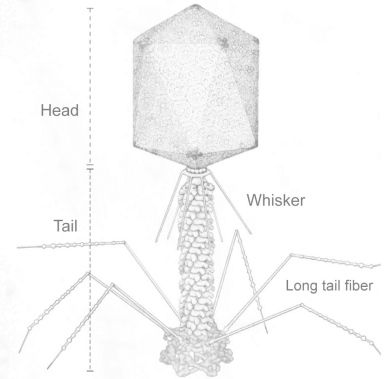


MCB 5471: Current Topics in Molecular Evolution: *Evolution through Genetic Exchange*

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.

