Genetic regulation of phenazine-1-carboxamide synthesis by Pseudomonas chlororaphis strain PCL1391

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CURRICULUM VITAE

Geneviève Girard was born on the 21st of February 1979 in Les Lilas (Seine-St Denis, France). After obtaining the baccalauréat in 1995, she started a 2-year study in the BCPST section (Biologie, Chimie, Physique et Sciences de la Terre/Biology, Chemistry, Physics and Geology) of the Lycée Hoche in Versailles (Yvelines, France). In 1997 she entered the Ecole Normale Supérieure in Cachan (Val de Marne, France). In 1999 she obtained a master degree in Biochemistry at the University Denis Diderot of Paris (Paris 7) and visited the Netherlands for the first time for a training period of 6 months at Genexpress (Biochemistry Laboratory, Leiden University) under the direction of Prof. Kees Pleij. In 2000 she got the agrégation of SVT (Sciences de la Vie et de la Terre/Biology and Geology). In 2001 she was back at the University of Leiden for a training period of 10 months at Genexpress in collaboration with the group of Prof. Herman Spaink (Molecular Cell Biology) and obtained a Master degree in Biology *cum laude*. She did her PhD study in the Microbiology group of Prof. Ben Lugtenberg between September 2001 and February 2006. She is currently working as a molecular virologist at Crucell in Leiden.

SCIENTIFIC WORK

Publications

- Van Meerten D, Girard G, van Duin J. Translational control by delayed RNA folding: identification of the kinetic trap. RNA (2001) **7** (3):483-494.
- Girard G, Roussis A, Gultyaev AP, Pleij CW, Spaink HP. Structural motifs in the RNA encoded by the early nodulation gene *enod40* of soybean. Nucleic Acids Res. (2003) **31** (17): 5003-5015.
- van Rij T, Girard G, Lugtenberg, BJJ, Bloemberg GV. Influence of fusaric acid on phenazine-1-carboxamide synthesis and gene expression of *Pseudomonas chlororaphis* strain PCL1391. Microbiology (2005) **151**: 2805-2814.
- Girard G, van Rij ET, Lugtenberg BJJ, Bloemberg GV. Regulatory roles of *psrA* and *rpoS* in phenazine-1-carboxamide synthesis by *Pseudomonas chlororaphis* PCL1391. Microbiology (2006), **152**: 43-58.
- Girard G, Barends S, Rigali S, van Rij ET, Lugtenberg BJJ, Bloemberg GV. Role of the novel transcriptional regulator Pip in phenazine synthesis and stress resistance *in Pseudomonas chlororaphis* PCL1391. *Submitted*.

Oral presentations

- Presentation at the EPS symposium in Amsterdam (10/01/2003): Set up of a micro-array technique to study the genetic regulation of phenazine production in biocontrol strain *Pseudomonas chlororaphis* PCL1391
- Presentation at the ALW Platform Molecular Genetics (28-29/10/2004) in Lunteren: Genetic regulation of the biosynthesis of the biofungicide phenazine-1-carboxamide in *Pseudomonas chlororaphis* PCL1391
- Poster at the 10th international congress on *Pseudomonas* in Marseille (27-31/08/2005): Regulatory roles of *psrA* and *rpoS* in phenazine-1-carboxamide synthesis by *Pseudomonas chlororaphis* PCL1391