

PERSONAL INFORMATION

Pieter Colin

WORK EXPERIENCE

-
- September 2008-August 2009 **Stability Monitoring and Analytical Method Validation Manager**
Qualiphar NV (Belgium)
Development and validation of stability indicating analytical methods based on liquid-chromatography and gas-chromatography; Daily supervision of ongoing ICH stability studies.
- September 2009-September 2014 **Ph.D. student**
Ghent University (Belgium)
Ph.D. thesis: Towards model-based dose optimization of antibiotic and anti-cancer treatment regimens in specific patient populations.
Teaching: Practical courses in Medical Biochemistry (BSc Pharmacy, UGent, BE); Pharmacokinetics of antimicrobial agents (MSc Hospital Hygiene; UGent, BE)
- October 2014-October 2020 **Post-Doctoral Researcher**
Ghent University (Belgium)
Research: Pharmacokinetic pharmacodynamic optimization of ovarian and colorectal cancer treatments;
Supervision of 2 Ph.D. students; Project (grant) writing
- October 2014- Present **Associate Professor**
University Medical Center Groningen (Netherlands)
Research: Application of pharmacokinetic pharmacodynamic principles for treatment individualization of anaesthetic and antimicrobial agents.
Supervision of 3 Ph.D. students with topics in model-based treatment optimization in anesthesia and critical care;
Teaching: guest-lecture on pharmacokinetics and pharmacodynamics in anaesthesia (MSc Pharmacy, RUG, NL), guest lectures on principles of pharmacokinetics and pharmacodynamics (postgraduate training in anaesthesia EDAIC, NL and Midwifery VBOV, BE).
- January 2015- Present **External expert clinical pharmacokinetics-pharmacodynamics and modelling & simulation**
Federal Agency for Medicines and Health Products (FAMHP) (Belgium)
Provide advice on PKPD and modelling & simulation for the Belgian Medicines Agency

EDUCATION AND TRAINING

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- October 2003-July 2008 **Pharm.D.**
Ghent University (Belgium)

ADDITIONAL INFORMATION

Expertise Pharmacokinetic-Pharmacodynamic modelling and simulation; Hands-on experience in NONMEM, R, SAS; Advice on PKPD and M&S in regulatory submissions or Scientific Advice Working Party referrals.

Publications 2021
52 Eleveld D.J., Colin P.J., Hannivoort L.N., Absalom A.R., Struys M.M.R.F. Comment on Morse et al. A Universal Pharmacokinetic Model for Dexmedetomidine in Children and Adults. J. Clin. Med. 2020, 9, 3480. Comment. J. Clin. Med. 2021; 10(14): 3003. DOI 10.3390/jcm10143003 (IF 2020: 4.241 Rank: 39 out of 169 {Medicine, general & internal}, Q1, D3) **

- 51 T. Stohr, P.J. Colin, J. Ossig, M. Pesic, K. Borkett, P. Winkle, M.M.R.F. Struys, F. Schippers. Pharmacokinetic properties of remimazolam in subjects with hepatic or renal impairment. *British Journal of Anaesthesia*. DOI 10.1016/j.bja.2021.05.027 (IF 2020: 9.166 Rank: 2 out of 33 {Anesthesiology}, Q1, D1) **
- 50 Vellinga R., Hannivoort L.N., Koomen J.V., Colin P.J., Absalom A.R., Struys M.M.R.F, Eleveld D.J. Clinical validation of pharmacokinetic/pharmacodynamic models for propofol infusion. Response to *Br J Anaesth* 2021; 126: e172-4. Correspondence. *British Journal of Anaesthesia* 2021; 127(1): e3-5. DOI 10.1016/j.bja.2021.03.021 (IF 2020: 9.166 Rank: 2 out of 33 {Anesthesiology}, Q1, D1) **
- 49 Eleveld D.J., Colin P.J., Absalom A.R., Struys M.M.R.F. Resisting neural inertia: an exercise in floccinaucinihilipilification? *British Journal of Anaesthesia*. Editorial. *British Journal of Anaesthesia* 2021; 126(1): 31-34. DOI 10.1016/j.bja.2020.09.025 (IF 2020: 9.166 Rank: 2 out of 33 {Anesthesiology}, Q1, D1) **
- 48 De Schuyter K., Colin P.J., Vanommeslaeghe F., Delanghe S., De Cock P., Veys N., De Paepe P., Van Biesen W., Eloot S. Optimizing Amoxicillin/Clavulanic Acid Dosing Regimens in Patients on Maintenance High-Flux Hemodialysis. *American Journal of Kidney Diseases* 2021; DOI 10.1053/j.ajkd.2020.12.006 (IF 2020: 8.860 Rank: 7 out of 90 {Urology & nephrology}, Q1, D1) **

