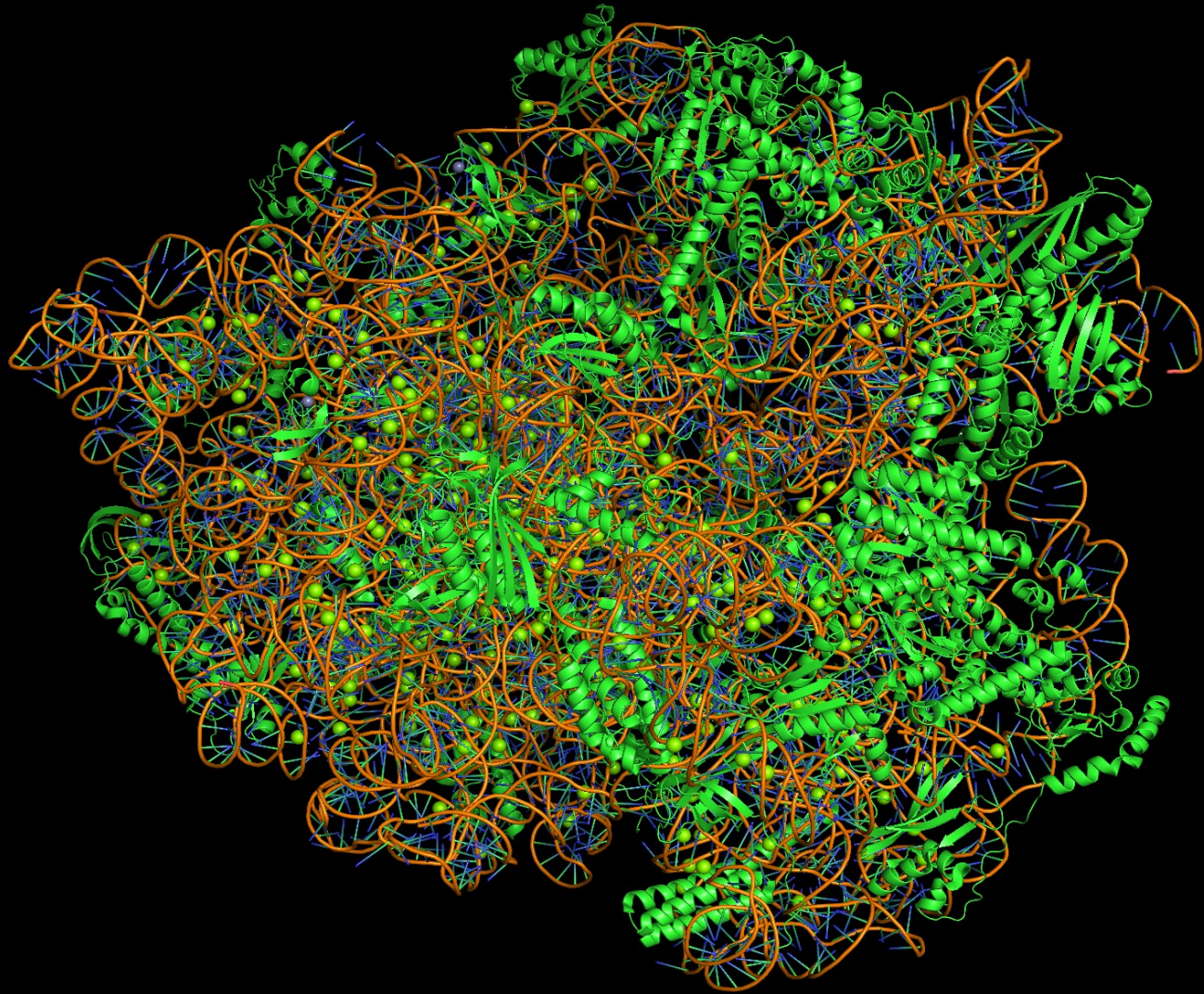


In order to generate..

- Go to protein databank
(<https://www.rcsb.org/docs/general-help/identifiers-in-pdb>)
- Search up the macromolecule
- Get the identifier number – unique 4 digit code for each molecule
- “fetch <identifier number>”

