

## **IMMUNOLOGY 201 Schedule for FALL 2018**

**Course Directors: Drs. Thorsten Mempel, Stephanie Dougan, Shiv Pillai**

*Session 1- 1:30 to 2:35 PM*

*Coffee Break- 2:35 to 2:55 PM*

*Session 2- 2:55 to 4 PM*

### **Week 1 (9/4, 9/6):**

9/4 1:30 to 2:35- Overview I: Evolution of the Immune System (Mempel)  
2:55 to 4 - Overview II: Cells of the Immune System (Dougan)

9/6 1:30 to 2:35- Overview III: The defining questions in Immunology (Pillai)  
2:55 to 4 - Methods Workshop I with TAs

### **Week 2 (9/11, 9/13):**

9/11 1:30 to 2:35- Session 1: Innate Sensing I (Kagan)  
2:55 to 4 - Paper 1 with TAs

9/13 1:30 to 2:35 - Innate Sensing of the Microbial World II (Kagan)  
2:55 to 4 - Innate Sensing of the Microbial World III (Kagan)

### **Week 3 (9/18, 9/20):**

9/18 1:30 to 2:35- Paper 2 with TAs  
2:55 to 4- Hematopoiesis (Wagers)

9/20 1:30 to 2:35- B cell development (Pillai)  
2:55 to 4 - Paper 3 with TAs

### **Week 4 (9/25, 9/27):**

9/25 1:30 to 2:35- VDJ recombination I (Alt)  
2:55 to 4- VDJ recombination II (Alt)

9/27 1:30 to 2:35- B cell activation (Batista)  
2:55 to 4 - Dendritic Cells I (Hacohen)

### **Week 5 (10/2, 10/4):**

10/2 1:30 to 2:35- - B cell acquisition of antigen (Carroll)  
2:55 to 4 - Paper 4 with TAs

10/4 1:30 to 2:35- T-B collaboration (Pillai)  
2:55 to 4 - Review I by TAs

### **Week 6 (10/9, 10/11):**

10/9 1:30 to 2:35- Somatic Hypermutation and Isotype Switching (Alt)  
2:55 to 4- Review II by TAs

10/11 1:30 to 4- Mid-term Examination

**Week 7 (10/16, 10/18):**

10/16 1:30 to 2:35- Antigen Presentation Pathways I (Wucherpfennig)

2:55 to 4- Antigen Presentation Pathways II (Wucherpfennig)

10/18 1:30 to 2:35- CD4+ T cell subsets I (Kuchroo)

2:55 to 4- CD4+ T cell subsets II (Kuchroo)

**Week 8 (10/23, 10/25):**

10/23 1:30 to 2:35- Co-stimulation (Sharpe)

2:55 to 4- Immune checkpoints (Sharpe)

10/25 1:30 to 2:35- Dendritic cells II (Hacohen)

2:55 to 4- T cell development (Pillai)

**Week 9 (10/30, 11/1):**

10/30 1:30 to 2:35- T cell recognition of antigen (Wucherpfennig)

2:55 to 4 - From TCR signals to gene expression (Mempel)

11/1 1:30 to 2:35- Regulatory T cells (Mempel)

2:55 to 4- Paper 5 with TAs

**Week 10 (11/6, 11/8):**

11/6 1:30 to 2:35- Development and Function of Lymphoid Tissues (Mempel)

2:55 to 4- Lymphocyte Trafficking I (von Andrian)

11/8 1:30 to 2:35- Lymphocyte Trafficking II (von Andrian)

2:55 to 4- Paper 6 with TAs

**Week 11 (11/13, 11/15):**

11/13 1:30 to 2:35- CD8+ T cells (Lieberman)

2:55 to 4- Programmed cell death (Lieberman)

11/15 1:30 to 2:35- Viral evasion of immunity (Ploegh)

2:55 to 4- Paper 7 with TAs

**Week 12 (11/20):**

11/20 1:30 to 2:35- Advances in Complement Biology (Carroll)

2:55 to 4 - Paper 8 with TAs

11/22 *THANKSGIVING*

**Week 13 (11/27, 11/29):**

11/27 1:30 to 2:35 NK Cells /ILCs(Dougan)  
2:55 to 4- Immune metabolism (Batista)

11/29 1:30 to 2:35- NKT cells (Dougan)  
2:55 to 4- Paper 9 with TAs

**Week 14 (12/4, 12/6):**

12/4 1:30 to 4- Review by TAs

12/6 1:30 to 4- Final Examination