2020

- 47 Colin P.J., Eleveld D.J., Hart, A., Thomson A.H.. Do vancomycin pharmacokinetics differ between obese and non-obese patients? Comparison of a General-purpose and four obesity-specific pharmacokinetic models. *Therapeutic Drug Monitoring*. DOI 10.1097/FTD.0000000000000832 (IF 2020: 3.681 Rank: 9 out of 29 {Medical Laboratory Technology}, Q2, D3) **
- 46 F. Xie, J. Van Bocxlaer, P. Colin, C. Carlier, O. Van Kerschaver, J. Weerts, H. Denys, P. Tummers, W. Willaert, W. Ceelen, A. Vermeulen. PKPD Modeling and Dosing Considerations in Advanced Ovarian Cancer Patients Treated with Cisplatin-Based Intraoperative Intraperitoneal Chemotherapy. *AAPS Journal* 2020, 22(5): 96- . DOI 10.1208/s12248-020-00489-2 (IF 2020: 4.009 Rank: 110 out of 275 {Pharmacology & Pharmacy}, Q2) **
- 45 D.J. Eleveld, P.J. Colin, A.R. Absalom, M.M.R.F. Struys. Target-controlled infusion models for remifentanyl dosing consistent with approved recommendations. *British Journal of Anaesthesia*. DOI 10.1016/j.bja.2020.05.051 (IF 2020: 9.166 Rank: 2 out of 33 {Anesthesiology}, Q1, D1) **
- 44 P.J. Colin, D.J. Eleveld, A.H. Thomson. Genetic algorithms as a tool for dosing guideline optimisation: application to intermittent infusion dosing for vancomycin in adults. *Clinical Pharmacology and Therapeutics: Pharmacometrics and Systems Pharmacology*. DOI 10.1002/psp4.12512 (IF 2020: 4.054; Rank: 106 out of 275 {Pharmacology & Pharmacy}, Q2, D4) **
- 43 M.M. Sahinovic, J.P. van den Berg, P.J. Colin, P.L. Gambus, E.W. Jensen, M. Agusti, T. Ferreiro, M.M.R.F. Struys. Influence of an "electroencephalogram (EEG) based" monitor choice on the delay between the predicted propofol effect-site concentration and the measured drug effect. *Anesthesia & Analgesia* 2020; 131(4): 1184-1192. (IF 2020: 5.108 Rank: 7 out of 33 {Anesthesiology}, Q1, D3) **
- 42 Stijn Jonckheere, Nikolaas De Neve, Jan Verbeke, Koen De Decker, Inger Brandt, An Boel, Jan Van Bocxlaer, Michel M.R.F. Struys and Pieter J. Colin. Target Controlled Infusion of cefepime in critically ill patients: single center experience. *Antimicrobial Agents and Chemotherapy* 2020; 64(1): e01552-19 (IF 2020: 5.191 Rank: 57 out of 275 {Pharmacology & Pharmacy}, Q1, D3) **

2019

- 41 Merel H. Kuizenga, Pieter J. Colin, Koen M.E.M. Reyntjens, Daan J. Touw, Hasan Nalbat, Froukje H. Knotnerus, Hugo E.M. Vereercke, Michel M.R.F. Struys. Population Pharmacodynamics of Propofol and Sevoflurane in Healthy Volunteers Using a Clinical Score and the Patient State Index. A Crossover Study. *Anesthesiology* 2019; 161(6): 1223-1238 (IF 2019: 7.067 Rank: 1 out of 32 {Anesthesiology}, Q1, D1) **
- 40 Feifan Xie, Kaat De Clercq, Chris Vervaet, Jan Van Bocxlaer, Pieter Colin, An Vermeulen. Model-based analysis of treatment effects of paclitaxel microspheres in a microscopic peritoneal carcinomatosis model in mice. *Pharm. Res.* 2019; 36(9): 127 (IF 2019: 3.242. Rank: 97 out of 271 {Pharmacology & Pharmacy}, Q2) **

