MCB 5471:
Current Topics in Molecular Evolution:
Evolution through Genetic Exchange

SPRING 2017
1 credit

Time: Mondays 11.15am
First Meeting: Monday, 1/23/2017 at 11.15 am
Instructor: J. Peter Gogarten (MCB)
Where: Kresge Library (TLS 2nd floor)

The course will focus on “Evolution through Genetic Exchange”. Most reading materials will be articles from Nature Reviews in Microbiology, Nature Reviews in Genetics and Nature Microbiology. Topics will range from Symbiosis, the Black Queen Hypothesis and Evolution of the Holobiont to the Transfer of Adaptive Genes between Multicellular Eukaryotes (e.g. antifreeze proteins in fish) and Archaic Admixtures and Introgression in Human Evolution. A very preliminary syllabus is available at http://gogarten.uconn.edu.

Students are expected to present on at least one chapter or journal article.