# 8 PUBLIKATIONEN

Brücker, G. Untersuchungen zum Phototropismus des Mooses *Ceratodon purpureus* Brid. mit Methoden der somatischen Hybridisierung und Mikroinjektion. Diplomarbeit (1997).

Lamparter, T., Brücker, G., Esch, H., Hughes, J., Meister, A., Hartmann, E. Somatic hybridisation with aphototropic mutants of the moss *Ceratodon purpureus*: genome size, phytochrome photoreversibility, tip-cell phototropism and chlorophyll regulation. J. Plant Physiol. 153, 394-400 (1998).

Brücker, G., Zeidler, M., Kohchi, T., Hartmann, E., Lamparter, T. Microinjection of heme oxygenase genes rescues phytochrome-chromophore-deficient mutants of the moss *Ceratodon purpureus*. Planta 210, 529-535 (2000).

Lamparter, T., Brücker, G. Phytochrome in mosses. Buchkapitel in 'New Frontiers in Bryology: Physiology, Molecular Biology & Applied Genomics'. Editoren: Wood, A., Oliver, M., Cove, D. Kluwer Publishing. Veröffentlichungs-Termin: Herbst 2003.

Lamparter, T., Kagawa, T., Brücker, G.,Wada, M. Positive and negative tropic curvature induced by microbeam irradiation of protonemal tip cells of the moss *Ceratodon purpureus*. Manuskript eingereicht (2003).

Brücker, G. Zell- und molekularbiologische Untersuchungen zum Phototropismus in den Moosen *Ceratodon purpureus* und *Physcomitrella patens*. Dissertation (März 2003).

Repp, A., Brücker, G., Tischendorf, G., Hartmann, E., Hughes, J., Zeidler, M. Overexpression of CerpuPHY2 in *Physcomitrella patens* (Arbeitstitel). Manuskript in Vorbereitung.

Mittmann, F., Brücker, G., Zeidler, M., Repp, A., Abts, T., Hartmann, E., Hughes, J. Phytochromes mediate light-direction sensing in *Physcomitrella*. Manuskript eingereicht (2003).

Brücker, G., Mittmann, F., Hartmann, E., Lamparter, T. Efficient gene replacement by homologous recombination in the moss *Ceratodon purpureus* (Arbeitstitel). Manuskript in Vorbereitung.

## 8.1 Konferenzbeiträge während der Promotion:

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| 08/98 | Botanikertagung in Bremen: Poster “Microinjecting moss protonemata” und Kurzvortrag “Aphototropic mutants of the moss *Ceratodon purpureus* are complimented by rat heme oxygenase”. |
| 11/98 | Havel-Spree-Colloquium an der TU-Berlin: Vortrag “Phenotypic repair of phototropic mutants by microinjection”. |
| 03/99 | ESOP – European Symposium On Photomorphogenesis: Poster “Complementation of moss aphototropic mutants by microinjecting heme oxygenase genes”. |
| 04/00 | Gordon Research Conference “Photosensory Receptors & Signal Transduction” in Il Ciocco, Italy: Poster “Phytochrome genes in mosses: Overexpression and knockout” |
| 09/02 | Moss 2002 in Ambleside, UK: Vortrag “Efficient gene substitution in the moss *Ceratodon purpureus*” und Poster “Cloning, knockout and physiology of the phytochrome family in *Physcomitrella patens*” |