

PERSONAL INFORMATION **Dominique Bullens**

WORK EXPERIENCE

January 2015- Present **clinic head pediatrics**
UZ Leuven (Belgium)
consultancy in pediatric allergy
senior researcher clinical investigator (FWO Flanders)
parttime professor KU Leuven
vice-president Ethical Committee UZ/KU Leuven

September 2007-December 2014 **adjunct-clinic head pediatrics**
UZ Leuven (Belgium)
consultancy in pediatric allergy
senior researcher clinical investigator (FWO Flanders)
parttime professor KULeuven

August 2000-October 2008 **postdoctoral researcher**
KULeuven (Belgium)
postdoctoral research lab exp immunology
part time consultant UZ Leuven: pediatric allergy

October 1995-August 2000 **PhD fellow**
KULeuven (Belgium)
aspirant researcher (FWO Flanders), PhD training
GSO pediatrics: clinical training

September 1992-October 1995 **assistant**
UZ Gent (Belgium)
GSO pediatrics: clinical training

EDUCATION AND TRAINING

October 1995-May 2000 **PhD Medical Sciences**
KULeuven (Belgium)
Th2 cytokine production in allergic diseases: in depth study of the regulation of their production and their influence on antigen-presenting cells

September 1988-June 1992 **Doctor in Medical Sciences (Genees-, heel- en verloskunde)**
U Ghent (Belgium)
great distinction

September 1985-July 1988 **Candidate in Medical Sciences**
U Ghent (Belgium)
great distinction

September 1979-July 1985 **High School**
St-Bavo humaniora Ghent (Belgium)
Latin-Mathematics (4-6)

ADDITIONAL INFORMATION

Expertise Allergic diseases: Asthma, Rhinitis, Atopic dermatitis
T cells
Cytokine production
Airway inflammation
APC

- Publications**
- 1 "Ligation of CD2 provides a strong helper signal for the production of the type 2 cytokines interleukin-4 and -5 by memory T cells"
X. Peng, A. Kasran, D. Bullens and J.L. Ceuppens
Cellular Immunology, 181, 76-85 (1997) SCI 1.83
 - 2 Effects of anti-interleukin-4-receptor monoclonal antibody on T cell cytokine levels in vitro: interleukin-4 production by T cells from non-atopic donors
D.M.A. Bullens, A. Kasran, X. Peng, K. Lorré and J.L. Ceuppens
Clin. Exp. Immunol., 113, 320-326 (1998) SCI 2.63
 - 3 Regulation of Th2 cytokine production by human peripheral blood T lymphocytes
Jan L. Ceuppens, Stefaan W. Van Gool, Dominique Bullens, Khadija Rafiq, & Ahmad Kasran
Allergy and Clinical Immunology International, 11, 118-125 (1999)
 - 4 Naïve human T cells can be a source of IL-4 during primary immune responses
D.M.A. Bullens, K. Rafiq, A. Kasran, S.W. Van Gool and J.L. Ceuppens
Clin. Exp. Immunol., 118, 384-391 (1999) SCI: 2.831
 - 5 Congenital Rubella syndrome after maternal reinfection
Dominique Bullens, Koenraad Smets, Piet Vanhaesebrouck
Clinical Pediatrics, 39, 113-116 (2000) SCI: 0.834
 - 6 Differences in regulatory pathways identify subgroups of T cell-derived Th2 cytokines
Rafiq K., Bullens D.M.A., Kasran A., Lorré K., Ceuppens J.L. and Van Gool S.W.
Clin. Exp. Immunol., 121, 86-93 (2000) SCI: 2.54
- 2001-2003:
- 7 Regulation of the IL-10 production by human T cells.
Rafiq K., Charitidou L., Bullens D.M.A., Kasran A., Lorré K., Ceuppens J.L. and Van Gool S.W.
Scand. J. Immunol., 53, 139-147 (2001) SCI: 1.739
 - 8 Effects of costimulation by CD58 on human T cell cytokine production: a selective cytokine pattern with induction of high IL-10 production
Dominique M.A. Bullens, Khadija Rafiq, Lydia Charitidou, Xiaohui Peng, Ahmad Kasran, Petra Warmerdam, Stefaan W. Van Gool and Jan L. Ceuppens
International Immunology, 13, 181-191 (2001) SCI: 3.611
- 9 CD40L-induced interleukin(IL)-12 production is further enhanced by the Th2 cytokines IL-4 and IL-13
Dominique M.A. Bullens, Ahmad Kasran, Kris Thielemans, Marleen Bakkus and Jan L. Ceuppens
Scand. J. Immunol., 53, 455-463 (2001) SCI: 1.739
 - 10 T helper 2 cytokines in allergische aandoeningen: een studie naar de regulatie van hun productie en hun invloed op de antigeen-presenterende cel
D.M.A. Bullens en J.L. Ceuppens
Nederlands Tijdschrift voor Allergie, 2, 155-159 (2002)
- 2004-2008:
- 11 Involvement of interleukin 18 in Chohns disease: evidence from in vitro analysis of human gut inflammatory cells and from experimental colitis models

