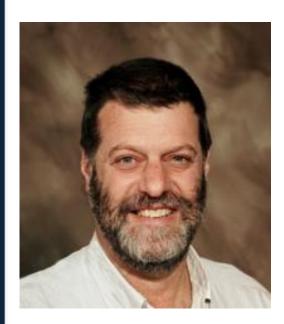
BIOLOGY COLLOQUIUM

Friday, 6 Jan 2017 | 4pm | DBS Conference Room 1

Hosted by Prof Paul Matsudaira and Prof Linda Kenney

Sociomicrobiology: quorum sensing, cooperation and conflict in populations of the opportunistic pathogen *Pseudomonas aeruginosa*



By Peter Greenberg

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Our laboratory is focused on the emerging field of sociomicrobiology. We currently study:

- Quorum sensing intercellular communication
- Biofilms the mechanisms by which bacteria switch from a nomadic existence to a sessile biofilm lifestyle and the mechanisms underlying the ability of sessile biofilm bacteria to survive the action of antibiotics
- Conspecific territoriality the ways in which clonal populations of bacteria can discriminate themselves from other clonal populations.

We are interested in the genetic and molecular mechanisms of social behaviors and the evolution of sociality, but it is a fact that social activities we study are of importance in pathogenesis.