

## CURRICULUM VITAE

Name: Moriya Ohkuma  
Present Position: Head of Microbe Division / Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

### EDUCATION

A.B., Dept. Agricultural Chemistry, The University of Tokyo, 1988  
M.S., Dept. Agricultural Chemistry, The University of Tokyo, 1990  
Ph.D., Dept. Agricultural Chemistry, The University of Tokyo, 1993

### APPOINTMENTS

2010-Present Visiting Professor, Tokyo Technology Institute, Japan  
2009-Present Visiting Professor, Toyohashi University of Technology, Japan  
2004-2008 Visiting Associate Professor, Kasetsart University, Thailand  
2000-2008 Senior Scientist, Environmental Molecular Biology Laboratory, Discovery Research Institute, RIKEN  
1994-2000 Researcher, Microbiology Laboratory, RIKEN  
1992-1994 Research Fellowship from Japan Society for the Promotion of Science

### AWARDS

2003 The Award for Encouragement of Young Scientists, the Agricultural Chemical Society of Japan  
2000 Winner of The William Trager Award for Outstanding Paper of the Year, Journal of Eukaryotic Microbiology

### SELECTED PUBLICATIONS

Noda, S., Y. Hongoh, T. Sato, and M. Ohkuma. 2009. Complex coevolution of symbiotic Bacteroidales bacteria of various protists in the gut of termites. *BMC Evol. Biol.* 9:158.  
Sato, T., Y. Hongoh, S. Noda, S. Hattori, S. Ui, and M. Ohkuma. 2009. *Candidatus* Desulfovibrio trichonymphae, a novel intracellular symbiont of the flagellate *Trichonympha agilis* in termite gut. *Environ. Microbiol.* 11:1007-1015.  
Ohkuma, M., S. Noda, Y. Hongoh, C.A. Nalepa, and T. Inoue. 2009. Inheritance and diversification of symbiotic hypermastigid flagellates from a common ancestor of termites and the cockroach *Cryptocercus*. *Proc. R. Soc. B.* 276:239-245.  
Hongoh, Y., V.K. Sharma, T. Prakash, S. Noda, H. Toh, T.D. Taylor, T. Kudo, Y. Sakaki, A. Toyoda, M. Hattori, and M. Ohkuma. 2008. Genome of an endosymbiont coupling N<sub>2</sub> fixation to cellulolysis within protist cells in termite gut. *Science* 322:1108-1109.  
Ohkuma, M. 2008. Symbioses of flagellates and prokaryotes in the gut of lower termites. *Trends Microbiol.* 16: 345-352.  
Hongoh, Y., V.K. Sharma, T. Prakash, S. Noda, T.D. Taylor, T. Kudo, Y. Sakaki, A. Toyoda, M. Hattori, and M. Ohkuma. 2008. Complete genome of the uncultured Termite Group 1 bacteria in a single host protist cell. *Proc. Natl. Acad. Sci. USA* 105:5555-5560.  
Inoue, J. -I., K. Saita, T. Kudo, S. Ui, and M. Ohkuma. 2007. Hydrogen production by termite-gut protists: characterization of iron hydrogenases of parabasal symbionts of the termite *Coptotermes formosanus*. *Eukaryot. Cell* 6:1925-1932.  
Yamada, A., T. Inoue, S. Noda, Y. Hongoh, and M. Ohkuma. 2007. Evolutionary trend of phylogenetic diversity of nitrogen fixation genes in the gut community of wood-feeding termites. *Mol. Ecol.* 16:3768-3777.