

# CURRICULUM VITAE

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**First Name:** Luc  
**Work Address:** Beta Cell Neogenesis Unit (BENE)  
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## Education

**2009-present:** Postdoctoral fellow Fund for Scientific Research Flanders (FWO Vlaanderen).  
Cell Differentiation Unit – Diabetes Research Center  
Free University of Brussels (VUB).  
**2008-2009:** Postdoctoral position on project Juvenile Diabetes Research Foundation (JDRF).  
Cell Differentiation Unit – Diabetes Research Center  
Free University of Brussels (VUB).  
**2003-2008:** PhD in Medical Sciences (Doctoraat in de Medische Wetenschappen). PhD defens on 27th June 2008.  
Cell Differentiation Unit – Diabetes Research Center  
Free University of Brussels (VUB)  
Fellowship of the Institute for the promotion of Innovation through Science and Technology in Flanders (IWT Vlaanderen).  
**1999-2003:** Degree Master in Biomedical Sciences, VUB. Graduated with great distinction.  
**1993-1999:** Latin-Sciences Grammar school: Sint-Maarten Institute (SMI) Aalst. Graduated with great distinction.

## Language and Computer knowledge

Dutch: Mother tongue  
French: Good knowledge  
English: Good knowledge  
German: Reading

MS Word; MS Excel; MS PowerPoint; Leica and Zeiss software for confocal microscopy; Zeiss, Attovision, Volocity, Nikon, IPlab and Hamamatsu software for fluorescence microscopy; Outlook Express and Internet Explorer. Adobe Photoshop, Illustrator and Indesign, Graphpad Prism, FlowJo.

## Personalia

Marital status: Single

Nationality: Belgian

Date of Birth: 23rd of March 1981

Hobbies: Aikido, Iaido, Muy Thai, climbing, swimming, reading.

## Experience

1. **2002-2003** Internship in laboratory of Cell Differentiation (Prof. Bouwens), Free University of Brussels, Laarbeeklaan 103, B-1090 Jette, BELGIUM. **Thesis:** "In vitro transdifferentiation of pancreatic exocrine cells in relation to tissue regeneration." (Dutch)
2. **2003-2008** Ph.D.-student at Free University of Brussels, Laboratory of Cell Differentiation (Prof. Bouwens). Free University of Brussels, Laarbeeklaan 103, Jette.
  - (a) Research on exocrine-endocrine metaplasia and beta cell neogenesis by the use of microscopical techniques, molecular biology and statistical analysis of the experimental data.
  - (b) Supervising internship and thesis of 3<sup>rd</sup> year of Laboratory and Food Technology (Erasmus College Brussels) and 2<sup>nd</sup> year of Master in Biomedical Sciences (Free University Brussels).
  - (c) Responsible for the fluorescence and confocal microscopes VUB-DIFF.
3. **October 2008- October 2009:** Postdoctoral position on project Juvenile Diabetes Research Foundation (JDRF).
4. **October 2009 – present:** Postdoctoral fellow Fund for Scientific Research Flanders (FWO Vlaanderen)
5. Current work resulted in one accepted patent (PCT/BE2004/000089 EP30447164.9) and one patent in process (VUB040 PCT/EP2009/051542).

## Publications

### Journals with reading committee

**Baeyens L**, Bouwens L. *Cellular plasticity of the rodent pancreas*. Biol. Chem. 2009; 390(10): 995-1001. (IP: 3.035)

**Baeyens L**, Bonne S, Bos T, Rooman I, Peleman C, Lahoutte T, German MS, Heimberg H, Bouwens L. *Notch signaling as gatekeeper of rat acinar-to-beta cell conversion in vitro*. Gastroenterology 2009; 136(5): 1750-60. (IP: 12.716)

**Baeyens L**, Bouwens L. *Can beta-cells be derived from exocrine pancreas?* Diabetes Obes Metab 2008;10 Suppl 4:170-178. (IP: 3.441)

**Baeyens L**, Bonne S, German MS, Ravassard P, Heimberg H, Bouwens L. *Ngn3 expression during postnatal in vitro beta cell neogenesis induced by the JAK/STAT pathway*. Cell Death Differ 2006;13:1892-1899. (IP: 8.254)

Rooman I, De Medts N, **Baeyens L**, Lardon J, De Breuck S, Heimberg H, Bouwens L. *Expression of the Notch signaling pathway and effect on exocrine cell proliferation in adult rat pancreas*. Am J Pathol 2006;169:1206-1214. (IP: 5.487)

De Breuck S, **Baeyens L**, Bouwens L. *Expression and function of leukaemia inhibitory factor and its receptor in normal and regenerating rat pancreas*. Diabetologia 2006;49:108-116. (IP: 5.822)

**Baeyens L**, De Breuck S, Lardon J, Mfopou JK, Rooman I, Bouwens L. *In vitro generation of insulin-producing beta cells from adult exocrine pancreatic cells*. Diabetologia 2005;48:49-57. (IP: 5.822)

Tassenoy A, De Mey J, Stadnik T, De Ridder F, Peeters E, Van Schuerbeek P, Wylock P, Van Eeckhout GP, Verdonck K, Lamote J, **Baeyens L**, Lievens P. *Histological findings compared with magnetic resonance and ultrasonographic imaging in irreversible postmastectomy lymphedema: a case study*. Lymphat. Res. Biol. 2009; 7(3): 145-51.

Willekens I, Buls N, Lahoutte T, **Baeyens L**, Vanhove C, Caveliers V, Deklerck R, Bossuyt A, de Mey J. *Evaluation of the radiation dose in micro-CT with optimization of the scan protocol*. Contrast Media Mol Imaging. 2010 Jul;5(4):201-7. (IP: 3.392)

### **Books**

**Baeyens L**, Rooman I and Bouwens L. Stem Cell Therapy for Diabetes. Book chapter. Humana Press 2010. ISBN 978-1-60761-366-4.