



## Vicky De Winter

Peripheral Neuropathy Group  
Department of Molecular Genetics, VIB, Antwerp, Belgium  
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### Education

BSc Biomedical Sciences, Karel-de-Grote Hogeschool Hoboken, 2006  
FELASA category B, Katholieke Hogeschool Kempen Geel, 2007

### Position

2007 Lab technician

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### Keywords

Peripheral Neuropathy, Charcot-Marie-Tooth, Small heat shock protein, cell modeling, animal modeling

### Technology

Since my childhood I have always had an interest in science. I want to unravel the unknown and learn new things every day. After my studies as a Professional Bachelor in Biomedical sciences, I started my career in a pharmaceutical company as a lab technician in research and development. I learned a lot about the development of drugs, how to screen compounds on activity, using cellular models. During my young career, I realized how important in vivo research is and I subscribed to the FELASA category B course of which I obtained a certificate. After one year, I have decided to continue in fundamental research and I started to work at VIB Molecular Genetics in Antwerp. Here I continued as a lab technician in a research group, immersing myself in the molecular cell biology of peripheral neuropathies. As a backbone of this group, I master all in house techniques, I perform complex experiments to support scientific personnel, I guide other technicians and students and I assure good organization of the lab. The research field I'm working in, is Charcot-Marie-Tooth-Disease, particularly the subtypes caused by mutations in the small Heat Shock Proteins B1 and B8. One day, I hope, the Peripheral Neuropathy Group will realize a therapy for patients with these diseases.

### Expertise

Create and maintain iPScells of human fibroblasts  
GTPyS signal transduction  
Radioligand binding with cell membranes  
Real time calcium mobilization assay (FLIPR)  
Cell culture