

PERSONAL INFORMATION

Bart Van der Schueren

WORK EXPERIENCE

-
- 2004–2008 **Clinical Pharmacologist**
Catholic University Leuven (Belgium)

 - 2004–2009 **Doctor of Medical Sciences**
Catholic University Leuven (Belgium)
PhD Research

 - 2008–2010 **Trainee in Endocrinology**
University Hospital Gasthuisberg (Belgium)

 - 2010–2011 **Post-doctoral Research Fellow**
New York Obesity Research Center (United States)

 - 2010–Present **Specialist in Internal Medicine and Endocrinology**
University Hospital Leuven (Belgium)

 - 2010–Present **Assistant professor**
University of Leuven (Belgium)

 - 2011–Present **Alternate Scientific Advice Working Party**
European Medicines Agency (Belgium)

 - 2013–September 2016 **Alternate CHMP**
European Medicines Agency (Belgium)

 - September 2016–Present **CHMP Member**
European Medicines Agency (Belgium)

EDUCATION AND TRAINING

-
- 1995–1998 **Medical Sciences**
Facultés Universitaires Notre-Dame de la Paix (Belgium)

 - 1998–June 2002 **Medicine**
Catholic University Leuven (Belgium)

 - June 2008 **Clinical Pharmacologisch**
NVKF (Netherlands)

 - June 2009 **Doctor of Medical Sciences**
Catholic University Leuven (Belgium)

- July 2009 **Specialist in Internal Medicine**
Catholic University Leuven (Belgium)
- 2008–2010 **Trainee in Endocrinology**
University Hospital Gasthuisberg (Belgium)
- July 2010 **Specialist in Endocrinology**
Catholic University Leuven (Belgium)

ADDITIONAL INFORMATION

- Expertise** Clinical Pharmacology
Obesity
Diabetes
- Publications** Papers
- Dooley J SJ, Garcia-Perez J, Vangoitsenhoven R, Papadopoulou S, Tian L, Schonefeldt S, Semeels L, Staats K, Van der Schueren B, De Strooper B, McGuinness O, Mathieu C, Liston A. The microRNA-29 family dictates the balance between homeostatic and pathological glucose handling in diabetes and obesity. *Diabetes*. 2015 [Accepted for publication]. (IF most recent: 8.10)
- Jans G, Matthys C, Bogaerts A, et al. Maternal micronutrient deficiencies and related adverse neonatal outcomes after bariatric surgery: a systematic review. *Advances in nutrition*. Jul 2015;6(4):420-429. (citations: 0) (IF most recent: 4.71)
- du Plessis J, van Pelt J, Korf H, et al. Association of Adipose Tissue Inflammation With Histologic Severity of Nonalcoholic Fatty Liver Disease. *Gastroenterology*. Sep 2015;149(3):635-648 e614. (citations: 1) (IF most recent: 16.72)