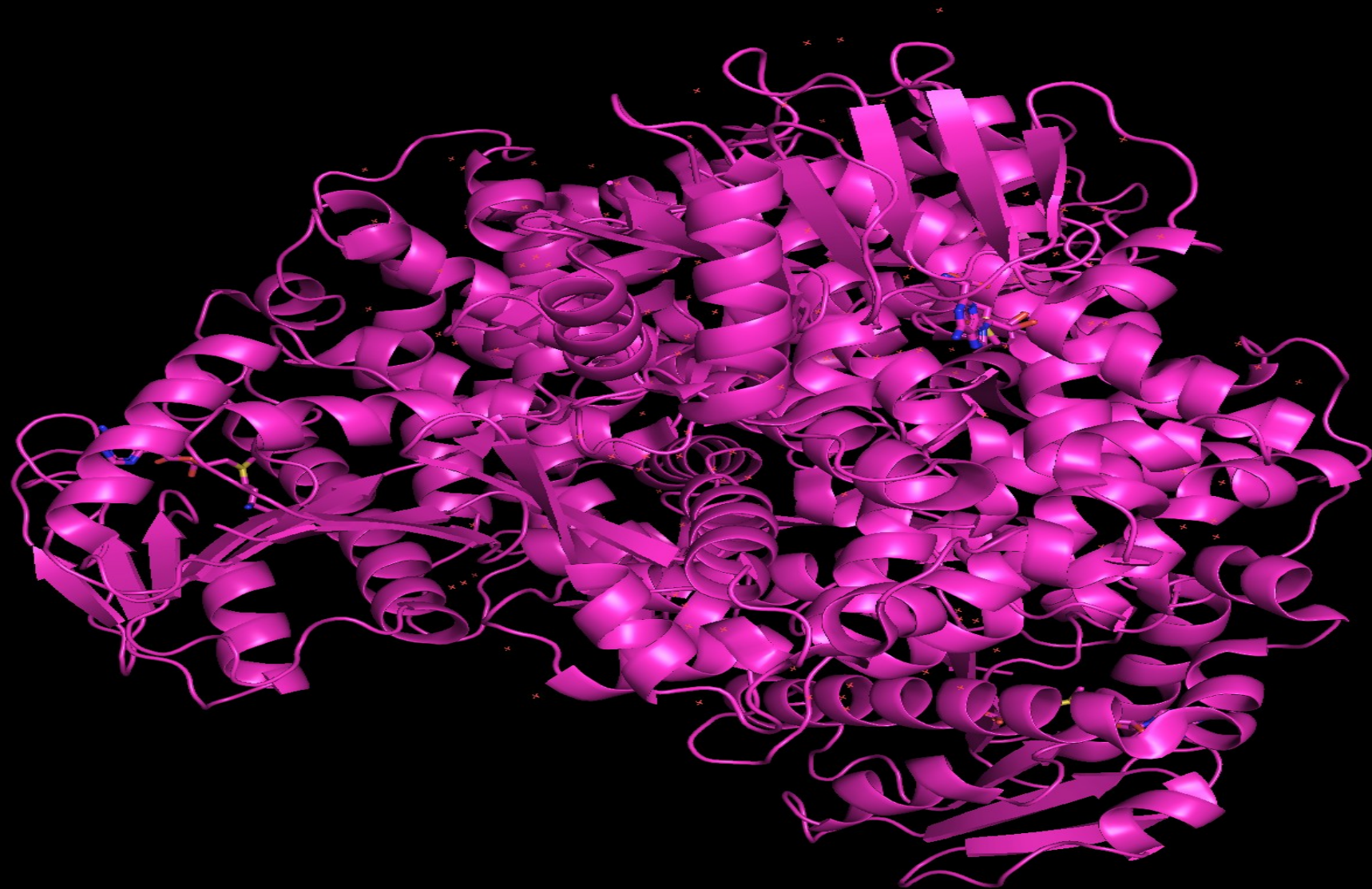


Acne



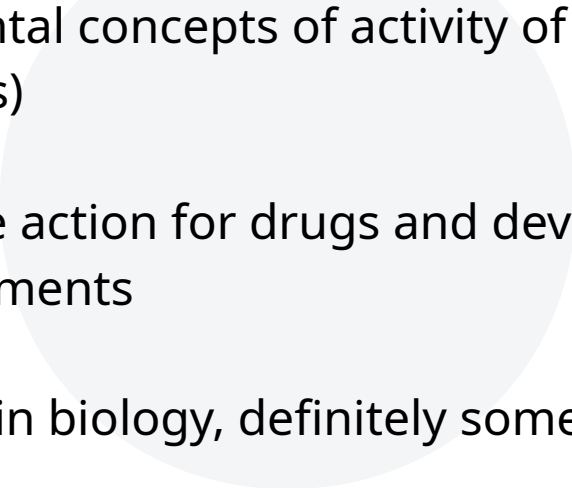
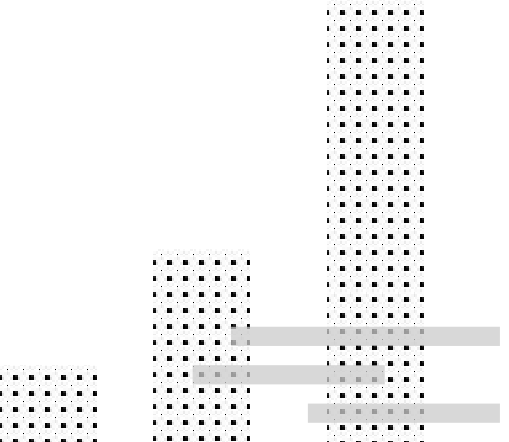


Caffeine





Implications of PyMol

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- Elucidate fundamental concepts of activity of molecules (helpful for biologists)
 - Potential preventive action for drugs and development of new kinds of treatments
 - If you're interested in biology, definitely something to look into



Thanks!