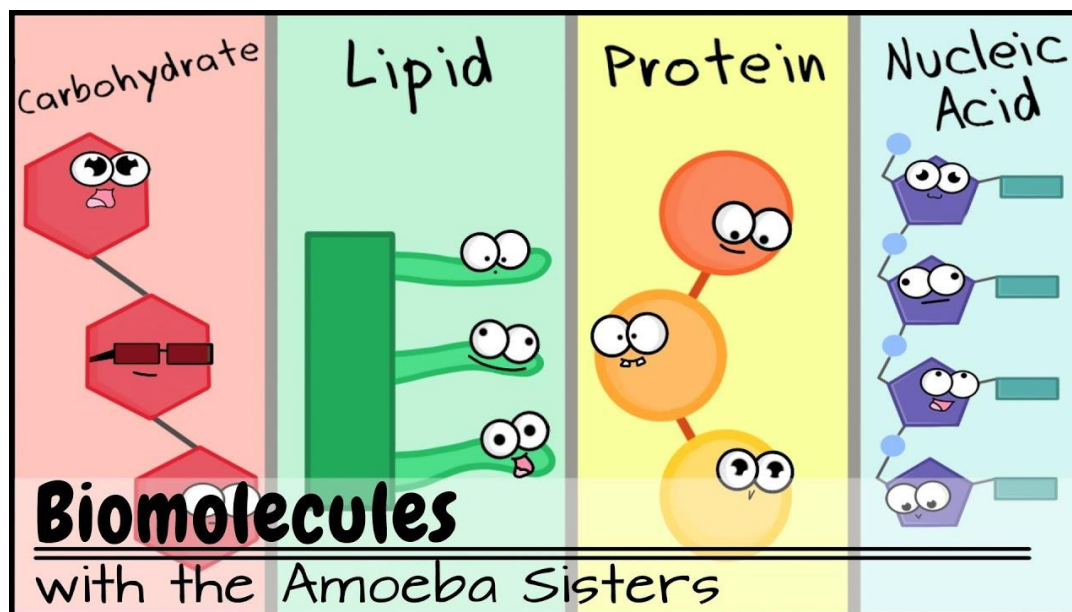


Introduction to Biomolecules



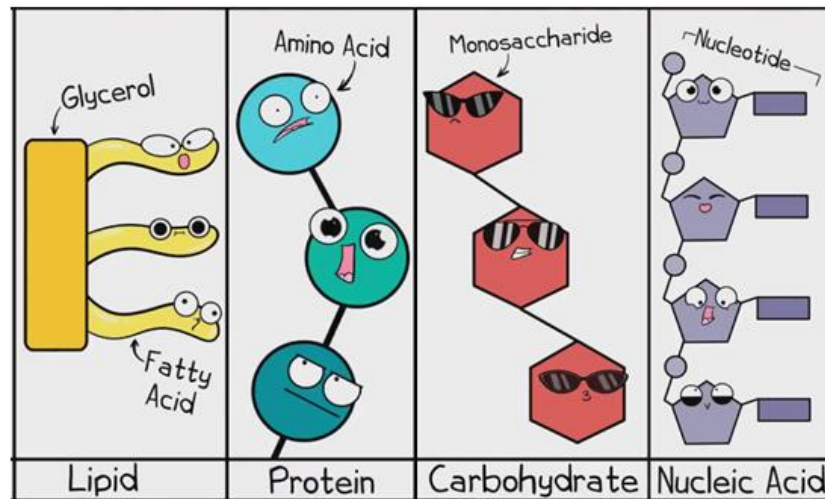
Instructor: Asst. Prof. Dr. Tanatorn Khotavivattana
E-mail: tanatorn.k@chula.ac.th

Key concepts:

