Curriculum Vitae

Dr. Björn Krenz

Current work address

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Working group: VirusInteract
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Education

University of Stuttgart Stuttgart, Germany
PhD degree, 2007
(molecular biology and virology of plants)

University of Stuttgart Stuttgart, Germany
Diploma, 2003
(plant virology, bioinformatics, biochemistry and genetics)

Research interests

- Plant-virus interactions
- Plant stress response
- Intra- and intercellular virus trafficking
- Plant virus transmission
- Biogenesis of virus-induced cellular structures

Research experience

Current position
2017- Braunschweig, Germany

Leibniz-Institut DSMZ-Deutsche Sammlung
von Mikroorganismen und Zellkulturen GmbH
Independent group leader „VirusInteract“

Akad. Rat a.Z.
2014-2017

Universität Erlangen-Nürnberg Erlangen, Germany
Working group leader “Molecular plant virology”

Post-Doc
2011-2014

Cornell University Ithaca, USA
Postdoctoral associate within the
Dept. Plant Pathology & Plant-Microbe Biology, Cornell University.

Post-Doc
2007-2011

University Stuttgart Stuttgart, Germany

Post-doctoral position at the "International reference centre for the genomics and diagnosis of viruses with small circular DNA". Dept. of Molecular Biology and Virology of Plants, University of Stuttgart.

Grad student research
2003-2007

University Stuttgart Stuttgart, Germany

Doctoral thesis "Gene silencing and the Abutilon mosaic virus" at the Dept. of Molecular Biology and Virology of Plants, University of Stuttgart.

Awards & achievements

Jan 2006 Scholarship: Fellowship by the German Academic Exchange Service
Jul 2004 Scholarship: Fellowship by the Land of Baden-Wuerttemberg 2004 and 2005

Selected publications

Krapp S, Schuy C, Greiner E, Stephan I, Alberter B, Funk C, Marschall M, Wege C, Bailer SM, Kleinow T, **Krenz B*.** (2017) Begomoviral Movement Protein Effects in Human and Plant Cells: Towards New Potential Interaction Partners. Viruses. 2017 Nov 9;9(11).

Krapp S, Greiner E, Amin B, Sonnewald U, **Krenz B*.** (2017) The stress granule component G3BP is a novel interaction partner for the nuclear shuttle proteins of the nanovirus pea necrotic yellow dwarf virus and geminivirus abutilon mosaic virus. Virus Res 227:6-14.

Krenz B*, Schießl I, Greiner E**,** Krapp S. (2017) Analyses of Pea necrotic yellow dwarf virus encoded proteins. Virus Genes. 2017 Jun;53(3):454-463.

Krenz, B, Deuschle, K., Deigner, T., Unseld, S., Kepp, G., Wege, C., Kleinow, T. & Jeske, H. (2015b). Early Function of the Abutilon Mosaic Virus AC2 Gene as a Replication Brake. J Virol 89, 3683–3699.

Krenz B, Bronikowski A, Lu X, Ziebell H, Thompson JR, Perry KL. (2015a) Visual monitoring of Cucumber mosaic virus infection in *Nicotiana benthamiana* following transmission by the aphid vector *Myzus persicae*. J Gen Virol. 96, 2904-2912.