

PEER-REVIEWED PUBLICATIONS:

Frenck G, van der Linden L, Mikkelsen TN, Brix H & Jørgensen RB. 2011. **Increased [CO₂] does not compensate for negative effects on yield caused by higher temperature and [O₃] in *Brassica napus* L.** *European Journal of Agronomy*, 35 (3), 127-134.

Clausen SK, Frenck G, Linden LG, Mikkelsen TN, Lunde C & Jørgensen RB. 2011. **Effects of Single and Multifactor Treatments with Elevated Temperature, CO₂ and Ozone on Oilseed Rape and Barley.** *Journal of Agronomy and Crop Science*, 197 (6), 442-453.

Frenck G, van der Linden L, Mikkelsen TN, Brix H, Jørgensen RB. 2013. **Response to multi-generational selection under elevated [CO₂] in two temperature regimes suggests enhanced carbon assimilation and increased reproductive output in *Brassica napus* L.** *Ecology and Evolution*, 3 (5), 1163-1172.

Alemayehu FR, Frenck G, van der Linden L, Mikkelsen TN, Jørgensen RB. 2014. **Can barley adapt to fast climate changes? - A controlled selection experiment,** *Genetic Resources and Crop Evolution*, 61 (1), 151-161

Frenck G, Brix H, van der Linden L, Mikkelsen TN, Jørgensen RB. 2014 Manuscript submitted/ in review - **Rapid trans-generational response of leaf eco-physiological traits to manipulated CO₂ × temperature regimes in *Brassica napus***

OTHER SCIENTIFIC COMMUNICATIONS:

Frenck G, Jørgensen RB, Clausen SK, v d Linden L, Mikkelsen TN, Lunde C, Brix H. **Barley and oilseed rape production might decrease in the future climate.** Poster presented at: Beyond Kyoto: Addressing the Challenges of Climate Change - Science meets Industry, Policy and Public. Aarhus (DK), 5-7 Mar. 2009

Jørgensen RB, Clausen SK, Frenck G, v d Linden L, Mikkelsen TN, Lunde C, Brix H. **Barley and oilseed rape production might decrease in the future climate.** Poster presented at: Climate Change: Global Risks, Challenges and Decisions. Copenhagen (DK), 10-12 Mar. 2009, *IOP Conference Series: Earth and Environmental Science*, 6, 372024

Frenck G, v d Linden L, Mikkelsen TN, Brix H, Jørgensen RB. **Single and interactive effects of elevated temperature, [CO₂] and [O₃] on the population structure of crop plants.** Poster presented at: Adaptation Potential in Plants – FEBS Workshop. Vienna (A), 19-21 Mar. 2009, *Abstracts*, 50

Jørgensen RB, Frenck G, v d Linden L, Mikkelsen TN. **Adaptation of genetic resources to a changing climate.** Poster presented at: Workshop on changes in marine and terrestrial productivity under climate change. Lyngby (DK), 12-13 May, 2009, *Abstracts*, 8-9

Frenck G, v d Linden L, Mikkelsen TN, Brix H, Jørgensen RB. **Single and interactive effects of elevated temperature, [CO₂] and [O₃] on barley and oilseed rape in multiple generations.** Talk at: Meeting of the German Botanical Society 2009. Leipzig (GER), 6-10 Sep. 2009, *Abstracts*, S24, 3

Frenck G, v d Linden L, Mikkelsen TN, Brix H, Jørgensen RB. **Effects of climate change – CO₂, O₃ and temperature – on production in barley and oilseed rape.** Talk at: Climate Change and Agricultural Production in the Baltic Sea Region– Focus on Effects, Vulnerability and Adaptation – NJF Seminar 430. Uppsala (SE), 4-6 Sep. 2010, *Abstracts*, 47

Frenck G, v d Linden L, Mikkelsen TN, Brix H, Jørgensen RB. **Rapid evolutionary alteration of eco-physiological and fitness related traits of plants in response to elevation of carbon dioxide concentration and temperature.** Talk at: The Future of Biodiversity: Genes, Species, Ecosystems – 40th Anniversary Conference of the Ecological Society of Germany, Austria and Switzerland. Giessen (GER), 30 Aug.-3 Sep. 2010, *Verhandlungen der Gesellschaft für Ökologie* 40, 181

Frenck G, v d Linden L, Mikkelsen TN, Brix H, Jørgensen RB. **Phenotypic divergence of ecophysiological traits under manipulated [CO₂] and temperature conditions in Brassica napus over five generations.** Talk at: Annual Meeting of the Society of Experimental Biology -SEB. Salzburg (AUT), 29 Jun. -2 Jul. 2012, *Abstracts*

Frenck G, Jones G, Rees M, Osborne CP. **Did the post-glacial increase in atmospheric CO₂ level provide a selective productivity advantage to crop progenitor species.** Departmental Seminar, University of Illinois at Chicago, 29 Jul 2013

Frenck G, Jones G, Rees M, Osborne CP. **Did the post-glacial increase in atmospheric CO₂ level provide a selective productivity advantage to crop progenitor species.** Talk at: ESA 2013 annual meeting. Minneapolis (USA), 4 -9 Aug. 2013, *Abstracts*

Frenck G, Jones G, Rees M, Osborne CP. **Did the post-glacial increase in atmospheric CO₂ level provide a selective productivity advantage to crop progenitor species.** Talk at: IntEcol 2013. London (UK), 18 -23 Aug. 2013, *Abstracts*

Peer-Reviews for *New Phytologist*, *Journal of Experimental Botany*, *Functional Ecology*, *Journal of Ecology*

Member of *BES*, *ESA*, *SEB*