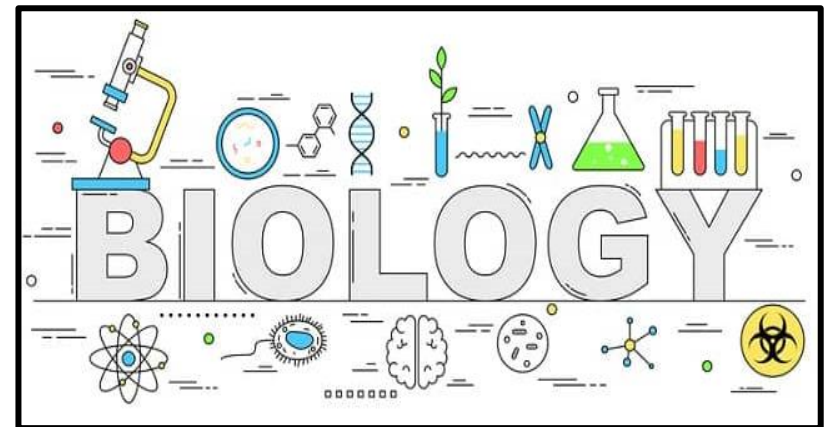
- 1) Why do we need to study biomolecules?**
- 2) Outline of this course**

Understanding & Applications

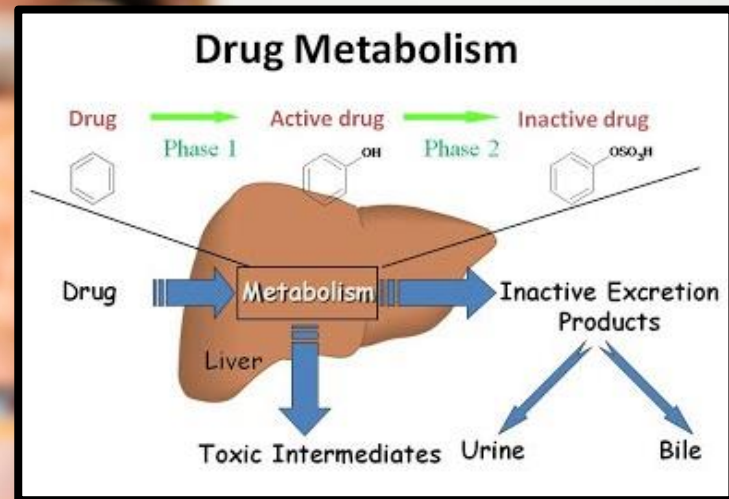
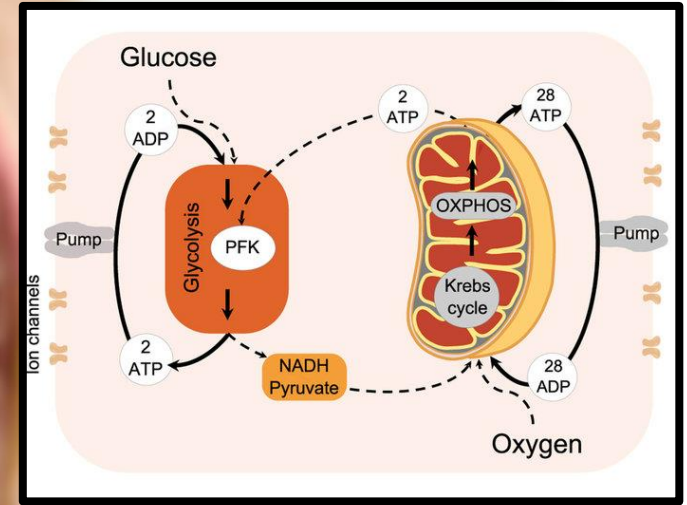
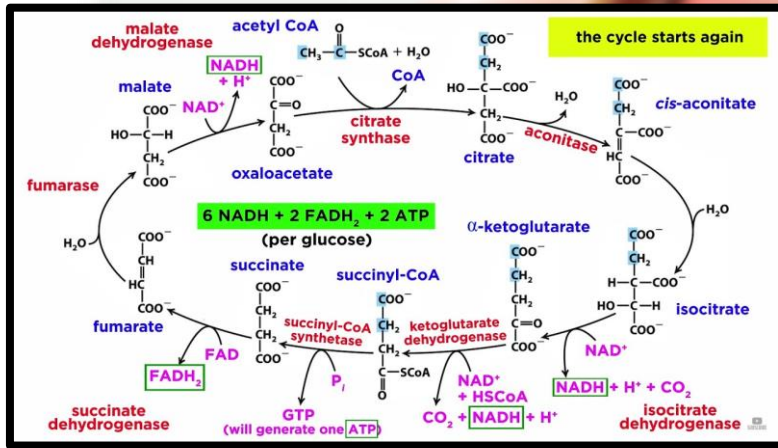
- ✓ Molecular structure
- ✓ Synthesis & Mechanism