- Vangoitsenhoven, R., Maris, M., Overbergh, L., Van Loco, J., Mathieu, C., Van Der Schueren, B. (2015). Cereulide food toxin, beta cell function and diabetes: Facts and hypotheses, *Diabetes Research and Clinical Practice*, 109 (1), 1-5 (publ.: Elsevier Science Publishers B.V.); (citations: 0) (IF most recent: 2.54).
- Deloose, E., Janssen, P., Lannoo, M., Van Der Schueren, B., Depoortere, I., Tack, J. (2015). Higher motilin plasma levels in obese patients decrease after Roux-en-Y gastric bypass surgery and regulate hunger, *Gut* (publ.:BMJ Publishing Group); (citations: 0) (IF most recent: 14.66).
- Gesquiere, I., Darwich, A., Van Der Schueren, B., de Hoon, J., Lannoo, M., Matthys, C., Rostami, A., Foulon, V., Augustijns, P. (2015). Drug disposition and modelling before and after gastric bypass: immediate and controlled release metoprolol formulations, *British Journal of Clinical Pharmacology* (publ.: Blackwell Scientific Publications); (citations: 0) (IF most recent: 3.69).
- Gesquiere, I., Augustijns, P., Lannoo, M., Matthys, C., Van Der Schueren, B., Foulon, V. (2015). Barriers in the approach of obese patients undergoing bariatric surgery in Flemish hospitals, *Obesity Surgery* (publ.: Rapid Communications of Oxford); (citations:0) (IF most recent: 3.74).
- Van der Schueren B, Vangoitsenhoven R, Geeraert B, et al. Low cytochrome oxidase 411 links mitochondrial dysfunction to obesity and type 2 diabetes in humans and mice. *International journal of obesity*. Aug 2015;39(8):1254-1263. (citations: 0) (IF most recent: 5.00)
- Jans, G., Matthys, C., Lannoo, M., Van Der Schueren, B., Devlieger, R. (2015). Breast Milk Macronutrient Composition After Bariatric Surgery, *Obesity Surgery*, 25 (5), 938-941 (publ.: Rapid Communications of Oxford); (citations: 0) (IF most recent: 3.74).
- Lauria, A., Barker, A., Schloot, N., Hosszafalusi, N., Ludvigsson, J., Mathieu, C., Mauricio, D., Nordwall, M., Van Der Schueren, B., Mandrup-Poulsen, T., Scherbaum, W., Weets, I., Gorus, F., Wareham, M., Leslie, R., Pozzilli, P. (2015). BMI is an important driver of beta cell loss in type 1 diabetes upon diagnosis in 10-18 year old children, *European Journal of Endocrinology*, 172 (2), 107-113 (publ.: BioScientifica Ltd.); (citations: 0) (IF most recent: 3.69).

