



UNIVERSITE
PARIS DESCARTES

Les Sciences de l'Homme et de la Santé

Nele Boeckx

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27 years old

Belgian nationality.

Work experience

Aug 2013 – Present PhD student (University of Antwerp)

Title: *Towards improved treatment of metastatic colorectal cancer. Novel insights in tumor sidedness and liquid biopsies.*
Faculty of Medicine and Health Sciences, Center of Oncological Research and Center of Medical Genetics

Research stay: 18 October – 31 December 2016

Translational Research & Microfluidics Group (Paris Descartes) led by Prof. Pierre Laurent-Puig and Dr. Valerie Taly.
Goal: Analyzing circulating DNA samples with Raindance digital droplet technology (chapter 5)

Nov 2012 – June 2013 **Master thesis**

Human Molecular Genetics group, Center of Medical Genetics Antwerp, University of Antwerp

Promotor: Prof. Dr. Guy Van Camp

Mentor: Manou Sommen

Techniques: Sanger sequencing, polymerase chain reaction, gel electrophoresis, analysis next generation sequencing results

Mai – June 2012 **Research internship** (6 weeks)

Lab of Experimental Hematology of Professor Peter Ponsaerts, University of Antwerp

Skills: Assisting in mice experiments, cell culture and staining of tissue slides

Education

2013 – Present **PhD student in Medical Sciences**

Center of Oncological Research and Center of Medical Genetics, University of Antwerp

2011 – 2013 **Master of Science in Molecular and Cellular Biomedical Sciences**

Graduated with great distinction, University of Antwerp

2008 – 2011 **Bachelor in Biomedical Sciences**

Graduated with distinction, University of Antwerp

Publications

The predictive value of primary tumor location in patients with metastatic colorectal cancer: a systematic review. *Boeckx N**, Janssens K*, Van Camp G, Rasschaert M, Papadimitriou K, Peeters M, Op de Beeck K. Accepted in Critical Reviews in Oncology/Hematology

Primary tumor sidedness has an impact on prognosis and treatment outcome in metastatic colorectal cancer: results from two randomized first-line panitumumab studies. *Boeckx N*, Koukakis R, Op de Beeck K, Rolfo C, Van Camp G, Siena S, Tabernero J, Douillard JY, André T, Peeters M. *Annals of Oncology* - 28:8 (2017), p. 1862-1868

DNA diagnostics of hereditary hearing loss: a targeted resequencing approach combined with a mutation classification system. *Sommen M*, Schrauwen I, Vandeweyer G, *Boeckx N*, Corneveaux JJ, van den Ende J, Boudewyns A, De Leenheer E, Janssens S, Claes K, Verstreken M, Strenzke N, Predohl F, Wuyts W, Mortier G, Bitner-Glindzicz M, Moser T, Coucke P, Huentelman MJ, Van Camp G. *Human mutation* - 37:8 (2016), p. 812-819

Prognostic and predictive value of RAS gene mutations in colorectal cancer: moving beyond KRAS exon 2. *Boeckx N*, Peeters M, Van Camp G, Pauwels P, Op de Beeck K, Deschoolmeester V. *Drugs* - 75:15 (2015), p. 1739-1756

Anti-EGFR resistance in colorectal cancer: current knowledge and future perspectives. *Boeckx N*, Op de Beeck K, Deschoolmeester V, Van Camp G, Pauwels P, Peeters M. *Current colorectal cancer reports* - 10:4 (2014), p. 380-394

Presentations

Primary tumor sidedness has an impact on prognosis and treatment outcome: results from three randomized studies of panitumumab plus chemotherapy versus chemotherapy (plus bevacizumab) in 1st and 2nd line RAS/BRAF WT mCRC. Belgian Week of Gastroenterology, Hilton, Antwerp, 10/2/2017, oral presentation

Primary tumor sidedness impacts on prognosis and treatment outcome: results from three randomized studies of panitumumab plus chemotherapy versus chemotherapy or chemotherapy plus bevacizumab in 1st and 2nd line RAS/BRAF WT mCRC. *Boeckx N*, Toler A, Op de Beeck K, Kafatos G, Deschoolmeester V, Rolfo C, Lowe K, Van Camp G, Demonty G, Peeters M. ESMO 2016 Congress, Bella Center, Copenhagen, Denmark, 7-11/10/2016, poster presentation

Molecular biology and classification of CRC. Tour d'Europe 2014, "Preceptorship on angiogenesis in colorectal cancer and other cancers", Antwerp University Hospital, Antwerp, 23/10/2014, oral presentation

Grants

Sep 2017 – Feb 2018 **Finishing grant "Emmanuel van der Schueren (Kom Op Tegen Kanker)**

October 2016 **Travel Grant FWO (funding research stay Paris)**

October 2016 **Travel Grant (ESMO 2016 Congress in Copenhagen)**

March 2015 **Encouragement Grant (Flemish Association for Gastroenterology)**

