

Path 221/MMG 221 – Immunopathogenic Mechanisms of Disease

The PATH 221/MMG 221 course will be offered in fall term 2019. The course consists of expert weekly presentations on recent advances in knowledge of Immunological mechanisms in and treatment of diseases. The presentations will be followed on a second day of the week by student presentations of a recent paper assigned by the expert presenter and the student presentation will be moderated by the expert presenter. Topics covered will include, the role of the cancer microenvironment in suppression of adaptive and innate immune responses, cancer treatment with anti-checkpoint therapy and CAR T-cells, immune responses to the microbiome of the intestine and other sites, the Immunopathology of aging, and cytokines that alter the immune response to disease. The course will generally meet Tuesdays and Thursdays at 2–3:30 p.m. in Medical Sciences room D-440. For a syllabus, send requests to dmercola@uci.edu. Recommended prerequisite (prior or simultaneous enrollment): Immunology MMG215.

Syllabus & Schedule:

Tuesday/Thursday, 2:00–3:30 p.m.
Dan Mercola, “Mechanisms of Altered Immune Response by the Cancer Microenvironment”

Tuesday/Thursday, 2:00–3:30 p.m.
Mathew Blurton-Jones, “Examining the Role of Adaptive and Innate Immunity in Alzheimer's Disease”

Tuesday/Thursday, 2:00–3:30 p.m.
Anshu Agrawal, “The Immunopathology of Aging – Part I”

Tuesday/Thursday, 2:00–3:30 p.m.
Anshu Agrawal, “The Immunopathology of Aging – Part II”

Tuesday/Thursday, 3:00–4:30 p.m.
Angela Fleischman, "Inflammation as a Driver of Disease Development in Myeloid Malignancies"

Tuesday/Thursday, 2:00–3:30 p.m.
Eric Perlman, “Innate Immune Responses to Bacterial and Fungal Infections”

Tuesday/Thursday, 2:00–3:30 p.m.
Michael McClelland, “An Unending Arms Race Between the Host Innate Immune System and Virulence Strategies by Pathogens: Enterobacteria as the Example”

Tuesday/Thursday, 12:00–1:30 p.m.
Katrine Whiteson, "Metabolites, Germs and People: Eavesdropping on Human Associated Microbial Communities"

Tuesday/Thursday, 12:00–1:30 p.m.
Amanda Burkhardt, “Cytokines in Immunopathology: The Good, The Bad and The Ugly”

Wednesday/Thursday, 3:00–4:30 p.m.
Deborah Wong, UCLA, “Immunotherapy for Head and Neck Cancers: Current and Future Treatment Options”

Sponsored by the Departments of Pathology & Laboratory Medicine and Microbiology & Molecular Genetics