- Devroey, D., Rademecker, R., Van Der Schueren, B., Torbeyns, B., Jaken, R. (2014). Prevalence of persistent lipid abnormalities in statin-treated patients: Belgian results of the Dyslipidaemia International Study (DYSIS), *International Journal of Clinical Practice*, 68 (2), 180-187 (publ.: Medicom International); (citations: 3) (IF most recent: 2.54).
- Gesquiere, I., Aron-Wisnewsky, J., Foulon, V., Haggege, S., Van Der Schueren, B., Augustijns, P., Bouillot, J., Clement, K., Basdevant, A., Oppert, J., Buyse, M. (2014). Medication cost is significantly reduced after Roux-en-Y gastric bypass in obese patients, *Obesity Surgery*, 24 (11), 1896-903 (publ.: Rapid Communications of Oxford); (citations: 0) (IF most recent: 3.74).
- Gesquiere, I., Lannoo, M., Augustijns, P., Matthys, C., Van Der Schueren, B., Foulon, V. (2014). Iron Deficiency After Roux-en-Y Gastric Bypass: Insufficient Iron Absorption from Oral Iron Supplements, *Obesity Surgery*, 24 (1), 56-61 (publ.: Rapid Communications of Oxford); (citations: 5) (IF most recent: 3.74).
- Vangoitsenhoven, R., Rondas, D., Crèvecoeur, I., D'Hertog, W., Baatsen, P., Masini, M., Andjelkovic, M., Van Loco, J., Matthys, C., Mathieu, C., Overbergh, L., Van Der Schueren, B. (2014). Foodborne Cereulide causes Beta-cell dysfunction and apoptosis, *PloS one*, 9 (8), e104866 (citations: 3) (IF most recent: 3.53).
- Lannoo, M., Dillemans, B., Van Nieuwenhove, Y., Fieuws, S., Mathieu, C., Gillard, P., D'Hoore, A., Van Der Schueren, B. (2014). Bariatric surgery induces weight loss but does not improve glycemic control in patients with type 1 diabetes, *Diabetes Care*, 37 (8), e173-4 (publ.: American Diabetes Association); (citations: 2) (IF most recent: 8.57).
- Barker, A., Lauria, A., Schloot, N., Hosszufalusi, N., Ludvigsson, J., Mathieu, C., Mauricio, D., Nordwall, M., Van Der Schueren, B., Mandrup-Poulsen, T., Scherbaum, W., Weets, I., Gorus, F., Wareham, N., Leslie, R., Pozzilli, P. (2013). Age-dependent decline of β -cell function in type 1 diabetes after diagnosis: a multicentre longitudinal study, *Diabetes, Obesity & Metabolism*, 16 (3), 262-7 (publ.: Blackwell Science); (citations: 3) (IF publ. year: 5.46) (IF most recent: 5.46).
- GLP1 and cancer: friend or foe? Vangoitsenhoven R, Mathieu C, Van Der Schueren B. *Endocr Relat Cancer*. 2012 Jun 12.
- Decreased miR-181a Expression in Monocytes of Obese Patients Is Associated with the Occurrence of Metabolic Syndrome and Coronary Artery Disease. Hulsmans M, Sinnaeve P, Van der Schueren B, Mathieu C, Janssens S, Holvoet P. *J Clin Endocrinol Metab*. 2012 Apr 24.
- Accelerated Gastric Emptying but No Carbohydrate Malabsorption 1 Year After Gastric Bypass Surgery (GBP). Wang G, Agenor K, Pizot J, Kotler DP, Harel Y, Van Der Schueren BJ, Quercia I, McGinty J, Laferrère B. *Obes Surg*. 2012 Apr 15.
- Straight from D-Heart: vitamin D status and cardiovascular disease. Van der Schueren BJ, Verstuyf A, Mathieu C. *Curr Opin Lipidol*. 2012 Feb;23(1):17-23. Van der Schueren BJ, Homel P, Alam M, Agenor K, Wang G, Reilly D,
- Laferrère B. Magnitude and Variability of the Glucagon-Like Peptide-1 Response in Patients With Type 2 Diabetes up to 2 Years Following Gastric Bypass Surgery. *Diabetes Care*. 2012 Jan;35(1):42-6. Epub 2011 Nov
- Interictal type 1 cannabinoid receptor binding is increased in female migraine patients. Van der Schueren BJ, Van Laere K, Gérard N, Bormans G, De Hoon JN. *Headache*. 2012 Mar;52(3):433-40.
- Otelixizumab in the treatment of type 1 diabetes mellitus. Sprangers B, Van der Schueren B, Gillard P, Mathieu C. *Immunotherapy*. 2011 Nov;3(11):1303
- Van der Schueren BJ, Blanchard R, Murphy MG, Palcza J, De Lepeleire I, Van Hecken A, et al. The potent calcitonin gene-related peptide receptor antagonist, telcagepant, does not affect nitroglycerin-induced vasodilation in healthy men. *Br J Clin Pharmacol*. 2011 May;71(5):708-17.
- Vitamin D deficiency is not good for you. Mathieu C, Van der Schueren BJ. *Diabetes Care*. 2011 May;34(5):1245-6. Van der Schueren B, Green N, Gorroochum P, Teixeira J, Altiner S, Laferrère B.
- Low Vitamin D in Candidates for Bariatric Surgery: Are the Americans Better Off than the French? *Obes Surg*. 2011 May 13. Alam ML, Van der Schueren BJ, Ahren B, Wang GC, Swerdlow NJ, Arias S, et al.