- P. Maerten, C. Shen, S. Colpaert, Z. Liu, D.A.M. Bullens, G. Van Assche, F. Penninckx, K. Geboes, G. Vanham, P. Rutgeerts and J. L. Ceuppens
Clin Exp Immunol. 135, 310-7 (2004) SCI: 2.518
- 12 Allergen-specific T cells from birch-pollen-allergic patients and healthy controls differ in T helper 2 cytokine and in interleukin-10 production
D.M.A. Bullens, C. Van den Keybus, E. Dilissen, A. Kasran and J.L. Ceuppens
Clin Exp Allergy 34, 879-887 (2004) SCI: 3.069
- 13 Human T cell activation by costimulatory signal-deficient allogeneic cells induces ICOS-expressing anergic T cells with regulatory cell activity.
Jan Vermeiren, Jan L. Ceuppens, Marijke Van Ghelue, Peter Witters, Dominique Bullens, Hans Werner Mages, Richard A. KroczeK, Stefaan W. Van Gool
J Immunol. 172(9):5371-8 (2004) SCI: 6.486
- 14 Inhibition of glycolipid biosynthesis by N-(5-adamantane-1-yl-methoxy-pentyl)-deoxynojirimycin protects against the inflammatory response in hapten-induced colitis
Chong Shen, Dominique Bullens, Ahmad Kasran, Philippe Maerten, Louis Boon, Johannes MFG Aerts, Gert van Assche, Karel Geboes, Paul Rutgeerts and Jan L Ceuppens
International Immunopharmacology, 4: 939-951 (2004) SCI: 1.827
- 15 Functional expression of 4-1BB (CD137) in the inflammatory tissue in Crohns disease
Philippe Maerten, Karel Geboes, Gert De Hertogh, Chong Shen, Pascal Cadot, Dominique MA Bullens, Gert Van Assche, Freddy Penninckx, Paul Rutgeerts and Jan L Ceuppens
Clinical Immunology, 112: 239-246 (2004) SCI: 3.034
- 16 Defective CD4+CD25+ regulatory T cell functioning in collagen-induced arthritis: an important factor in pathogenesis, counter-regulated by endogenous IFN-
Hilde Kelchtermans, Bert De Klerck, Tania Mitera, Maarten Van Balen, Dominique Bullens, Alfons Billiau, Georges Leclercq, and Patrick Matthys
Arthritis Res Ther, 7, R402-R415 (2005) SCI: 2.965
- 17 Effects of Interleukin 4 on CD25+CD4+ regulatory T cell function
Philippe Maerten, Chong Shen, Dominique Bullens, Stefaan Van Gool, Gert Van Assche, Karel Geboes, Paul Rutgeerts and Jan L Ceuppens
J Autoimmunity, 25: 112-120 (2005) SCI: 2.491
- 18 House-dust-mite-specific T cells in healthy non-atopic children
Dominique MA Bullens, Ann De Swerdt, Ellen Dilissen, Ahmad Kasran, Richard A KroczeK, Pascal Cadot, Paul Casaer and Jan L Ceuppens
Clin Exp Allergy, 35: 1535-1541 (2005) SCI: 3.553
- 19 Involvement of 4-1BB (CD137)-4-1BBligand interaction in the modulation of CD4+ T cell-mediated inflammatory colitis
P Maerten, B S Kwon, C Shen, G De Hertogh, P Cadot, DMA Bullens, L Overbergh, C Mathieu, G Van Assche, K Geboes, P Rutgeerts and JL Ceuppens
Clin Exp Immunol, 143: 228-236 (2006) SCI: 2.747
- 20 The role of Interleukin-17 during acute rejection after lung transplantation
B M Vanaudenaerde, L J Dupont, W A Wuyts, E K Verbeken, I Meyts, D M Bullens, E Dilissen, L Luyts, D E Van Raemdonck and G M Verleden
Eur Respir J, 27: 779-787 (2006) SCI: 5.076
- 21 Evaluation of airway inflammation by quantitative Th1/Th2 cytokine mRNA measurement in sputum of asthma patients
Truyen Els, Coteur Liesbeth, Dilissen Ellen, Overbergh Lut, Dupont Lieven J, Ceuppens Jan L and Bullens Dominique MA
Thorax, 61: 202-208 (2006) SCI: 6.064
- 22 Aggravation of bronchial eosinophilia in mice by nasal and bronchial exposure to Staphylococcus aureus enterotoxin B
P.W. Hellings, G. Hens, I. Meyts, D.M.A. Bullens, J. Vanoirbeek, P. Gevaert, M. Jorissen, J.L. Ceuppens, and C. Bachert
Clin Exp Allergy, 36: 1063-1071 (2006) SCI: 3.668

