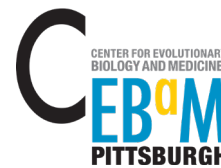




NEW CLASS SPRING 2020



Evolutionary Biology of Human Disease

ISB 2075 & MSCBIO 2074
Monday 2-4 PM, Friday 10-11 AM
Room: BST3, 3073



Evolution is a fundamental unifying principle of biology. This class takes a broad approach to illustrate how an evolutionary perspective augments medical research and practice. Topics covered range from the evolution of human populations, to antibiotic resistance, and include medical conditions as diverse as diabetes, cardiovascular disease, cancer or aging.

Course Outline:

- Part 1: History and Variation of Human Genes (Dennis Kostka, PhD)
- Part 2: Natural Selection of Human Traits (Anne-Ruxandra Carvunis, PhD)
- Part 3: Pathogens: Resistance, Variation, Virulence, and Emergence (Erik Wright, PhD)
- Part 4: Non-Infectious and Degenerative Disease (Vaughn Cooper, PhD)
- Part 5: Comparative Medicine (Matt Nicotra, PhD)

Course Director: Anne-Ruxandra Carvunis

Lecturers: Vaughn Cooper, Erik Wright, Dennis Kostka, and Matt Nicotra

Link to the course description:

<https://psmobile.pitt.edu/app/catalog/classsection/UPITT/2204/31677>



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