

## 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)**

