

ICL-QUESTIONNAIRE

NAME: Stephen M. Miller

GRANT PERIOD: 8/1/09-11/30/09

PRESENT POSITION US: Associate Professor, Biological Sciences

BORN: 12/13/1961

LANGUAGES: English

GERMAN HOST INSTITUTION

Max Planck Institute of Molecular Plant Physiology
Am Muehlenberg 1
D-14476 Potsdam-Golm
Germany

ACADEMIC DISCIPLINE

Biology

AREAS OF RESEARCH

Molecular Biology, Plant Biology, Evolution of Development

POSSIBLE LECTURE TOPICS

Evolution of Multicellularity, Biology of the Chlorophycean Green Algae

ACADEMIC TRAINING AND DEGREES

Ph.D.	1991	Massachusetts Institute of Technology, Biology
B.S.	1984	Case Western Reserve University, Chemistry

PREVIOUS POSITIONS

Postdoctoral Fellow	1991-1999	Washington University
Visiting Postdoctoral Fellow	1992-1993	University of Regensburg

PUBLICATIONS (selected)

- Duncan, L., Nishii, I., Harryman, A., Buckley, S., Howard, A., Freidman, N.R. and Miller, S.M. (2007) The VARL gene family and the evolutionary origins of the master cell-type regulatory gene, *regA*, in *Volvox carteri*. **J. Mol. Evol.** **65**:1-11.
- Duncan, L., Nishii, I., Howard, A., Kirk, D., and Miller, S.M. (2006) Orthologs and paralogs of *regA*, a master cell-type regulatory gene in *Volvox carteri*. **Curr. Genet.** **50**:61-72.
- Cheng, Q., Balzer, E., Yoshida, M., Wong, J.C., and Miller, S.M. (2006) Effect of histone deacetylase inhibitors on tubulin acetylation and development in *Volvox carteri*. **J. Phycol.** **42**:417-22.
- Cheng, Q., Hallmann, A., Edwards, L., and Miller, S.M. (2006) Characterization of a heat-shock inducible *hsp70* gene of the green alga *Volvox carteri*. **Gene** **371**:112-120.
- Cheng, Q., Pappas, V., Hallmann, A., and Miller, S.M. (2005) Hsp70A and GlsA interact as chaperone partners to regulate asymmetric cell division in *Volvox*. **Dev. Biol.**, 286:537-48.
- Cheng, Q., Fowler, R., Tam, L-W., Edwards, L., and Miller, S.M. 2003. The role of GlsA in the evolution of asymmetric cell division in the green alga *Volvox carteri*. **Dev. Genes Evol.** **213**:328-335.
