IMPORTANT NOTICE

• All DEMYSTIFYING MEDICINE SESSIONS CAN BE VIEWED LIVE FROM ANYWHERE ON EARTH AT ....VIDEOCAST.NIH.GOV

• 1-2 WKS LATER, ALL SESSIONS ARE ON U-TUBE AVAILABLE WORLDWIDE
INFLAMMATION

Latin: inflammatio: “to set on fire”

1st C physician Celsus: Calor/HEAT
Rubor/ REDNESSS
Tumor/ SWELLING
Dolor/ PAIN
...resulting in LOSS OF FUNCTION
21st Century

- Role of inflammation in other disease processes:
- Cardiovascular diseases (CAD, etc) (Jan 24)
- Allergies (Jan 31)
- Immunosuppressive diseases (HIV, etc) (Feb 28)
- Cancer (Feb 21)
- Fibrosis (March 21)
- Autoimmune diseases (RA, etc)
- Neurodegenerative diseases (Alzheimer, etc) (April 11)
- Obesity
- WHAT’S NEXT???
Glyco-mics

• The Genome did not answer everything!
• Epigenetics….post translational modifications greatly expand scope of function

Glycoprotein and glycolipid biology are critical in diverse functions, regulation and disease….both inheritable and acquired.
20th C IMMUNITY

• Elie Metchnikoff....discovers Innate Immune System from studies of “splinter in a starfish” 1882

(Vikhanski L: “Immunity” How Metchnikoff changed the course of modern medicine 2016 Chicago Review Press)

• Adaptive Immune System...20th C explosion...discovery of antigen-mediated cell response, T and B cells, etc....