Gastric bypass surgery, but not caloric restriction, decreases dipeptidyl peptidase 4 activity in obese patients with type 2 diabetes. *Diabetes Obes Metab.* 2011 Apr;13(4):378-381 Van der Schueren BJ, Verbrugge FH, Verbesselt R, Van Hecken A, Depre M, de Hoon JN.

No arguments for increased endothelial nitric oxide synthase activity in migraine based on peripheral biomarkers. *Cephalalgia.* 2010 Nov;30(11):1354-65. Hannan FM, Nesbit MA, Christie PT, Lissens W, Van der Schueren B, Bex M, et al.

A homozygous inactivating calcium-sensing receptor mutation, Pro339Thr, is associated with isolated primary hyperparathyroidism: correlation between location of mutations and severity of hypercalcaemia. *Clin Endocrinol (Oxf).* 2010 Dec;73(6):715-22.

Sinclair SR, Kane SA, Van der Schueren BJ, Xiao A, Willson KJ, Boyle J, et al. Inhibition of capsaicin-induced increase in dermal blood flow by the oral CGRP receptor antagonist, telcagepant (MK-0974). *Br J Clin Pharmacol.* 2010 Jan;69(1):15-22.

Van der Schueren BJ, Lunnnon MW, Laurijsens BE, Guillard F, Palmer J, Van Hecken A, et al. Does the unfavorable pharmacokinetic and pharmacodynamic profile of the iNOS inhibitor GW273629 lead to inefficacy in acute migraine? *J Clin Pharmacol.* 2009 Mar;49(3):281-90.

Van der Schueren BJ, Rogiers A, Vanmolkot FH, Van Hecken A, Depre M, Kane SA, et al. Calcitonin gene-related peptide8-37 antagonizes capsaicin-induced vasodilation in the skin: evaluation of a human in vivo pharmacodynamic model. *J Pharmacol Exp Ther.* 2008 Apr;325(1):248-55.

Van der Schueren BJ, de Hoon JN, Vanmolkot FH, Van Hecken A, Depre M, Kane SA, et al. Reproducibility of the capsaicin-induced dermal blood flow response as assessed by laser Doppler perfusion imaging. *Br J Clin Pharmacol.* 2007 Nov;64(5):580-90.

Vanmolkot F, Van der Schueren B, de Hoon J. Sumatriptan causes parallel decrease in plasma CGRP concentration and migraine headache during nitroglycerin-induced migraine attack. *Cephalalgia.* 2006 Aug;26(8):1037-8; author reply 8-9.

Vanmolkot FH, Van der Schueren BJ, de Hoon JN. Calcitonin gene-related peptide-induced vasodilation in the human forearm is antagonized by CGRP8-37: evaluation of a human in vivo pharmacodynamic model. *Clin Pharmacol Ther.* 2006 Mar;79(3):263-73.

Van Der Schueren B, Hammer F, Verschuren F, Hantson P, Deneys V, Hermans C. Angiographic documentation of the efficacy of recombinant activated factor VII (NovoSeven) to control diffuse bleeding in major trauma. *Thromb Haemost.* 2005 Dec;94(6):1327-8.

Van der Schueren B, Lambert M. Cough as the presenting symptom of large vessel vasculitis. *Clin Rheumatol.*

2005 Aug;24(4):411-4.22. Begg AC, Hofland I, Van Der Pavert I, Van Der Schueren B, Haustermans K. Use of thymidine analogues to indicate vascular perfusion in tumours. *Br J Cancer.* 2000 Oct;83(7):899-905.

Books

Jans, G., Van Der Schueren, B., Lannoo, M., Van der Schueren, B., Matthys, C., Devlieger, R. (2015). Zwangerschap na bariatrische heelkunde, In: *Reproductieve Geneeskunde, Gynaecologie en Obstetrie* anno 2015; (Slager, E eds.); 564-570 p. (publ.: DCHG Medische Communicatie - Hendrik Figeeweg 3G-20 - 2031 BJ Haarlem).

Diapedia website page on "cereulide" (<http://dx.doi.org/10.14496/dia.3105267811.3>)

Other publications

Kerckhofs, G., Sap, A., Plougonven, E., van Gastel, N., Durand, M., Vangoitsenhoven, R., Van Der Schueren, B., Léonard, A., Vandamme, K., Carmeliet, G., Parac-Vogt, T., Luyten, F., Geris, L. (2015). Novel contrast agents for contrast-enhanced CT to visualize in 3D the blood vessel network and fat cell distribution in bone marrow, In: *User Meeting Bruker MicroCT; Brugge*; 4-7 May 2015.

Durand, M., Kerckhofs, G., Van Der Schueren, B., Vangoitsenhoven, R., Luyten, F., Geris, L., Vandamme, K. (2015). Altered cortical macroporosity in high fat diet-induced type 2 diabetic mice revealed by nanofocus x-ray computed tomography, In: *Joint Meeting of European Calcified Tissue Society (ECTS) and the International Bone and Mineral Society (IBMS)*; Rotterdam, The Netherlands; 25-28 April 2015.

Matthys, C., Meulemans, A., Mathieu, C., Van Der Schueren, B. (2014). Midderraan dieet in de preventie en behandeling van diabetes, *Vlaams Tijdschrift voor Diabetologie*, 2, 25-27 (publ. Vlaamse

Diabetes Vereniging).

