



Curriculum Vitae Prof. Dr. Jane Parker



Name: Jane Parker

Born: 1960

Academical and Professional Career

- since 2009 Professor - Institute for Genetics, University of Cologne
- 2004 Max-Planck Fellow: 5 years independent position at Max-Planck Institute for Plant Breeding Research, Cologne
- 2001 Senior Group Leader at Max-Planck Institute, Cologne. Dept. Plant Microbe Interactions
- 1998 Junior Group Leader at Sainsbury Laboratory, John Innes Centre, Norwich, UK
- 1990 - 1998 Postdoctoral Research Associate at Sainsbury Laboratory, John Innes Centre, Norwich, UK
- 1987 - 1990 Postdoctoral Fellow at Max-Planck Institute for Plant Breeding Research, Cologne
- 1983 - 1986 Doctorate: Prof. M. Merrett, University of Wales, Swansea UK. Thesis: Developmental regulation of protein synthesis in *Euglena gracilis*
- 1979 - 1983 University Degree, University of Bradford: Applied Biology

Honours and Awarded Memberships (Selection)

- 2004 - 2009 Max-Planck Society 'C3' Independent Research Fellowship
- 2001 Alexander von Humboldt 'Sofja Kowaleskaja' Prize for scientific excellence

Major Scientific Interests

Jane Parker is a plant biologist who over the last 25 years has made seminal contributions to our understanding of plant innate immunity. During the 1990s, while working at The Sainsbury Laboratory in Norwich, UK, Parker embarked on a genetic dissection of immunity in the model plant *Arabidopsis thaliana*. Her research led to the isolation of fundamentally important immunity components which helped to create a molecular genetic framework for local and systemic disease resistance in plants. In 2001, Parker moved to a senior independent Group Leader position in the Department of Plant-Microbe Interactions at The Max-Planck Institute for Plant Breeding Research in Cologne, Germany, and in 2009 became Associate Professor with The Institute for Genetics at The University of Cologne. In Cologne, she continues to be fascinated by disease resistance pathway dynamics in cells and tissues and has published key papers on plant cellular reprogramming for effective defence. An emerging interest is to understand how immunity systems operate in natural plant populations by exploring evolutionary and molecular forces underlying resistance locus diversification and local adaptation.