

OLLI SG 492

Human Immune System

Session 2 - March 16, 2022

Today's Meeting

- Corrections, Modifications, Amplifications, Etc.
- Recap of last week's meeting
- Some definitions of terms that will become more prominent
- Overview of the Lymphatic System
- A side-bar on stem cells and cell differentiation
- Overview of the types of cells that constitute the immune system
- Janeway, et al., and the discovery of the innate immune system

Corrections, Amplifications, Modifications, Etc.

- “Germ” - Davis uses this term for dangerous organisms; I will be using pathogen.
- Immune response to non-organismic substances:
 - Langerhans Cells
 - Marshall other immune system cells (e.g., T cells) to fight infection, inflammation, and other dangers to the epidermis, e.g., poison ivy.
 - Has features of macrophage and dendritic cells.
 - Link to technical article on Langerhans Cells is [here](#).

Recap

- About the book - good on the recent advances, but assumes too much background knowledge.
- About the subject - It's complicated!
- Incredibly small size of the organisms being studied is an impediment to researchers; processes are occurring at the molecular level.
- Proteins and protein folding are central issues in the immune system.
- Innate immune cells kill pathogens in many instances by “eating” them - phagocytosis.

