

THE JOHN LAWRENCE SEMINARS



"FROM GENOME PARTITIONING TO CELLULAR REJUVENATION: UNIQUE ASPECTS OF GAMETOGENESIS"

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Gametogenesis is a tightly regulated developmental program whereby a progenitor cell undergoes cell division and differentiation to form haploid gametes. A fundamental question is how the fitness of gametes is ensured during their production, such that they contain the appropriate nuclear and cytoplasmic content to make healthy progeny. For instance, when cellular damage is present, do mechanisms exist to prevent its transmission to the gametes? How is the precise genetic complement distributed to the gametes? Using budding yeast, we aim to address these and related questions in two fundamental frameworks: (1) in the context of aging, with the aim of understanding how gametogenesis counteracts age-induced cellular damage; and (2) in the context of meiosis, with the aim of identifying the mechanisms that ensure accurate chromosome segregation.

TUES., APRIL 19TH
4:00 P.M.

717 POTTER STREET
ROOM 141
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HOST:
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Schedule of Seminars: <http://johnlawrenceseminars.lbl.gov>
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