

Nele Boeckx

boeckxnele@gmail.com

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)**

