



**Simposio Internacional:** Microorganismos beneficiosos para la agricultura y la protección de la biosfera

**International Symposium:** Beneficial Microbes for Agriculture and Biosphere Protection

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**CV**

## Ray Dixon

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### Education

- 1969 B.Sc. Microbiology, University of Reading
- 1973 D.Phil. Microbial Genetics, University of Sussex

### Posts Held

- 1973-1975 Postdoctoral Fellow, University of Sussex
- 1976-1995 Research Scientist: Nitrogen Fixation Laboratory, University of Sussex
- 1995-present Project Leader and Professor of Molecular Microbiology, John Innes Centre, Norwich

### Honours and prizes

- 1983 Fleming Award, Society for General Microbiology
- 1987 Elected member of EMBO
- 1999 Fellow of the Royal Society
- 2012 Honorary Doctorate, University of Stockholm

Ray Dixon has worked on genetic analysis of nitrogen fixation and biochemical characterisation of its transcriptional control for more than four decades. His current research focuses on signal transduction cascades that regulate nitrogen fixation genes in response to oxygen, carbon and fixed nitrogen status. He is also studying molecular mechanisms that control the activity of transcription factors in response to nitric oxide. A long-term goal of his research is to exploit and engineer nitrogen fixation genes for agricultural benefit.