

## Nele Boeckx

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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, Huettelmann 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)**