39 Dhaese S.A.M., Colin P., Willems H., Heffernan A., Gadeyne B., Van Vooren S., Depuydt P., Hoste E., Stove V., Verstraete A.G., Lipman J., Roberts J.A., De Waele J.J. Saturable elimination of piperacillin in critically ill patients: implications for continuous infusion. *International Journal of Antimicrobial Agents* 2019; 54(6): 741-749 (IF 2019: 4.621. Rank: 39 out of 271 {Pharmacology & Pharmacy}, Q1, D2) **

38 Maud A.S. Weerink, Clemens R.M. Barends, Ernesto R.R. Muskiet, Koen M.E.M. Reyntjens, Froukje H. Knotnerus, Martine R.N. Oostra, Jan F.P. van Bocxlaer, Michel M.R.F. Struys, Pieter J. Colin. Pharmacodynamic Interaction of Remifentanyl and Dexmedetomidine on Depth of Sedation and Tolerance of Laryngoscopy. *Anesthesiology* 2019; 131(5): 1004-1017 (IF 2019: 7.067 Rank: 1 out of 32 {Anesthesiology}, Q1, D1) **

37 Feifan Xie, An Vermeulen, Pieter Colin, Zeneng Cheng. A semiphysiological population pharmacokinetic model of agomelatine and its metabolites in Chinese healthy volunteers. *British Journal of Clinical Pharmacology* 2019; 85(5): 1003-1014 (IF 2019: 3.740. Rank: 71 out of 271 {Pharmacology & Pharmacy}, Q2) **

36 Griet Van Lancker, Luc Van Bortel, Brant Delafontaine, Koen Boussey, Eleonora Swart, Abdel Chahbouni, Jan Van Bocxlaer, Pieter Colin. Switchability of Gabapentin formulations: a randomised trial to assess bioequivalence between NEURONTIN(R) and GABASANDOZ(R) on the individual subject level. *Clinical Pharmacology & Therapeutics*; 2019; 106(1): 195-203 (IF 2019: 6.565. Rank: 16 out of 271 {Pharmacology & Pharmacy}, Q1, D1) **

35 P. Colin, K. Allegaert, A. H. Thomson, D. J. Touw, M. Dolton, M. de Hoog, J. A. Roberts, E. D. Adane, M. Yamamoto, D. Santos-Buelga, A. Martin-Suarez, N. Simon, F. S. Taccone, Y.L. Lo, E. Barcia, M.M.R.F. Struys, D. J. Eleveld. Vancomycin pharmacokinetics throughout life: results from a pooled population analysis and evaluation of current dosing recommendations. *Clin. Pharmacokinet.*; 2019; 58(6): 767-780 (IF 2019: 4.604. Rank: 40 out of 271 {Pharmacology & Pharmacy}, Q1, D2) **

34 F. Xie, K. Mantzarlis, P. Malliotakis, V. Koulouras, S. Degroote, D. Koulenti, S. Blot, K. Boussey, J. Van Bocxlaer, P. Colin. Pharmacokinetic evaluation of linezolid administered intravenously in obese patients with pneumonia. *Journal of Antimicrobial Chemotherapy*. 2019; 74(3): 667-674 (IF 2019: 5.439. Rank: 22 out of 271 {Pharmacology & Pharmacy}, Q1, D1) **

33 S. A. M. Dhaese, A. Farkas, P. Colin, J. Lipman, V. Stove, A. G. Verstraete, J. A. Roberts, J. J. De Waele. Population pharmacokinetics and evaluation of the predictive performance of pharmacokinetic models in critically ill patients receiving continuous infusion meropenem: a comparison of eight pharmacokinetic models. *Journal of Antimicrobial Chemotherapy*. 2019; 74(2): 432-441 (IF 2019: 5.439. Rank: 22 out of 271 {Pharmacology & Pharmacy}, Q1, D1) **