Gesquiere, I.(2015).Invloed van een gastric bypass op nutriënteninname en dispositie van oraal toegediende geneesmiddelen.Tijdschrift voor Voeding en Diëtetiek,41(5),19-21.

Gesquiere, I.,Foulon, V,Augustijns, P, Van Der Schueren, B. (2015).Influence of gastric bypass on nutrient intake and oral drug disposition (thesis).

22nd European Congress on Obesity (ECO2015), Prague, Czech Republic, May 6-9, 2015: Abstracts.

Obesity facts. 2015;8 Suppl 1:1-272.

Verbrugge FH, Vangoitsenhoven R, Mullens W, Van der Schueren B, Mathieu C, Tang WH. SGLT-2 Inhibitors: Potential Novel Strategy to Prevent Congestive Heart Failure in Diabetes? Curr Cardiovasc Risk Rep (2015) 9:38

Vangoitsenhoven R, Mertens A, Van der Schueren B. Diabetogeen effect van statines: wat is de evidentie? Vlaams tijdschrift voor Diabetologie 2015 nr. 1,10-12.

Vangoitsenhoven R, Maris M, Monteiro Carvalho Mori Cunha JP, Lannoo M, Mathieu C, Overbergh L, Van der Schueren B. Roux-en-Y gastric bypass improves glucose homeostasis and increases energy expenditure in diet induced obese mice.

Oral presentation at the Free Communications Meeting of the Belgian Association for the Study of Obesity (BASO), Liege, Belgium, February 28th, 2015.

Best presentation award.

Vangoitsenhoven R, Van den Eynde A, Van der Borgh W, Frederiks P, Lannoo M, Maris M, Mertens A, Mathieu C, Van der Schueren B. Long-term effects of gastric bypass surgery on psychosocial well-being and eating behavior.

Oral presentation at the Free Communications Meeting of the Belgian Association for the Study of Obesity (BASO), Liege, Belgium, February 28th, 2015.

Vangoitsenhoven R, Lemaire K, Wolden-Kirk H, Yamamoto Y, Van Lommel L, Schuit F, Kato S, Mathieu C, Van der Schueren B, Overbergh L. Effects of vitamine D receptor knockout and ablation on ligand binding in islets of Langerhans.

Poster presentation at the Vitamin D Workshop, Delft, The Netherlands, April 21-24, 2015.

Vangoitsenhoven R, Maris M, Monteiro Carvalho Mori Cunha JP, Lannoo M, Mathieu C, Overbergh L, Van der Schueren B. RYGB surgery improves glucose homeostasis and increases energy expenditure in mice.

Poster presentation at the National Diabetes Excellence Summit, Brussels, Belgium, April 25th, 2015.

Van der Schueren B, Frederiks P, Lannoo M, Maris M, Van der Borgh W, Van den Eynde A, Mertens A, Mathieu C, Vangoitsenhoven R. Long-term effects of gastric bypass surgery on psychosocial well-being and eating behavior.

Poster presentation at the 75th Scientific Sessions of the American Diabetes Association (ADA), Boston, MA (USA), June 5-9, 2015.

Vangoitsenhoven R, Maris M, Monteiro Carvalho Mori Cunha JP, Lannoo M, Mathieu C, Overbergh L, Van der Schueren B. Gastric bypass surgery in mice does not change islet size or composition.

Poster presentation at the 75th Scientific Sessions of the American Diabetes Association (ADA), Boston, MA (USA), June 5-9, 2015.

Vangoitsenhoven R, Van der Schueren B, Monteiro Carvalho Mori Cunha JP, Lannoo M, Mathieu C, Overbergh L, Maris M. A role for Wnt signaling in the reversal of metabolic disturbances after gastric bypass in obese mice.

Poster presentation at the 75th Scientific Sessions of the American Diabetes Association (ADA), Boston, MA (USA), June 5-9, 2015.

Projects

Memberships

2004-now: NVKF: Dutch Society of Clinical Pharmacology and Biopharmacy

2004-2009: ADMA: Anglo-Dutch Migraine Association

2004-2009: IHS: International Headache Society

2008-now: Belgian Endocrine Society

2012-now; Belgian Association for the study of obesity

2012-now: European Association for the study of diabetes

Other Relevant Information