

Curriculum Vitae

Eva Holtgrewe Stukenbrock

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PERSONAL DATA:

Nationality: Danish

Birth day: 14.09.1976

Children: Esben, born 18.03.2007 and Arthur born 04.12.2013

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EDUCATION:

09/2004-05/2007: **PhD programme (PhD)**, ETH Zurich, Switzerland

09/2002 – 04/2004: **Master programme (MSc)**, University of Copenhagen, Denmark

09/1998 – 06/2002: **Bachelor Programme (BSc)**. University of Copenhagen, Denmark

EMPLOYMENT:

08/2014-PRESENT: **Max Planck Professor**, Christian-Albrechts University of Kiel and Max Planck Institute of Evolutionary Biology, Kiel and Ploen, Germany

02/2012-07/2014: **Max Planck Research Group Leader**, MPRG Fungal Biodiversity, Max Planck Institute for Terrestrial Microbiology, Marburg, Germany

05/2010-01/2012: **Project Group Leader**, Max Planck Institute for Terrestrial Microbiology, Marburg, Germany

06/2008-04/2010: **Post doc**, Bioinformatics Research Center, University of Århus, Denmark

01/2008-05/2008: Maternity leave

05/2007- 12/2007: **Post doc**, Plant Pathology, ETH Zurich, Switzerland

KEY RESEARCH TOPICS

- Adaptive evolution in pathogens
- Evolutionary genomics
- Population genomics
- Chromatic biology and epigenetics in fungal pathogens
- Molecular interactions between host and pathogen

AWARDS:

- Post doctoral fellowship, Danish Research Council 2008
- L'Oreal-UNESCO 2008 national fellowship for women in science
- ETH medal November 2007 given for an outstanding PhD dissertation

RESEARCH GRANTS:

- **08/2014:** Individual grant from the State of Schleswig Holstein, Christian-Albrechts University of Kiel and the Max Planck Society for the establishment of a new Max Planck Research Group “Environmental genomics”
- **04/2010:** Individual grant from the Max Planck Society for the establishment of the Max Planck Research Group “Fungal Biodiversity”
- **10/2008:** National fellowship of L’Oreal-UNESCO
- **05/2008:** Post doctoral grant from the Faculty of Sciences, University of Copenhagen.
- **05/2008:** Post doctoral grant, The Danish Natural Science Research Council

10 MOST IMPORTANT PEER REVIEWED PUBLICATIONS:

Kellner R, Bhattacharyya A, Poppe S, Hsu TY, Brem RB, **Stukenbrock EH**. 2014. Transcriptome sequencing at early stage infection of the wheat pathogen *Z. tritici* reveals chromosomal differences in transcription patterns and host specific gene expression. *Genome Biol and Evol.* 6 (6), S. 1353–1365. DOI: 10.1093/gbe/evu101

Stukenbrock EH 2013. Evolution, Selection and isolation: A genomic view of speciation in fungal plant pathogens. *New Phytologist* 199(4): 895–907. (invited Tansley review)

Brunner PC, Torriani SFF, Croll D, **Stukenbrock EH**, McDonald BA. 2013. Coevolution and life cycle specialization of plant cell wall degrading enzymes in a hemibiotrophic pathogen. *Mol Biol Evol* 30(6), 1337-1347

Stukenbrock EH, Christiansen FB, Hansen TH, Dutheil JY, Schierup MH. 2012. Fusion of two divergent fungal individuals led to the recent emergence of a new widespread pathogen species. *Proc. Natl. Acad. Sci. USA*. doi: 10.1073/pnas.1201403109

Torriani SFF, **Stukenbrock EH**, Brunner PC, McDonald BA, Croll D (2011) Evidence for extensive recent intron transposition in closely related fungi. *Current Biology*, vol. 21(6) 2017–2022

Stukenbrock EH, Bataillon T, Dutheil JY, Hansen TT, Li R, Zala M, McDonald BA, Wang J, Schierup MH (2011). The making of a new pathogen: Insights from comparative population genomics of the domesticated wheat pathogen *Mycosphaerella graminicola* and its wild sister species. *Genome Research* doi: 10.1101/gr.118851.110
(featured in *Nature Reviews Microbiology Reid AJ (2012) Adapting to domesticity. Nat Rev Micro 10: 163-163*).

Stukenbrock EH, Jørgensen FG, Zala M, Hansen TT, McDonald BA, Schierup MH. (2010). Whole genome and chromosome evolution associated with host adaptation and speciation of the wheat pathogen *Mycosphaerella graminicola*. *PLoS Genet.* 6(12): e1001189. doi:10.1371/journal.pgen.1001189

Stukenbrock EH, McDonald BA. 2008. The evolutionary emergence of plant pathogens in Agroecosystems. *Annual Review of Phytopathology* . 46:75-100

Stukenbrock EH, Banke S, Javan-Nikkhah M, McDonald BA. 2007. Origin and domestication of the fungal wheat pathogen *Mycosphaerella graminicola* via sympatric speciation. *Molecular Biology and Evolution* 24: 398-411

Friesen TL, **Stukenbrock EH**, Liu Z, Meinhardt S, Ling H, Faris JF, Rasmussen JB, Solomon PS, McDonald BA, Oliver RP. 2006. Emergence of a new disease as a result of interspecific virulence gene transfer. *Nature Genetics* 38: 953-956