2018

32 P. J. Colin, M. H. Kuizenga, H. E. M. Vereecke and Michel M.R.F. Struys. Pharmacokinetic Pharmacodynamic perspective on the detection of signs of neural inertia in humans. Letter to the Editor. *Anesthesiology* 2018; 129: 373-374 (IF 2018: 6.424 Rank: 1 out of 31 {Anesthesiology}, Q1, D1) **

31 D. J. Eleveld, P. Colin, A. R. Absalom and Michel M.R.F. Struys. Pharmacokinetic-pharmacodynamic model for propofol for broad application in anaesthesia and sedation. *British Journal of Anaesthesia* 2018; 120(5): 942-959 (IF 2018: 6.199 Rank: 2 out of 31 {Anesthesiology}, Q1, D1) **

30 Pieter J. Colin, Stijn Jonckheere, Michel M.R.F. Struys. Target-Controlled Continuous Infusion for Antibiotic Dosing: Proof-of-Principle in an In-silico Vancomycin Trial in Intensive Care Unit Patients. *Clin. Pharmacokinet.* 2018; 57: 1435-1447 (IF 2018: 4.680. Rank: 30 out of 267 {Pharmacology & Pharmacy}, Q1, D2) ** [SharedIt: <http://rdcu.be/IuR0>]

29 Eveline Mestdagh, Olaf Timmermans, Pieter J. Colin, Bart Van Rompaey. A cross-sectional pilot study of student's proactive behavior in midwifery education: Validation of a developed questionnaire. *Nurse Education Today* 2018; 62: 22-29 (IF 2018: 2.442 Rank: 10 out of 41 {Education, scientific disciplines}, Q1, D3) **

28 M.H. Kuizenga, P.J. Colin, K.M.E.M. Reyntjens, D.J. Touw, H. Nalbat, F.H. Knotnerus, H.E.M. Vereecke, M.M.R.F. Struys. Test of neural inertia in humans during general anaesthesia. *British Journal of Anaesthesia* 2018; 120(3): 525-536 (IF 2018: 6.199 Rank: 2 out of 31 {Anesthesiology}, Q1, D1) **

27 Mieke Carlier, Alexandre Athanasopoulos, Danielle Borrey, Pieter Colin, ..., Veronique Stove. Proficiency testing for meropenem and piperacillin therapeutic drug monitoring: preliminary results from the Belgian Society on Infectiology and Clinical Microbiology PK-PD working group. Letter to

the Editor. *Therapeutic Drug Monitoring* 2018; 40(1): 156-158 (IF 2018: 2.047 Rank: 16 out of 29 {Medical Laboratory Technology}, Q3)

26 Huybrecht T'jollyn, An Vermeulen, Jan Van Bocxlaer, Pieter Colin A Physiologically Based Pharmacokinetic Perspective on the Clinical Utility of Albumin-Based Dose Adjustments in Critically Ill Patients. *Clin. Pharmacokinet.* 2018; 57(1): 59-69 (IF 2018: 4.680. Rank: 30 out of 267 {Pharmacology & Pharmacy}, Q1, D2) **

25 Feifan Xie, Elien De Thaye, An Vermeulen, Jan Van Bocxlaer, Pieter Colin. A dried blood spot assay for paclitaxel and its metabolites. *Journal of Pharmaceutical and Biomedical Analysis* 2018; 148: 307-315 (IF 2018: 2.983 Rank: 24 out of 84 {Chemistry, Analytical}, Q2) **

2017

24 P.J. Colin, L.N. Hannivoort, D.J. Eleveld, K.M.E.M. Reyntjens, A.R. Absalom, H.E.M. Vereecke, M.M.R.F. Struys. Dexmedetomidine pharmacodynamics in healthy volunteers: 2. Haemodynamic profile. *British Journal of Anaesthesia* 2017; 119(2): 211-220 (IF 2017: 6.499 Rank: 2 out of 31 {Anesthesiology}, Q1, D1) **

23 P.J. Colin, L.N. Hannivoort, D.J. Eleveld, K.M.E.M. Reyntjens, A.R. Absalom, H.E.M. Vereecke, M.M.R.F. Struys. Dexmedetomidine pharmacokinetic-pharmacodynamic modelling in healthy volunteers: 1. Influence of arousal on bispectral index and sedation. *British Journal of Anaesthesia* 2017; 119(2): 200-210 (IF 2017: 6.499 Rank: 2 out of 31 {Anesthesiology}, Q1, D1) **

