

# Bone Healing

Landmark studies by Urist and others in 1965 began to show how bone heals:

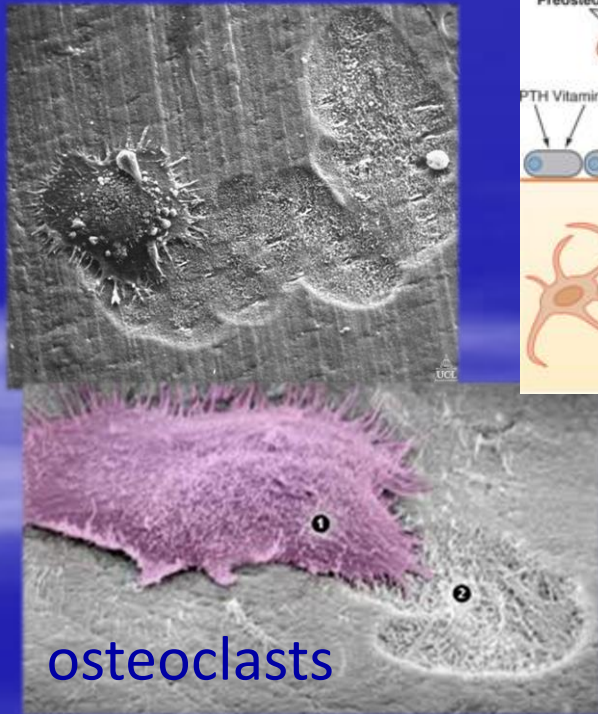
- Demineralized bone grafts bridge defects and show evidence of osteogenesis even when implanted in non-bone sites
- This is due to acid-stable growth factors in bone



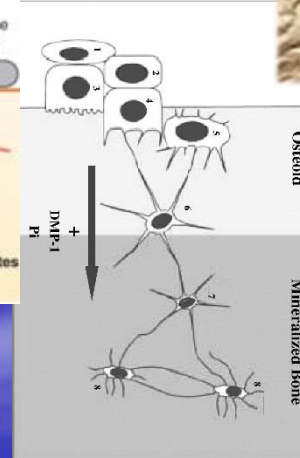
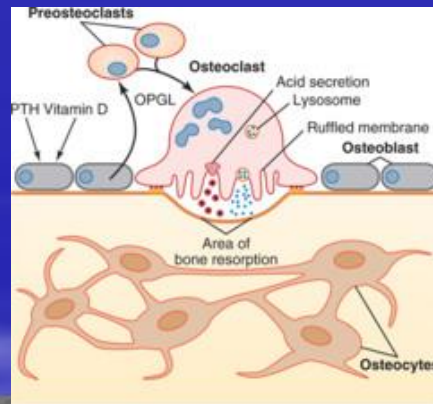
Marshall R. Urist, MD  
1914-2001



osteoblasts



osteoclasts



osteocyte