- 23 IL-10 and IL-12 Independent Down-regulation of Allergic Sensitization by Stimulation of CD40 Signaling
Peter W. Hellings, Ahmad Kasran, Dominique Bullens, Lutgart Overbergh, Chantal Mathieu, Hubertine Heremans, Patrick Matthys, Louis Boon, Mark Jorissen and Jan L. Ceuppens
J Immunol, 177: 5138-5144 (2006) SCI: 6.293
- 24 Interleukin-12 contributes to allergen-induced airway inflammation in experimental asthma
Isabelle Meyts, Peter W Hellings, Greet Hens, Bart M Vanaudenaerde, Bert Verbinnen, Hubertine Heremans, Patrick Matthys, Dominique M Bullens, Lut Overbergh, Chantal Mathieu, Kris De Boeck and Jan L Ceuppens
J Immunol, 177: 6460-6470 (2006) SCI: 6.293
- 25 IL-17 mRNA in sputum of asthmatic patients: linking T cell driven inflammation and granulocytic influx?
Bullens, DMA, Truyen, E, Coteur, L, Dilissen, E, Hellings, PW, Dupont, LJ and Ceuppens JL
Respir Res, 7, 135 (2006) SCI: 2.335
- 26 Remission-inducing effect of anti-TNF monoclonal antibody in TNBS colitis: mechanisms beyond neutralization?
Shen C, De Hertogh G, Bullens DMA, Van Assche G, Geboes K, Rutgeerts P, Ceuppens JL
Inflamm Bowel Dis, 13: 308-316 (2007) SCI: 4.705
- 27 Review article: Measuring T cell cytokines in allergic inflammation: Can we move to the clinic?
DMA Bullens
Inflammation & Allergy-Drug Targets, (vroeger: Current Drug Targets), 6: 81-90 (2007)
- 28 Rapidly induced, T-independent Xenoantibody production is mediated by marginal zone B cells and requires help from NK cells
Shengqiao Li, Yehong Yan, Yuan Lin, Dominique M Bullens, Omer Rutgeerts, Jozef Goebels, Constant Segers, Louis Boon, Ahmad Kasran, Rita De Vos, Christiane Dewolf-Peeters, Mark Waer, An D Billiau
Blood, 110: 3926-3935 (2007) SCI: 10.896
2008-2013
- 29 Sinonasal pathology in non-allergic asthma and COPD: united airway disease beyond the scope of allergy
Hens G, Vanaudenaerde B, Bullens DMA, Piessens M, Decramer M, Dupont LJ, Ceuppens JL, Hellings PW
Allergy, 63: 261-267 (2008) SCI: 6.204
- 30 Occurrence of autoimmunity after xenothymus transplantation in T cell-deficient mice depends on the thymus transplant technique
Timothy Devos, Ben Sprangers, Yuan Lin, Shengqiao Li, Yehong Yan, Willy Landuyt, Caroline Lenaerts, Omer Rutgeerts, Jozef Goebels, Dominique Bullens, Christiane De Wolf-Peeters, Chantal Mathieu, Mark Waer, An D Billiau.
Transplantation, 85: 640-644 (2008) SCI: 3.816
- 31 Anaphylaxis in referred pediatric patients: demographic and clinical features, triggers and therapeutic approach
Liliane FA De Swert, Dominique Bullens, Marc Raes, Anna-Maria Dermaux
Eur J Pediatrics, 167: 1251-1261 (2008) SCI: 1.416
- 32 T-cell mediated late increase in bronchial tone after allergen provocation in a murine asthma model
Isabelle Meyts, Jeroen J Vanoirbeek, Greet Hens, Bart M Vanaudenaerde, Bert Verbinnen; Dominique M Bullens, Lut Overbergh, Chantal Mathieu, Jan L Ceuppens, and Peter W Hellings
Clinical Immunology, 128: 248-258 (2008) SCI: 3.606
- 33 Type III interferon- mRNA expression in sputum of adult and school-aged asthmatics
Bullens Dominique MA, Decraene Ann, Dilissen Ellen, Meyts Isabelle, De Boeck Kris, Dupont Lieven J and Ceuppens Jan L
Clin Exp Allergy, 38: 1459-1467 (2008) SCI: 3.556