22 Feifan Xie, Pieter Colin, Jan Van Bocxlaer. Electrospray ionization mass spectrometry for the hydrolysis complexes of cisplatin: implications for the hydrolysis process of platinum complexes *Journal of Mass Spectrometry* 2017; 52: 434-441 (IF 2017: 2.112 Rank: 47 out of 79 {Chemistry, Analytical}, Q3) **

21 Feifan Xie, Pieter Colin, Jan Van Bocxlaer. Zwitterionic hydrophilic interaction liquid chromatography-tandem mass spectrometry with HybridSPE-precipitation for the determination of intact cisplatin in human plasma. *Talanta* 2017; 174: 171-178 (IF 2017: 4.244 Rank: 9 out of 80 {Chemistry, Analytical}, Q1, D2) **

20 Maud A.S. Weerink, Michel M.R.F. Struys, Laura N. Hannivoort, Clemens R.M. Barends, Anthony R. Absalom, Pieter Colin Clinical Pharmacokinetics and Pharmacodynamics of Dexmedetomidine. *Clin. Pharmacokinet.* 2017; 56(8): 893-913 (IF 2017: 4.464. Rank: 29 out of 261 {Pharmacology & Pharmacy}, Q1, D2) **

19 E. Tommelein, E. Mehuys, I. Van Tongelen, M. Petrovic, A. Somers, P. Colin, S. Demarche, T. Van Hees, T. Christiaens, K. Boussery. Community pharmacists' evaluation of potentially inappropriate prescribing in older community-dwelling patients with polypharmacy: observational research based on the GheOP³S tool. *Journal of Public Health.* 2017; 39(3): 583-592 (IF 2017: 1.670. Rank: 102 out of 180 {Public, Environmental & Occupational health}, Q3)

2016

18 Stijn Jonckheere, Nikolaas De Neve, Hans De Beenhouwer, Mario Berth, An Vermeulen, Jan Van Bocxlaer, Pieter Colin. A model-based analysis of the predictive performance of different renal function markers for cefepime clearance in the ICU. *Journal of Antimicrobial Chemotherapy.* 2016; 71(9): 2538-2546 (IF 2016: 5.071. Rank: 23 out of 256 {Pharmacology & Pharmacy}, Q1, D1) **

17 Pieter Colin, Douglas J. Eleveld, Stijn Jonckheere, Jan Van Bocxlaer, Jan De Waele, An Vermeulen. What about confidence intervals? A word of caution when interpreting PTA simulations. *Journal of Antimicrobial Chemotherapy.* 2016; 71(9): 2502-2508 (IF 2016: 5.071. Rank: 23 out of 256 {Pharmacology & Pharmacy}, Q1, D1) **

16 Robin Michelet, Lien Dossche, Pauline De Bruyne, Pieter Colin, Koen Boussery, Johan Vande Walle, Jan Van Bocxlaer, An Vermeulen. Effects of Food and Pharmaceutical Formulation on Desmopressin Pharmacokinetics in Children. *Clin. Pharmacokinet.* 2016; 55(9): 1159-1170 (IF 2016: 5.216. Rank: 21 out of 256 {Pharmacology & Pharmacy}, Q1, D1) **

15 P.Colon, Douglas J. Eleveld, Johannes P. van den Berg, Hugo E.M. Vereecke, Michel M.R.F. Struys, Gustav Schelling, Christian C. Apfel, Cyrill Hornuss. Propofol Breath Monitoring as a Potential Tool to Improve the Prediction of Intraoperative Plasma Concentrations. *Clin. Pharmacokinet.* 2016; 55(7): 849-859 (IF 2016: 5.216. Rank: 21 out of 256 {Pharmacology & Pharmacy}, Q1, D1) **

14 Cecilia Larsson Wexell, Henrik Ryberg, Wivi-Anne Sjoberg Andersson, Susanne Blomqvist, Pieter Colin, Jan Van Bocxlaer, Gunnar Dahlen. Antimicrobial effect of a single dose of amoxicillin on the oral microbiota. *Clin. Implant Dent. R.* 2016; 18(4): 699-706 (IF 2016: 2.939. Rank: 12 out of 90 {Dentistry, oral surgery & medicine}, Q1, D2) **