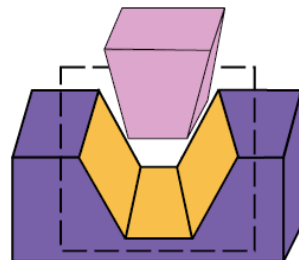
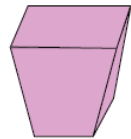
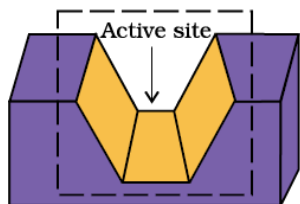
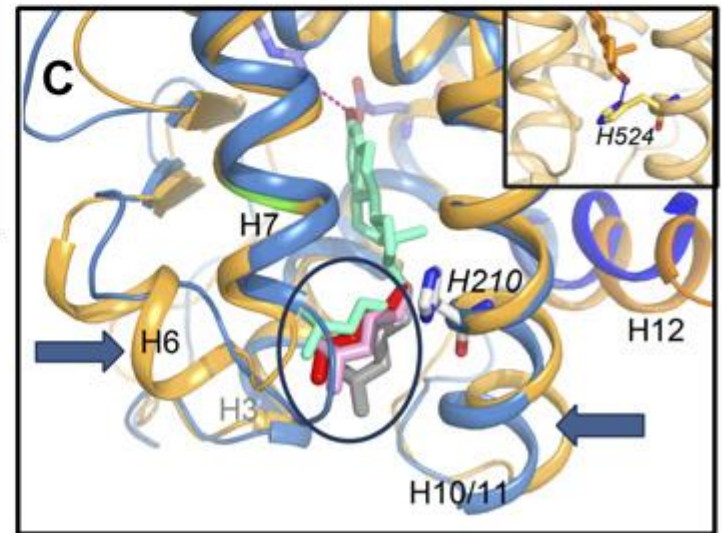
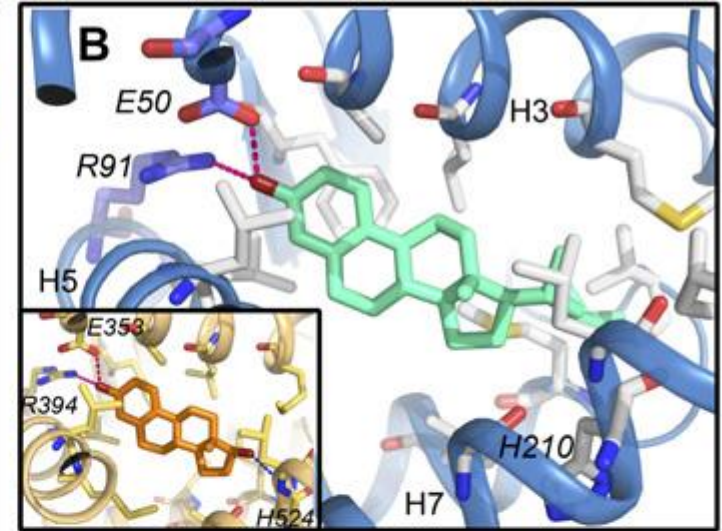
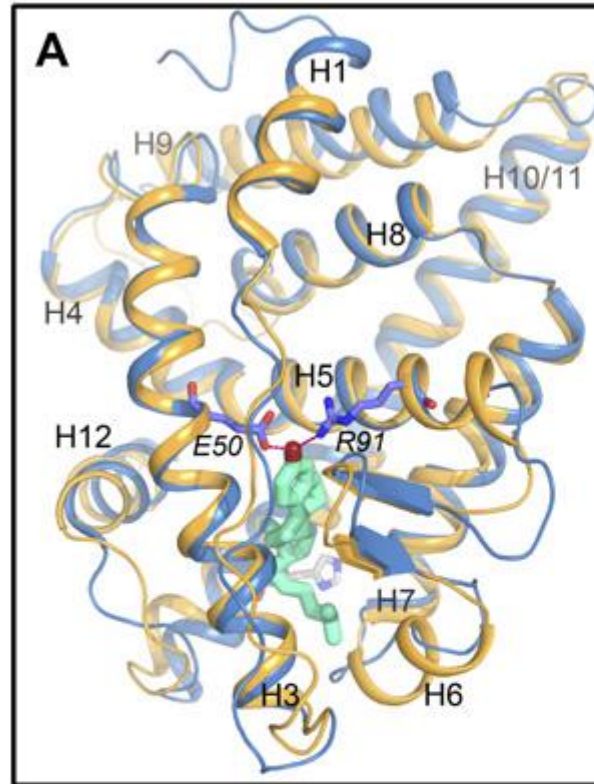
- ✓ Function



