

Survive and advance: Bacterial Survival Stories

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Abstract

Bacteria mutagenesis within the biofilm context provides a mechanism to ensure genetic diversity and prepare the bacterial population for a variety of potential adverse conditions. This fulfillment of the insurance hypothesis is observed through the development of vancomycin intermediate *S. aureus* mutants. Likewise, species bacterial diversification, within the context of a diabetic foot infection allows the entire population of bacteria to persist and delay wound healing. Data will be presented that show that bacterial species that are common to diabetic foot infections do respond to hyperbaric oxygen therapy, and it is hypothesized that this form of treatment will alter the bacterial populations allowing for more effective treatment regimes.

Venue of the seminar: Neckers 240

Time of the seminar: 4.00 – 4.50 pm

Date of the seminar: May 3