

## CV PROF. DR BEN LUGTENBERG

Born March 16, 1941 in Olst, The Netherlands.

1965. Doctoral degree Chemistry from Utrecht University.

1971. PhD on genetics and biochemistry of peptidoglycan synthesis in *Escherichia coli*.  
Utrecht University.

1972/1973. Postdoc at the University of Connecticut Health Center, Farmington, CN,  
USA with Prof. Mary-Jane Osborn.

1973-1983. Utrecht University. Leader of research group Structure, Biogenesis and  
Function of outer membranes of Gram-negative bacteria.

1983-2006. Leiden University. Full professor of Microbiology.

Activities include(d):

- Co-director of a Gordon Conference on Bacterial Cell Surfaces, NH, USA (1984)
- Organizer of two NATO Advanced Research Workshops in 1986 and 1989.
- Organizer of the 3<sup>rd</sup> European Nitrogen Fixation Conference (1997).
- Leader TNO-Leiden University Center of Phytotechnology (1986-1996)
- Recipient of many EU grants (Human Capital and Mobility; Biotech; Training and Mobility of Researchers; Marie Curie).
- Recipient of numerous Dutch grants (BION/ ALW; CW; STW; EET)
- Coordinator of 3 INTAS programs with former Soviet states.
- Supervisor of approx. 45 PhD theses.
- Director of Science of the Institute of Molecular Plant Sciences (1999-2001)
- President of the International Society of Molecular Plant-Microbe Interactions (2001-2003)
- Advisory Board Member of the Max-Planck-Institute for Plant Breeding, Cologne (1988-1993).
- Member INTAS board of science (2003-2008)
- Advisory Board Member of German Microbial Genomics Network (2004 - 2007)
- Elected as Foreign Member of the Russian Academy of Agricultural Sciences.

2006- now. Emeritus Professor in the Department of Molecular Microbiology and  
Biotechnology in the Institute of Biology of Leiden University.

Activities include(d):

- Coordinating an INTAS-Uzbekistan project on biocontrol under harsh agricultural conditions, i.e. in salinated soil.
- Supervising graduate student Natalia Malfanova from the Russian-Dutch Center of Excellence; (research on bacterial endophytes).
- Writing reviews and book chapters
- Panel member of the European Research Council (ERC) for Environmental Biotechnology (2008- )
- Member evaluation panel Leuven University.
- Member Advisory Board Belgian nanotechnology network
- Writing evaluations for Faculty of 1000
- Evaluating manuscripts.
- Consultant for plant microbial disease control problems

During my scientific career I studied the following research topics:

- Cell division in *Escherichia coli*.
- Genetics and biochemistry of peptidoglycan synthesis in *Escherichia coli*.  
Structure, Biogenesis and Function of outer membranes of Gram-negative bacteria.
- Genetics and biochemistry of nodulation by *Rhizobium*.
- Biological control of plant root diseases by (mainly) *Pseudomonas* and *Bacillus* bacteria.
- Bacterial endophytes

Several patents to improve nodulation and control of plant diseases.

Whole research period:

- Over 240 peer-reviewed publications
  - Over 13 000 ISI citations
  - Hirsch index 65.
- Note that I have published under the names Lugtenberg EJJ, Lugtenberg EJ, Lugtenberg BJJ, Lugtenberg BJ, and Lugtenberg B.
- Pdf's of many publications can be found on ResearchGate
- URL ResearchGate:

[https://www.researchgate.net/profile/Ben\\_Lugtenberg/](https://www.researchgate.net/profile/Ben_Lugtenberg/)