

GBS 723 – Topics in Professional Development

Fall Semester

Syllabus

Time: Wednesdays, from 3:30 – 5:00 p.m. Starts August 26, 2020

Place: ZOOM

Moderators: Harry Schroeder, MD, PhD, Laurie Harrington, PhD and Ada Elgavish, PhD

Leader Lectures: The objective of the leader lectures will be to gain insight into pathways to a successful career.

History of Immunology: The main objective of this segment of the course is to explore the history of immunology. The textbook used will be "A history of Immunology", 2nd edition, by Arthur M. Silverstein. You can download it at: <https://www.sciencedirect.com/book/9780123705860/a-history-of-immunology>. Each trainee is assigned a chapter. Please see schedule below. Using this source, the trainee should prepare a short presentation, followed by a discussion by the entire class of the issues presented.

Session #	Date	Chapter Title/ Topic	Presenter/Trainee
1	8/26/2020	Course Introduction	Harry W. Schroeder, Jr., MD, PhD
2	9/2/2020	Leader Lecture	Louis B. Justement, PhD
3	9/9/2020	Leader Lecture	Lori McMahan, PhD
4	9/16/2020	Leader Lecture	Michael Saag, MD
5	9/23/2020	Leader Lecture	Kenneth Saag, MD
6	9/30/2020	Leader Lecture	Chander Raman, PhD
7	10/7/2020	History of Immunology - Overview	Peter Burrows, PhD
8	10/14/2020	Theories of acquired immunity	Katie Alexander, PhD
		Cellular versus humoral immunity	Alyssa Hansen, PhD
9	10/21/2020	Theories of antibody formation	Lesley Jackson, MD
		The generation of antibody diversity: The germline/somatic mutation debate	Amber Papillion, PhD
10	10/28/2020	The clonal selection theory challenged: the "immunological self"	Kristen Reeder, PhD
		The concept of immunologic specificity	Jared Taylor, PhD
11	11/4/2020	Immunologic specificity: solutions	Sade Clayton
		<i>Horror autotoxicus</i> : the concept of autoimmunity	Dominique Hinshaw & Blake Frey
12	11/11/2020	Allergy and immunopathology: the "price" of immunity	Meagan Jenkins & Samuel Blum

13	11/18/2020	Anti-antibodies and anti-idiotypic immunoregulation (1899-1904)	Ashley Landuyt
14	11/25/2020	Thanksgiving holiday – No class	
15	12/2/2020	Transplantation and immunogenetics “Natural” antibodies and “virgin” lymphocytes: the importance of context	Ryan McMonigle & Andrew Schroeder Ashleigh Riegler