13 P. De Paepe, P. Colin, P. Depuydt, A.-S. Decavele, J. De Smet, K. Boussery, C. Stove, D. Benoit, A. Verstraete, J. Van Bocxlaer, W. Buylaert. Disulfiram Inhibition of Cyanide Formation After Acetonitrile Poisoning. *Clin. Toxicol.* 2016; 54(1): 56-60 (IF 2016: 3.677. Rank: 19 out of 92)

{Toxicology}, Q1, D3)

12 Hugo E.M. Vereecke, Douglas J. Eleveld, Pieter Colin and Michel M.R.F. Struys. Performance of the Eleveld pharmacokinetic model to titrate propofol in an obese Japanese patient population. *Eur. J. Anaesthesiol.* 2016; 33(1): 58-59 (IF 2016: 3.570. Rank: 7 out of 31 {Anesthesiology}, Q1, D2) **
2015

11 Eline Tommelein, Els Mehuys, Mirko Petrovic, Annemie Somers, Pieter Colin, Koen Boussery. Potentially inappropriate prescribing in community dwelling older people across Europe: a systematic literature review. *Eur. J. Clin. Pharmacol.* 2015; 71(12): 1415-1427 (IF 2015: 2.710. Rank: 92 out of 253 {Pharmacology & Pharmacy}, Q2) **

10 H. T'jollyn, J. Snoeys, P. Colin, J. Van Bocxlaer, P. Annaert, F. Cuyckens, A. Vermeulen, A. Van Peer, K. Allegaert, G. Mannens, K. Boussery. Physiology-based IVIVE predictions of tramadol from in vitro metabolism data. *Pharm. Res.* 2015; 32(1): 260-274 (IF 2015: 3.260. Rank: 65 out of 253 {Pharmacology & Pharmacy}, Q2)

2014

9 P. Colin, L. De Smet, C. Vervaet, J.P. Remon, W. Ceelen, J. Van Bocxlaer, K. Boussery, A. Vermeulen. A Model based analysis of IPEC dosing of paclitaxel in rats. *Pharm. Res.* 2014; 31: 2876-2886 (IF 2014: 3.420. Rank: 64 out of 255 {Pharmacology & Pharmacy}, Q2)

8. P. Colin, L. De Smet, L. De Bock, W. Goeteyn, K. Boussery, C. Vervaet, J. Van Bocxlaer. Enzymatic tumour digestion coupled to SPE-UPLC- Tandem Mass Spectrometry as a tool to explore paclitaxel tumour penetration. *Talanta* 2014; 129: 119-125 (IF 2014: 3.545. Rank: 11 out of 74 {Chemistry, Analytical}, Q1, D2)

7. P. Colin, D.J. Eleveld, M.M.R.F. Struys, H. T'jollyn, L. Van Bortel, J. Ruige, J. De Waele, J. Van Bocxlaer and K. Boussery. Moxifloxacin dosing in post-bariatric surgery patients. *BJCP.* 2014; 78(1): 84-93 (IF 2014: 3.878. Rank: 46 out of 255 {Pharmacology & Pharmacy}, Q1, D2)

6. L. De Bock, P. Colin, K. Boussery and J. Van Bocxlaer. Quantification of cytochrome 2E1 in human liver microsomes using a validated indirect ELISA. *J. Pharm. Biomed. Anal.* 2014; 88: 536-541 (IF 2014: 2.979. Rank: 16 out of 74 {Chemistry, Analytical}, Q1, D3)

2013

5. P. Colin, L. De Bock, H. T'jollyn, K. Boussery, J. Van Bocxlaer. Development and validation of a fast and uniform approach to quantify -lactam antibiotics in human plasma by solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry. *Talanta* 2013; 103: 285-293 (IF 2013: 3.511. Rank: 12 out of 76 {Chemistry, Analytical}, Q1, D2)

2012

4. L. De Smet, P. Colin, W. Ceelen, M. Bracke, J. Van Bocxlaer, J. P. Remon, C. Vervaet. Development of a nanocrystalline paclitaxel formulation for hipec treatment. *Pharm Res* 2012; 29: 2398-2406 (IF 2012: 4.742. Rank: 26 out of 261 {Pharmacology & Pharmacy}, Q1, D1)

