

GS06 1013: Fundamental Immunology - Spring 2023

Course Information

Meeting Place and Time:

TBD - Tuesday and Thursday from 9:00-10:30AM via Zoom or @ GSBS-S3.8371 (Large Classroom)

Text Book:

“Janeways’ Immunobiology” Tenth Edition by K. Murphy
Lecturers may provide additional material.

Course information and updates, and class presentations will be available on Canvas

<https://www.uth.edu/canvas/login.htm>

Grading:

Three exams of equal weight

Mixed format including multiple choice and short answer.

Grades will be based on the class distribution curve.

Each exam will cover the material from the preceding lectures, which may include the latest scientific topics covered in the classes.

A: $\geq 90\%$ score

B: 70 ~89% score

C: 60~ 69% score

D: < 60% score (Fail)

Attendance will be counted as 10% of the grade

Homework and assignments will be counted as 10% of the grade

Faculty Help:

Feel free to contact individual faculty member to help with lecture material.

Course Coordinators:

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Teaching Assistant:

TBD

TBD

Course Administrator Assistant:

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<u>Date</u>	<u>-</u>	<u>Topic</u>	<u>2023 Potential Lecturers</u>
1/10	Tue	Introduction/Overview	Ekmekcioglu
1/12	Thurs	Complement & Fc Receptors	Wetsel
1/17	Tue	Complement & Fc Receptors	Wetsel
1/19	Thurs	Hematopoiesis	Kobayashi
1/24	Tue	Myeloid cell subsets	Gubin
1/26	Thurs	Innate Sensors/Pattern Recognition	Kulkarni
1/31	Tue	Cytokine Signaling	Haymaker
2/2	Thurs	Major Histocompatibility Complex	Lizee
2/7	Tue	Antigen presentation	Lizee
2/9	Thurs	NK cells/ILCs	Daher
2/14	Tue	Exam 1	
2/16	Thurs	B cell development/Immunoglobulin	Henderson
2/21	Tue	Mechanisms of Antigen receptor rearrangement	Zelazowska
2/23	Thurs	B cell activation and memory	McBride
2/28	Tue	T cell receptors	Reuben
3/2	Thurs	T cell development	Reuben
3/7	Tue	T cell activation and signaling	Ma
3/9	Thurs	T cell responses and generation of memory	Ma
3/14	Tue	Spring Break no class	
3/16	Thurs	Spring Break no class	
3/21	Tue	Helper T cell subsets and differentiation and T reg	Nurieva
3/23	Thurs	Exam 2	
3/28	Tue	iNKT	Im
3/30	Thurs	Tregs	DiPilato
4/4	Tue	Vaccine	Sonnemann
4/6	Thurs	Tolerance & Transplantation	Al-Atrash
4/11	Tue	Microbiome	McQuade
4/13	Thurs	HIV/AIDS/Immunodeficiency	Sastry
4/18	Tue	Mucosal immunity	Sastry
4/20	Thurs	Cancer Immunotherapy-Checkpoint blockade	Curran
4/25	Tue	Cancer Immunotherapy-ACT, cytokines, vaccines	Curran
4/27	Tue	Allergy	Adachi
5/2	Thurs	Autoimmunity	Assassi
5/4	Thurs	Exam 3	

Confirmed for 2023!