

Aktivitäten der Abteilung KEMPKEN in 2010

VERÖFFENTLICHUNGEN

1. BRUHS A, KEMPKEN F (2011) RNA editing in plant mitochondria. In: KEMPKEN F (ed) Plant Mitochondria. Springer Verlag, New York, Dordrecht, Heidelberg, London, pp157-176
2. HIHLAL E, BRAUMANN I, VAN DEN BERG M, KEMPKEN F(2011) *Vader* is a suitable element for transposon mediated mutagenesis in *Aspergillus niger*. Applied Environment Microbiol, zur Veröffentlichung angenommen
3. REMACLE C, HAMEL P, LAROSA V, SALINAS T, BONNEFOY N, KEMPKEN F (2011) Mitochondrial transformation and in vitro DNA delivery. In: BOCK R, KNOOP V (eds) Genomics of Chloroplasts and Mitochondria. Springer, Dordrecht, im Druck
4. ALLGAIER S, WEILAND N, HAMAD I, KEMPKEN F (2010) Expression of ribonuclease A and ribonuclease N₁ in the filamentous fungus *Neurospora crassa*. Appl Microbiol Biotechnol 85:1041-1049
5. KEMPKEN F, ROHLFS M (2010) Fungal secondary metabolite biosynthesis – a chemical defence strategy against antagonistic animals? Fungal Ecol 3:107-114
6. KEMPKEN F (2010) Engineered male sterility in plant hybrid breeding. In: KEMPKEN F, JUNG C (eds) Genetic modification of plants - agriculture, horticulture & forestry. Springer Verlag, New York, Dordrecht, Heidelberg, London, pp253-265
7. NOWROUSIAN M, STAJICH J, ENGH I, ESPAGNE E, KAMEREWERD J, KEMPKEN F, KUNSTMANN B, KUO H-C, OSIEWACZ HD, PÖGGELER S, READ N, SEILER S, SMITH K, ZICKLER D, KÜCK U, FREITAG M (2010) Next-generation sequencing of the 40 Mb genome of the filamentous fungus *Sordaria macrospora*. PLoS Genet 6:e1000891

BUCHDITIONEN

1. KEMPKEN F (2011) Plant Mitochondria. Springer Verlag, New York, Dordrecht, Heidelberg, London (ed)
http://www.springer.com/life+sciences/plant+sciences/book/978-0-387-89780-6?cm_mmc=EVENT- -BookAuthorEmail- -
2. KEMPKEN F, JUNG C (2010) Genetic Modification of Plants - Agriculture, Horticulture & Forestry. Springer Verlag, New York, Dordrecht, Heidelberg, London (eds)
<http://www.uni-kiel.de/Botanik/Kempken/doc/GMO-book-flyer.pdf>

KONGRESSBEITRÄGE

1. KEMPKEN F, HIHLAL E, BRAUMANN I, VAN DEN BERG M (2010) The *Vader* element is suitable for transposon mutagenesis in *Aspergillus niger*. Eurofung Meeting, Egmond aan Zee, Niederlande, pp10 (**Vortrag**)

2. BRUHS A, SCHMIDT T, KEMPKEN F (2010) A pentatricopeptiderepeat protein from *Arabidopsis thaliana* influences translation of the mitochondrial *cox2* mRNA, ISE Meeting, Tromsö **(Vortrag)**
3. FOHGRUB U, KEMPKEN F (2010) Fungal-Insect Competition and the secondary metabolism. Workshop 'symbiotic interactions in plants and animals', Kiel **(Vortrag)**
4. KEMPKEN F, HIHLAL E (2010) Transposon *Vader*. From a mobile element towards a molecular tool. Abstracts of '10th European Conference on Fungal Genetics', Leeuwenhorst, pp182
5. KEMPKEN F, FOHGRUB U, TRIENENS M, ROHLFS M (2010) Secondary metabolism and its impact on ecological interactions with insects. Abstracts of '10th European Conference on Fungal Genetics', Leeuwenhorst, pp28
6. KEMPKEN F, KOLLATH-LEIB (2010) The ER protein BEM46 influences hyphal development upon ascospore germination '3rd European Neurospora Meeting (Satellite Meeting of ECFG10)' **(Vortrag)**
7. NOWROUSIAN M, STAJICH J, ENGH I, ESPAGNE E, KAMEREWERD J, KEMPKEN F, KUNSTMANN B, KUO H-C, OSIEWACZ HD, PÖGGELER S, READ N, SEILER S, SMITH K, ZICKLER D, KÜCK U, FREITAG M (2010) Next-generation sequencing of the 40 Mb genome of the ascomycete *Sordaria macrospora*. Abstracts of '10th European Conference on Fungal Genetics', Leeuwenhorst, pp182
8. WILLEKE C, KEMPKEN F (2010) Hypoxia influence on transcriptome and mitochondrial proteome of *Arabidopsis thaliana*. 23. Tagung 'Molekularbiologie der Pflanzen', Wermelskirchen-Dabringhausen

AKADEMISCHE SCHRIFTEN

1. GRÜTTNER S (2010) *In organello* RNA-Aufnahme und -Edierung pflanzlicher Mitochondrien. Bachelorarbeit, Math.-Naturw. Fakultät, Christian-Albrechts-Universität zu Kiel
2. PETERSEN N (2010) Analyse des RNA-Spleißens nach Integration des Transposons *Vader* in Intronsequenzen. Bachelorarbeit, Math.-Naturw. Fakultät, Christian-Albrechts-Universität zu Kiel
3. SCHMIDT T (2010) Funktionelle Charakterisierung zweier mitochondrialer PPR-Proteine aus *Arabidopsis thaliana*. Masterarbeit, Fakultät für Agrar und Ernährungswissenschaften, Christian-Albrechts-Universität zu Kiel

DRITTMITTELEINWERBUNG

1. EU-Teilprojekt "Natural products from marine fungi for the treatment of cancer" (bewilligt)
2. Beteiligung an der International Max-Planck Research School „Evolution“ (bewilligt)
3. Beteiligung an SFB-Vorantrag "Evolution of metaorganisms"