Prof. Dr. Eva H. Stukenbrock

Date and place of birth: 14.09.1976, Silkeborg, Denmark

Affiliation:
Botanical Institute,
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Current position: Professor (tenured) W3

Education and career:

1998 - 2004	Msc in Biology, University of Copenhagen, Denmark
2004 – 2007	PhD, ETH Zurich, Switzerland
2007	Post doc, Plant Pathology, ETH Zurich, Switzerland
2008 – 2010	Post doc, Bioinformatics Research Center, University of Aarhus, Denmark
2010 – 2012	Project Group Leader, Max Planck Institute for Terrestrial Microbiology, Marburg, Germany
2012 – 2014	Max Planck Research Group Leader, MPRG Fungal Biodiversity, Max Planck Institute for Terrestrial Microbiology, Marburg, Germany
Since 2014	W3 Max Planck Professor, Christian-Albrechts University of Kiel and Max Planck Institute of Evolutionary Biology, Kiel and Ploen, Germany

Selected Awards and Functions:

2007	ETH medal November 2007 given for an outstanding PhD dissertation
2008	L'Oreal-UNESCO 2008 national fellowship for women in science
since 2012	Steering committee member of the DFG Priority Programme "Rapid evolutionary adaptation: Potential and constraints" SPP1819
2014-2024	Max Planck Fellow
since 2016	Vice-Speaker of the Kiel Evolution Center
since 2017	Associate editor PLoS Genetics
since 2018	Member of the Dioscuri Committee of the Max Planck Society
Since 2019	Speaker and co-founder of Kiel Plant Center?
Since 2019	Member of the Plant Expert Panel of the German Research Council
Since 2019	CIFAR fellow of the Canadian Institute for Advanced Research (CIFAR)
2020	Academy Fellow, the American Academy of Microbiology
2022	Associated Member, the French Academy of Science
2022	ERC consolidator grant for the project "FungalSecrets"
2023	Elected Member of the European Academy of Arts and Sciences
2024	Rudolf Heitefuß-Auszeichnung für wissenschaftliche Leistungen

Funded Projects as PI (last 10 years):

- 05/2023: ERC consolidator grant, FungalSecrets 2 Mill €
- 03/2020: Co-Principal Investigator, CIFAR catalyst funding programme, 15,000CAN$

- 03/2019: Co-Principal Investigator and CIFAR fellow “The Fungal Kingdom”, 30,000€
- 06/2019: Principal Investigator, DFG TransEvo GRK 2501, 356.469€
- 10/2018-9/2021 Co-Principal Investigator Cluster of Excellence ROOTS, 68.000€
- 04/2019-03/2022: Principal Investigator, DFG SPP1819, 247,700€
- 09/2017: Co-PI ESEB network training group, 60,000
- 11/2015-10/2019: Principal Investigator DFG SFB1182, 482,900€
- 08/2015: Principal Investigator DFG Research Instrument, 276,500€
- 06/2015-05/2018: Principal Investigator DFG SPP1819, 305,150€

- 08/2014-07/2020: Principal Investigator. Individual grant from the State of Schleswig Holstein, Christian-Albrechts University of Kiel, 5 million € and individual grant and fellowship from the Max Planck Society, 1 million €.

- 02/2012-07/2014: Principal Investigator. Individual grant and fellowship from the Max Planck Society, yearly budget 413,000€. With the funding E.H. Stukenbrock established the independent Max Planck Research Group “Fungal Biodiversity” at the Max Planck Institute for Terrestrial Microbiology in Marburg, Germany.

- ***Ten most important peer-reviewed publications:***

1. Seybold, H., Demetrowitsch, T., Hassani, M.A., Szymczak, S., Reim, E., Haueisen, J., Rühlemann, M., Franke, A., Schwarz, K. and **Stukenbrock, E.H**., 2020. Hemibiotrophic fungal pathogen induces systemic susceptibility and systemic shifts in wheat metabolome and microbiome composition. Nature Communications, 11(1), pp.1-12.
2. Möller M, Schotanus K, Soyer J, Haueisen J, Happ K, Stralucke M, Happel P, Smith KM, Connolly LR, Freitag M, **Stukenbrock EH**. 2019. Destabilization of chromosome structure by histone H3 lysine 27 methylation. Plos Genetics, 5(4), p.e1008093
3. Habig M, Kema G, **Stukenbrock E**. 2018. Meiotic drive of female-inherited supernumerary chromosomes in a pathogenic fungus. Elife. e40251.
4. **Stukenbrock EH** and Dutheil JY. 2018. Comparison of fine-scale recombination maps in fungal plant pathogens reveals dynamic recombination landscapes and intragenic hotspots. Genetics 208.3: 1209-1229
5. Habig M, Quade J, **Stukenbrock EH.** 2017. Forward genetics approach reveals host-genotype dependent importance of accessory chromosomes in the fungal wheat pathogen Zymoseptoria tritici. mBio 8.6: e01919-17.
6. Möller, M and **Stukenbrock EH.** 2017. Evolution and genome architecture in fungal plant pathogens. Nature Reviews Microbiology: 15.12: nrmicro-2017
7. Schotanus K, Soyer J, Connolly L, Grandabuert J, Happel P, Smith K, Freitag M, **Stukenbrock EH**. 2015. Histone modifications rather than the novel regional centromeres of Zymoseptoria tritici distinguish core and accessory chromosomes. Epigenetics and Chromatin, 8:41
8. Poppe S, Dorsheimer L, Happel P and **Stukenbrock EH**. 2015. Rapidly Evolving Genes are Key Players in Host Specialization and Virulence of the Fungal Wheat Pathogen Zymoseptoria tritici (Mycosphaerella graminicola). PLoS Pathog 11(7): e1005055.
9. **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. 109(27), 10954-10959.
10. **Stukenbrock EH**, Bataillon T, Duthei 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 21(12), 2157-2166