

## Ilme Schlichting

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### EDUCATION AND TRAINING

- 1979-1987 Heidelberg University, Diploma studies in biology and physics  
1987-1990 Heidelberg University, Max Planck Institute for medical Research, Dept. of Biophysics, Ph.D.  
1990-1992 Brandeis University, Waltham, USA, postdoctoral fellow  
1992-1994 Max Planck Institute for medical Research, Dept. of Biophysics, junior group leader  
1994-2002 Max Planck Institute for molecular Physiology, Dortmund, Dept. of Biophysical Chemistry, group leader  
2002- Max Planck Institute for medical Research, Dept. of Biomolecular Mechanisms, director

### SELECTED PUBLICATIONS

- Schlichting, I., Almo, S.C., Rapp, G., Wilson, K., Petratos, K., Lenfter, A., Wittinghofer, A., Kabsch, W., Pai, E.F., Petsko, G.A. & Goody, R.S. (1990) Time resolved X-ray crystallographic study of the conformational change in Ha-ras p21 protein on GTP hydrolysis. *Nature* 345, 309-315.
- Schlichting, I., Berendzen, J. Phillips, G.N. Jr. & Sweet, R.M. (1994) Crystal structure of photolysed carbonmonoxy-myoglobin. *Nature* 371, 808-812.
- Chu, K., Vojtechovsky, J., McMahon, B.H., Sweet, R.M., Berendzen, J. & Schlichting, I. (2000) Structure of a ligand binding intermediate in wildtype carbonmonoxy myoglobin. *Nature* 403: 921-923.
- Schlichting, I., Berendzen, J., Chu, K., Stock, A.M. Maves, S.A., Benson, D.E., Sweet, R.M., Ringe, D., Petsko, G.A. & Sligar, S.G. (2000) The Catalytic pathway of Cytochrome P450cam at Atomic Resolution. *Science* 287: 1615-1622.
- Jung, A., Domratcheva, T., Tarutina, M., Wu, Q., Ko, W., Shoeman, R.L., Gomelsky, M. Gardner, K.H. Schlichting, I. (2005) Structure of a bacterial BLUF photoreceptor: Insights into blue light-mediated signal transduction *Proc. Natl. Acad. Sci. USA*: 102: 2350-2355.

### RESEARCH GRANTS

DFG Forschergruppe Blue light photoreceptors FOR 526. Period of Support: 2004-2007, SFB 623 Molecular Catalysts: Structure and functional Design. Period of Support: 2005-2009.

### AWARDS

- 2003 Fellow of the American Physical Society, Carus Medaille, Member of Deutsche Akademie der Naturforscher Leopoldina;
- 2002 Corresponding member of the Akademie der Wissenschaften Nordrheinwestfalen; Gottfried-Wilhelm-Leibniz Preis;
- 1998 Ernst Schering Forschungspreis; C3 Position ' for the advancement of excellent female scientists in the Max Planck Society';

1995 Invited visiting professor of Kyoto University

1991 Otto Hahn Medaille; Karl Lohmann Preis;

1990 Feodor Lynen Stipend.