



# INFLAMMATION

Latin: inflammatio: “to set on fire”

1<sup>st</sup> C physician Celsus: Calor/HEAT

Rubor/ REDNESS

Tumor/ SWELLING

Dolor/ PAIN

...resulting in LOSS OF FUNCTION

(EX: Infection, Sepsis, Wound Healing)

# 20<sup>th</sup> 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....

# 21<sup>st</sup> Century

- Role of inflammation in other disease processes:
- Cardiovascular diseases ( Arteriosclerosis, etc)
- Immunosuppressive diseases (HIV, etc)
- Cancer
- Autoimmune diseases (RA, etc)
- Neurodegenerative diseases (Alzheimer, etc)
- Obesity
- WHAT'S NEXT???