

7. Publikationen

Inomata, K.; Hammam, M.A.S.; Kinoshita, H.; Murata, Y.; Khawn, H.; Noack, S.; Michael, N.; Lamparter, T. (2005). Sterically Locked Synthetic Bilin Derivatives and Phytochrome Agp1 from *Agrobacterium tumefaciens* Form Photoinsensitive Pr- and Pfr-like Adducts.

J. Biol. Chem. 280, 24491-24497

Inomata, K., Noack, S., Hammam, M.A.S., Khawn, H., Kinoshita, H., Murata, Y., Michael, N., Scheerer, P., Krauss, N., Lamparter, T. (2006). Assembly of synthetic locked chromophores with *Agrobacterium* phytochromes Agp1 and Agp2. J. Biol. Chem. 281, 28162-28173

Scheerer, P., Michael, N., Park, J.H., Noack, S., Förster, C., Hammam, M.A.S., Inomata, K., Choe, H.W., Lamparter, T., Kraus, N. (2006). Crystallization and preliminary X-ray crystallographic analysis of the N-terminal photosensory module of phytochrome Agp1, a biliverdin-binding photoreceptor from *Agrobacterium tumefaciens*. J. of Structural Biology. 153, 97-102

Noack, S., Michael, N., Rosen, R., Lamparter, T. (2007). Protein conformational changes of *Agrobacterium* phytochrome Agp1 during chromophore assembly and photoconversion. Biochemistry

Noack, S. and Lamparter, T. (2006); Light modulation of histidine-kinase activity in bacterial phytochromes monitored by size exclusion chromatography, crosslinking and limited proteolysis. „Methods in Enzymology“

7.1. Konferenzbeiträge während der Promotion

Mai 2004	Internationales Symposium (Sfb 498) in Caputh. Poster: P. Scheerer, C. Förster, S. Noack, N. Michael, J. H. Park, H. W. Choe, N. Krauß, T. Lamparter Biochemical characterization and crystallization of phytochrome Agp1 from the plant pathogen <i>Agrobacterium tumefaciens</i>
September 2004	Botanikertagung an der Technischen Universität Carolo-Wilhelmina zu Braunschweig. Poster: S. Noack, N. Michael, K. Inomata, M. A. S. Hammam, Y. Murata, H. Kinoshita, T. Lamparter Biochemical characterization of phytochrome Agp1 from the plant pathogen <i>Agrobacterium tumefaciens</i>
Oktober 2004	Havel-Spree-Kolloquium an der HU-Berlin. Vortrag: S. Noack, N. Michael, K. Inomata, M. A. S. Hammam, Y. Murata, H. Kinoshita, T. Lamparter "Agp1-light induced conformational changes of a bacterial photoreceptor and function of its domains"
September 2005	Sfb-Präsentation (Begutachtung) an der FU-Berlin. Poster: P. Scheerer, S. Noack, N. Michael, J. H. Park, H. W. Choe, N. Krauß, T. Lamparter Bilin interaction and structure analysis of bacterial phytochromes
Dezember 2005	Havel-Spree-Kolloquium an der Universität Potsdam Vortrag: S. Noack, N. Michael, K. Inomata, M. A. S. Hammam, H. Kinoshita, Y. Murata, H. Khawn, T. Lamparter "Agrobacterium phytochrome Agp1 -Meaning and interaction of protein domains during photoconversion"
Januar 2006	Sfb-Kolloquium an der FU-Berlin. Vortrag: S. Noack, N. Michael, R. Rosen, T. Lamparter, Protein conformational changes during photoconversion of phytochrome
April 2006	International Plant Photobiology Meeting in Paris. Vortrag und Poster: S. Noack, N. Michael, K. Inomata, M. A. S. Hammam, H. Kinoshita, Y. Murata, H. Khawn, T. Lamparter <i>Agrobacterium</i> phytochrome Agp1 – what happens during photoconversion of a bacterial photoreceptor