CAMB 548 Bacterial Pathogenesis 2015

Co-directors: Jay Zhu and Frederic Bushman

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

1) Introduction, Bacterial genomics, lateral transfer, phage [Oct 26, 28, 30, Nov 2]
   Rick Bushman
   bushman@mail.med.upenn.edu

2) Genetic tools used for bacterial pathogenesis study; Bacterial cell-cell communications and biofilm formation [Nov 4, 6, 9]
   Jay Zhu
   junzhu@mail.med.upenn.edu

3) Strategies for bacterial adhesion and invasion [Nov 11, 13, 16]
   Dieter Schifferli
   dmschiff@vet.upenn.edu

4) Mid-term in class exam [Nov 18]

5) Signal transduction in bacteria [Nov 20, 23, 25 (day before Thanksgiving)]
   Mark Goulian
   goulian@sas.upenn.edu

   No class Nov 27: Thanksgiving break

6) Vertebrate microbial communities in health and disease [Nov 30, Dec 2, 7]
   Elizabeth Grice
   egrice@mail.med.upenn.edu

7) Intracellular bacteria [Dec 4, 9, 11]
   Sunny Shin
   sunshin@mail.med.upenn.edu

8) Final exam (in class) [Dec 14] (last day of classes is 18th)