

Photomovements

Chair: **K.J. Hellingwerf** (Amsterdam, NED)

Invited Lectures:

Microbial rhodopsins: structure and mechanism in photomotility

J.L. Spudich, E.N. Spudich, J. Sasaki, C.-S. Yang (Houston TX, USA)

Roles for photoactivated adenylyl cyclase (PAC) in photocontrol of flagellar movement in euglenoid cells

M. Watanabe^{1,4}, S. Matsunaga¹, S. Yoshikawa², M. Iseki^{3,4} (¹Hayama, JPN; ²Obama, JPN; ³ Kawaguchi, JPN; ⁴Okazaki, JPN)

Phototaxis and signal transduction in the cyanobacterium *Synechocystis sp* PCC6803

D. Bhaya, J.T. Ross, F. Fazeli, M.S. Burriesci (Stanford CA, USA)

A balanced purple-bacterial motility response to illumination.

K.J. Hellingwerf¹, M.A. van der Horst¹, J.P. Armitage², M. Roberts² (¹Amsterdam, NED; ²Oxford, GBR)

Oral Presentations:

Signal perception and response in benthic diatom photomovement

D. McLachlan^{1,2}, A.R. Taylor², R.J. Geider¹, G.J.C. Underwood¹, C. Brownlee² (¹Colchester, GBR; ²Plymouth, GBR)