



Katedry genetiky a biochémie
Prírodovedeckej fakulty Univerzity Komenského,
a občianske združenie *NATURA*
v spolupráci so
Slovenskou spoločnosťou pre biochémiu a molekulárnu biológiu



Vás pozývajú na **77. prednášku v rámci Kuželových seminárov:**

Prof. Mitsuhiro Yanagida*

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Corporation, Onna, Okinawa and Graduate School of Biostudies,
Kyoto University, Kyoto, Japonsko

Cell division and metabolism of fission yeast
Schizosaccharomyces pombe

ktorá sa uskutoční **21. januára 2011** (piatok) o **14:00**

v miestnosti **CH1-222** Prírodovedeckej fakulty UK



<http://www.naturaoz.org/seminare.html>
<http://www.naturaoz.org/KuzeloveSeminare.html>

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Prof. Mitsuhiro Yanagida

Education: University of Tokyo, Faculty of Science, Department of Biophysics and Biochemistry (B.A.-1964; M.Sc.-1966; PhD.-1970).

Research: 1967-1970, Research assistant, University of Geneva, Institute of Molecular Biology, Geneva, Switzerland.
1970, Research associate, International Institute of Genetics and Biophysics, Naples, Italy
1970-1971, Research associate, University of Maryland School of Medicine, Department of Biological Chemistry, Maryland, USA.
1971-1977, Associate professor, Kyoto University, Faculty of Science, Department of Biophysics.
1977, Kyoto University, Graduate School of Biostudies, Department of Gene Mechanisms,
2001-2003/03 Dean
2005-present, A honorary professor (Senior Researcher), Kyoto University, Principal Investigator; CREST JST, Principal investigator, OIST Promotion Corporation, IRP, Okinawa



Honors and Award: Foreign Member of EMBO (1995); The Toray Science and Technology Award (1999); Foreign Member of the Royal Society (2000); Asahi Award (2000); Uehara Award (2001); Medal with Purple Ribbon (2002); The Japan Academy Prize, The Imperial Prize (2003); The Persons of Cultural Merit (2004)

Editorial Boards: Cell (1990-1993, 1997-); The EMBO Journal (1997-); Molecular Biology of the Cell (1991-); Journal of Molecular Biology (1989-); Current Biology (1992-); BioEssay (1992-); Trends in Biochemical Sciences (1992-); Genes to Cells (1995-); Journal of Cell Science (1990-); Cell Structure and Function (1988-); Yeast (1987-); Chromosoma (1987-1995); Current Genetics (1984-1992)

Research Areas:

- Control of chromosome dynamics in cell division cycle
- Genetic control of mitosis
- Mechanisms of chromosome condensation and sister chromatid separation
- Dissection of genome stability and checkpoint control
- Molecular and cell biology of fission yeast

Recent publications:

Yanagida, M. (2010). Mostly DNA, a bit of glucose, and the next 50 years. *Mol. Bio.Cell.* **21**: 3826.
Takeda, K., Yoshida, T., Kikuchi, S., Nagao, K., Kokubu, A., Pluskal, T., Villar-Briones, A., Nakamura, T., Yanagida, M. (2010). Fission yeast Pot1 and RecQ helicase are required for efficient chromosome segregation. *Proc. Natl. Acad. Sci. USA* **107**: 3540-3545.
Pluskal, T., Nakamura, T., Villar-Briones, A., Yanagida, M. (2010). Metabolic profiling of the fission yeast *S. pombe*: quantification of compounds under different temperatures and genetic perturbation. *Mol Biosyst.* **6**: 182-198.
Yanagida, M. (2009). Clearing the way for mitosis: is cohesin a target? *Nat. Rev. Mol. Cel. Biol.* **10**: 489.
Yanagida, M. (2009). Cellular quiescence: are controlling genes conserved? *Trends Cell Biol.* **14**: 705.