- 34 Contribution of regulatory T cells and of effector T cell deletion in tolerance induction by costimulation blockade
Bert Verbinnen, An D Billiau, Jan Vermeiren, Dominique MA Bullens, Louis Boon, Pascal Cadot, Greet Hens, Stefaan W Van Gool and Jan L Ceuppens
J Immunol, 181: 1034-1042 (2008) SCI: 6.000
- 35 The role of the IL-23/IL-17 axis in Bronchiolitis Obliterans Syndrome after lung transplantation
Bart M Vanaudenaerde, Stéphanie I De Vleeschauwer, Robin Vos, Isabelle Meyts, Dominique M Bullens, Veerle Reynders, Wim A Wuyts, Dirk A Van Raemdonck, Lieven J Dupont and Geert M Verleden
Am J transplantation, 8: 1911-1920 (2008) SCI: 6.559
- 36 Searching for regulatory T cells in allergy: are we nearing the Finish?
DMA Bullens, Clin Exp Allergy, 38: 1707-1708 (2008) SCI: 3.556
- 37 Influence of Toll-like-Receptor Ligands on the dendritic cell- T cell interactions: therapeutic options for allergic diseases?
DMA Bullens and JL Ceuppens,
Inflammation & Allergy-Drug Targets, Inflammation & Allergy-Drug Targets, (vroeger: Current Drug Targets), 7: 211-216 (2008)
- 38 A hypoallergenic variant of Der p 1 as candidate for mite allergy vaccines
David Walgraffe, Christel Mattéotti, Mohamed el Bakkoury, Lida Garcia, Dominique MA Bullens, Céline Marchand, Michel Vandenbranden and Alain Jacquet
J Allergy Clin Immunol, 123:1150-1156 (2009) SCI: 9.165
- 39 Haptoglobin deficiency facilitates the development of autoimmune inflammation
Georgina Galicia, Wim Maes, Bert Verbinnen, Ahmad Kasran, Dominique Bullens, Mohamed Arredouani, and Jan L. Ceuppens
European journal of Immunology, 39: 3404-3412 (2009) SCI: 5.179
- 40 Immunotherapy with a modified birch pollen extract in allergic rhinoconjunctivitis: clinical and immunological effects
Jan L Ceuppens, D Bullens, H Kleinjans, J Van der Werf
Clin Exp Allergy, 39: 1903-1909 (2009) SCI: 4.084
- 41 Sensitization to inhaled ryegrass pollen by collateral priming in a murine model of allergic respiratory disease
Cadot P, Meyts I, Vanoirbeek A, Vanaudenaerde B, Bullens D and Ceuppens J
Int Arch Allergy Immunol, 152: 233-242 (2010) SCI: 2.235
- 42 Staphylococcus aureus enterotoxin B augments granulocyte migration and survival via airway epithelial cell activation
W Huvenne, I Callebaut, K Reekmans, G Hens, S Bobic, M Jorissen, DMA Bullens, JL Ceuppens, C Bachert, PW Hellings
Allergy, 65: 1013-20 (2010) SCI: 6.297
- 43 Reciprocal changes of Foxp3 expression in blood and intestinal mucosa in IBD patients responding to infliximab
Li Z, Arijs I, De Hertogh G, Vermeire S, Noman M, Bullens D, Coorevits L, Sagaert X, Schuit F, Rutgeerts P, Ceuppens JL, Van Assche G.
Inflammatory Bowel Diseases, 16: 1299-310 (2010) SCI: 4.613
- 44 Staphylococcus aureus enterotoxin B facilitates allergic sensitization in experimental asthma
W Huvenne, I Callebaut, M Plantinga, JAJ Van Oirbeek, O Krysko, DMA Bullens, P Gevaert, P Van Cauwenberghe, BN Lambrecht, JL Ceuppens, C Bachert and PW Hellings
Clinical and Experimental Allergy, 40: 1079-90 (2010) SCI: 4.195
- 45 Monitoring the effect of allergen immunotherapy: a clinicians dream comes true?
DMA Bullens
Clin Exp Allergy, 40: 958-961 (2010) SCI: 4.195
- 46 Murine bone marrow chimeras developing autoimmunity after CTLA-4 blockade show an expansion of T regulatory cells with an activated cytokine profile
L De Somer, S Fevery, DMA Bullens, O Rutgeerts, C Lenaerts, C Mathieu, L Boon, A Kasran, M

Waer, AD Biliau

Immunology Letters, 133: 49-53 (2010) SCI: 2.511

47 Impact of lipoteichoic acid modification on the performance of the probiotic *Lactobacillus rhamnosus* GG in experimental colitis.