3. L. De Bock, P. Colin, K. Boussery, and J. Van Bocxlaer. Development and validation of an enzyme-linked immunosorbent assay for the quantification of cytochrome 3A4 in human liver microsomes. *Talanta* 2012; 99: 357-362. (IF 2012: 3.498. Rank: 12 out of 75 {Chemistry, Analytical}, Q1, D2)

2. L. De Bock, K. Boussery, P. Colin, J. De Smet, H. T'Jollyn, J. Van Bocxlaer. Development and validation of a fast and sensitive UPLC-MS/MS method for the quantification of six probe metabolites for the in vitro determination of cytochrome P450 activity. *Talanta* 2012; 89: 209-216. (IF 2012: 3.498. Rank: 12 out of 75 {Chemistry, Analytical}, Q1, D2)

1. De Smet J, Colin P, De Paepe P, Ruige J, Batens H, Vogelaers D, Blot S, Van Bocxlaer J, Van Bortel L, Boussery K. Oral bioavailability of moxifloxacin after roux-en-Y gastric bypass surgery. *J Antimicrob Chemother* 2012; 67(1): 226-229 (IF 2012: 5.338. rank: 18 out of 261 {Pharmacology & Pharmacy}, Q1, D1)

Projects

1. Pfizer Investigator-initiated research grant (2012 ASPIRE EU MRSA - 50 000); PI S. Blot (Department of internal medicine, Ghent University Hospital, Ghent, Belgium.) Pfizer tracking number: WS2278278. "Pharmacokinetic and pharmacodynamic evaluation of linezolid administered intravenously in morbidly obese patients with MRSA pneumonia." - Role: Involved researcher; responsible for, among other things, writing of the study protocol, bioanalysis of clinical samples, (population) PK modelling etc.

2. FWO "Research Project" (2015: FWO15/PRJ/165 - 183 744); PI: Jan Van Bocxlaer: "Towards a PD biomarker guided therapy for patients with peritoneal carcinomatosis: combining patient-derived xenograft models and translational PKPD modeling to pave the way for a new paradigm in intraperitoneal chemotherapy." - Role: Involved Researcher; responsible for writing of the grant

application, supervising the appointed PhD, cost allocation, etc.

3. BOF (Special Research Fund Ghent University) GOA grant (2016: 01G02916 - 1 473 000); PI: Wim Ceelen: "Intraperitoneal drug delivery for peritoneal carcinomatosis: from bench to bedside" - Role: co-promotor
4. "Kom op Tegen Kanker" grant (2016: - 322 000); PI: Wim Ceelen: "Intraperitoneal Aerosolisation of Albumin-stabilized paclitaxel nanoparticles for recurrent ovarian cancer" - Role: co-promotor

Memberships

Member of steering committee of Pharmacometrics Network Benelux
Member of American Society of Clinical Pharmacology and Therapeutics
Member of International Society of Pharmacometrics
Director at International Society of Anesthetic Pharmacology (ISAP)

Other Relevant Information

Peer reviewer for:

British Journal of Anaesthesia, Clinical Pharmacokinetics, Journal of Antimicrobial Chemotherapy, Journal of Pharmaceutical and Biomedical Analysis, Clinical Biochemistry, Analytical and Bioanalytical Chemistry, Cancer Chemotherapy and Pharmacology, Journal of Cystic Fibrosis

Courses attended:

The Sheiner/Rowland course on advanced methods in PKPD (USA, sept 2013)

Uppsala Pharmacometrics Summer school (SE, aug 2013)

Design and analysis of clinical trials (Institute for Continuing Education in Science, Ghent, BE, march 2011)

Advanced Statistical Concepts for Pharmacometricians (Janssen Pharmaceutica, BE, sep 2013)

Modeling Delays in Pharmacokinetics and Pharmacodynamics. (PAGE 2014, Alicante, Spain)

ALDO (Applied longitudinal data analysis in Oncology) (Lyon, FR, jul 2014)

The "Tidyverse" for pharmacometrics (PAGE 2017, Budapest, HU)