

81st WPI IIS Seminar

Not all ribosomes are created equal

– Investigating the genetic and biochemical mechanisms underlying ribosome heterogeneity in the fission yeast –

Current knowledge of ribosome, such as the crystal structure, has aided the common perception that all ribosome particles in a cell are uniform. Our ongoing investigation in the fission yeast *S. pombe* has shown that in this unicellular organism, not all ribosomes are identical. Due to the incorporation of different, although highly similar, isoforms (called paralogs) of a ribosome component (Rps8), significant changes occur in ribosome composition and in how cells deal with environmental stresses. Ribosome heterogeneity may occur in other ribosomal structural components and in other organisms, and may be a new layer of biological regulation.



Speaker:

Dr. Xiangwei He

Life Science Institute

Zhejiang University, China

Date: Friday, June 24, 2016

Time: 12:30 - 13:30

**Venue: 1F Auditorium, IIS Building
University of Tsukuba**

★Light refreshments will be served.



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