Understanding process in living organism



Drug discovery and development

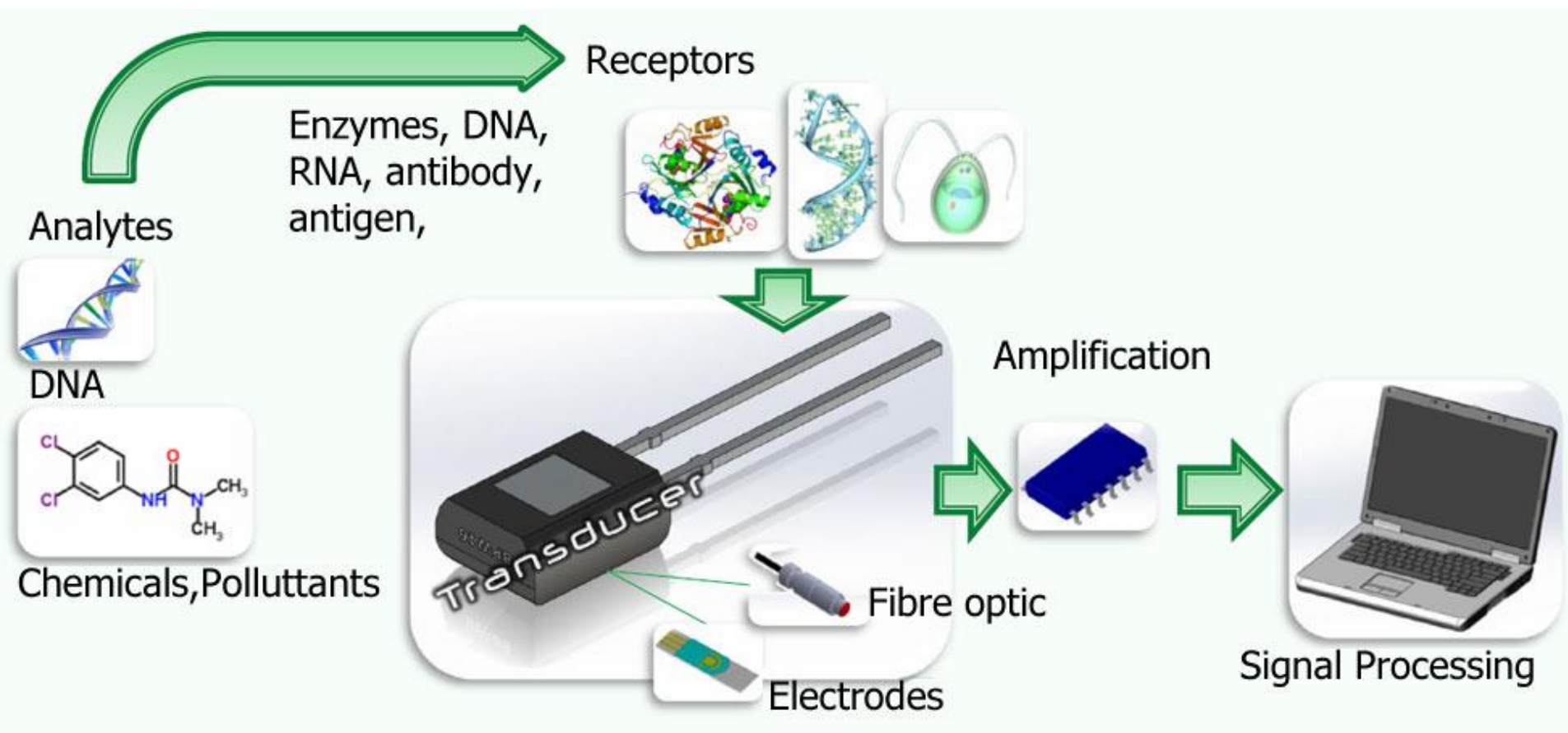


