



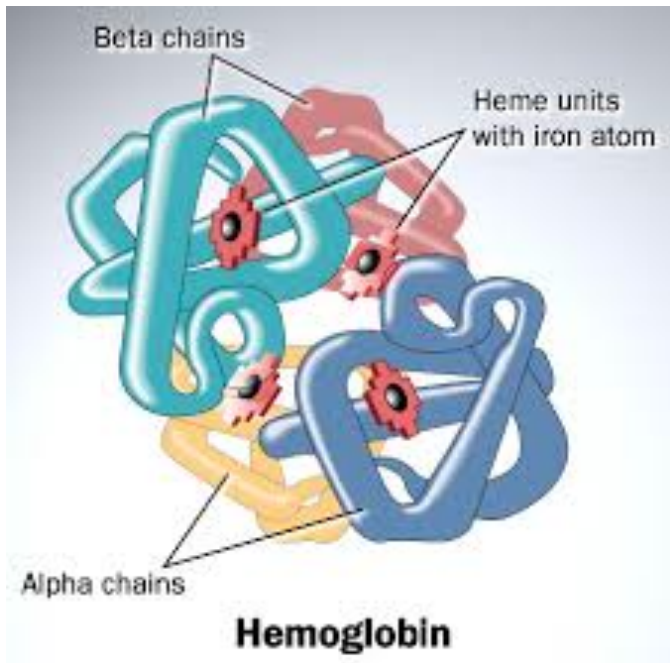
Max Ferdinand Perutz 1914-2002

Britany

Nobel 1962

Solved the “phase problem” in 3D structure determination from x-ray diffraction pictures
By heavy atom replacements.

Hemoglobin molecule –
4 myoglobin-like molecules
With cooperative oxygen binding.



Sickle cell anemia –
The first “molecular disease”
Caused by a point mutation.

