

## GBS 723 – Topics in Professional Development

### Fall Semester: The History of Immunology

#### Syllabus

**Time:** Thursdays, after the Program in Immunology Seminar, from 5:30 – 7:00 p.m. Starts September 14, 2017

**Place:** Shelby building, conference room 415

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

**Book:** A History of Immunology, by Arthur M. Silverstein (will be provided)

Session #	Date	Chapter# / Topic	Presenter Trainee
1	9/21/2017	Introduction	
2	9/28/2017	1. Theories of acquired Immunity 2. Cellular versus humoral immunity	Norberto Gonzalez-Juarbe Kurt Zimmerman
3	10/5/2017	3. Theories of Antibody formation 4. The generation of antibody diversity: The germline/somatic mutation debate 5. The clonal selection theory challenged: the “immunological self”	Shannon Boi Ashley Landuyt  Michael Dixon
4	10/12/2017	6. The concept of immunological specificity 7. Immunological specificity: solutions	Sarah Dulson Sushma Boppana
5	10/19/2017	8. <i>Horror autotoxicus</i> : the concept of autoimmunity 9. Allergy and Immunopathology: the “price” of immunity	Vincent Laufer  Matthew McConnell
6	10/26/2017	10. Anti-antibodies and anti-idiotypic immunoregulation 1899-1904 11. Transplantation and immunogenetics	Robert Dalton Chavez Nada Elmagboul
7	11/2/2017	12. The uses of antibody: magic bullets and magic markers 13. The royal experiment: 1721-1722	Sushma Boppana Michael Schultz
8	11/9/2017	14. The languages of immunological dispute 15. The search for cell-bound antibodies: on the influence of dogma	Michael Levinson Shannon Boi
9	11/16/2017	16. “Natural” antibodies and “virgin” lymphocytes: the importance of context 17. The dynamics of conceptual change in immunology	Michael Levinson Michael Dixon
10	11/23/2017	<b>No Class- Thanksgiving Holiday</b>	
11	11/30/2017	18. Immunology in transition 1951-1972: the role of international meetings and discipline leaders 19. The emergence of subdisciplines	Sarah Dulson  Ashley Landuyt
12	12/7/2017	20. Immune hemolysis: on the value of experimental systems 21. Darwinism and immunology: From Metchnikoff to Burnet	Vincent Laufer  Michael Schultz
13	12/14/2017	22. The end of immunology?	Robert Dalton Chavez