(a) Enzyme

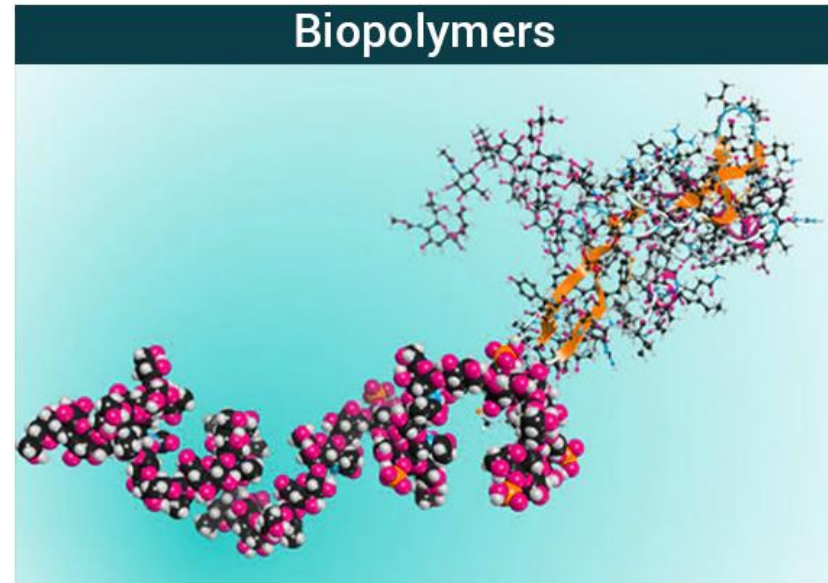
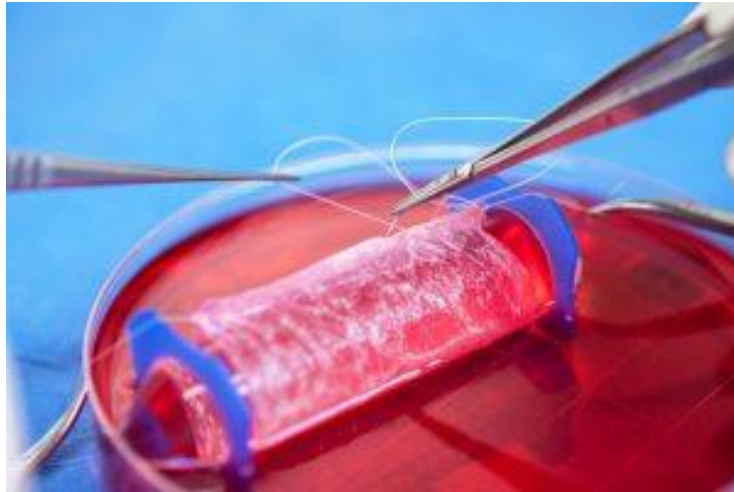
(b) Substrate

