CAMB 548 Bacterial Pathogenesis 2013

Co-directors: Jay Zhu and Frederic Bushman

Monday, Wednesday, Friday 1:15-2:15 pm, Johnson 209.

1) Introduction, Genetic tools used for bacterial pathogenesis study; Bacterial cell-cell communications and biofilm formation [Oct 28, 30, Nov 1]
   Jay Zhu
   junzhu@mail.med.upenn.edu

2) Bacterial genomics, lateral transfer, phage [Nov 4, 6, 8, 13]
   Rick Bushman
   bushman@mail.med.upenn.edu

3) Vertebrate microbial communities in health and disease [Nov 11, 15, 18]
   Elizabeth Grice
   egrice@mail.med.upenn.edu

4) Mid-term in class exam [Nov 20]

5) Signal transduction in bacteria [Nov 22, 25, 27]
   Mark Goulian
   goulian@sas.upenn.edu
   No class Nov 29: Thanksgiving break

6) Strategies for bacterial adhesion and invasion [Dec 2, 4, 6]
   Dieter Schifferli
   dmschiff@vet.upenn.edu

7) Intracellular bacteria [Dec 9,11,13]
   Sunny Shin
   sunshin@mail.med.upenn.edu

8) Final exam (in class) [Dec 16]