(c) Enzyme holding substrate

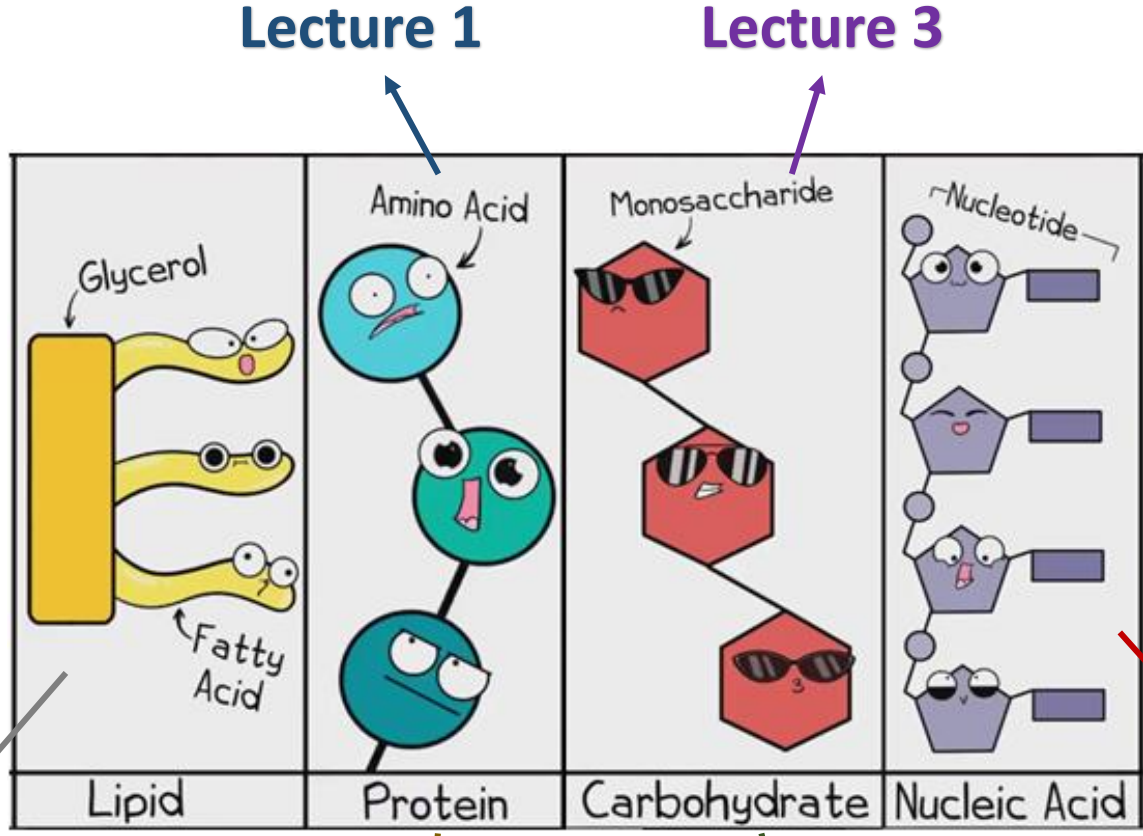
Biosensors



Biomaterials



Outline of part IV



Lecture 1

Lecture 3

Covered in part III

Lecture 2

Lecture 4

Lecture 5