Claes IJ, Lebeer S, Shen C, Verhoeven TL, Dilissen E, De Hertogh G, Bullens DM, Ceuppens JL, Van Assche G, Vermeire S, Rutgeerts P, Vanderleyden J, De Keersmaecker SC.

Clin Exp Immunol., 162: 306-14 (2010) SCI: 3.134

48 Elevated expression of both mRNA and protein levels of IL-17A in sputum of stable Cystic Fibrosis patients Ann Decraene, Anna Willems-Widyastuti, Ahmad Kasran, Kris De Boeck,

Dominique Bullens and Lieven Dupont

Respiratory Research; 11: 177 (2010) SCI: 2.859

49 Selective nasal allergen provocation induces substance P-mediated bronchial hyperresponsiveness

G Hens, U Raap, J Vanoirbeek, I Meyts, I Callebaut, B Verbinnen, B Vanaudenaerde, P Cadot, B Nemery, DMA Bullens, JL Ceuppens, PW Hellings

Am J Respir Cell Mol Biol, 44:517-523 (2011) SCI: 5.125

50 In vivo maturation of T helper cells in relation to atopy

Dominique MA Bullens; Ahmad Kasran; Ellen Dilissen; Kathleen De Swert; Lieve Coorevits;

Jacques Van Snick and Jan L Ceuppens

J Allergy Clin Immunol, 128:234-237.e7 (2011) SCI: 11.003

51 Pepsin and bile acids in induced sputum of chronic cough patients

Marcin Grabowski; Ahmad Kasran; Sven Seys; Ans Pauwels; Wojciech Medrala;

Lieven Dupont; Bernard Panaszek; Dominique Bullens

Respiratory Medicine, 105:1257-61 (2011) SCI: 2.475

52 Role of placental growth factor in allergic asthma.

Bobic S, Seys S, De Vooght V, Callebaut I, Hox V, Dooms C, Vinckier S, Jonckx B, Saint-Remy JM, Stassen JM, Bullens DM, Ceuppens JL, Carmeliet P, Hellings PW.

American Journal of Respiratory Cell and Molecular Biology, 46:781-9 (2012)

SCI: 4.148

53 Neonatal IL-10 production and risk of allergy development

DMA Bullens, A Kasran, E Dilissen and JL Ceuppens

Clin Exp Allergy, 42: 483-4 (2012) SCI: 4.789

54 Airway inflammation in patients with chronic non-asthmatic cough

Grabowski Marcin; Seys Sven; Decraene Ann; Kasran Ahmad; Dilissen Ellen; Barg Wojciech;

Medrala Wojciech; Dupont Lieven; Panaszek Bernard; Bullens Dominique

Thorax, 68:125-30 (2013)

55 Eosinophilic gastrointestinal disease suggestive of pathogenesis-related class 10 (PR-10) protein allergy resolved after immunotherapy

Liliane De Swert, Geneviève Veereman, Merima Bublin, Heimo Breiteneder, Ellen Dilissen, Eugene Bosmans, Caroline Mattelaer, Dominique Bullens

Journal of Allergy and Clinical Immunology, 131, 600-602.e3 (2013)

56 17A in human respiratory diseases: innate or adaptive immunity? Clinical implications,"

Dominique Bullens, Ann Decraene, Sven Seys and Lieven J Dupont

Clinical and Developmental Immunology, 2013:840315 (2013)

57 Crucial role of TRPA1 and mast cells in the induction of nonallergic

airway hyperreactivity in mice.

Hox Valérie; Vanoirbeek Jeroen; Aguiar Alpizar Yeranddy; Voedisch Sabrina;

Callebaut Ina; Bobic Sonja; Sharify Ali; De Vooght Vanessa; Van Gerven Laura;

Devos Fien; Liston Adrian; Voets Thomas; Vennekens Rudi; Bullens Dominique;

De Vries Annick; Hoet Peter; Braun Armin; Ceuppens Jan; Talavera Karel; Nemery Benoit; Hellings Peter

American Journal of Respiratory and Critical Care Medicine, 187, 486493 (2013)

- 58 Effect of nasal anti-inflammatory treatment in chronic obstructive pulmonary disease.
Callebaut I, Hox V, Bobic S, Bullens DM, Janssens W, Dupont L, Hellings PW.
Am J Rhinol Allergy, 27, 273-7 (2013)
- 59 Sputum cytokine mapping reveals an IL-5, IL-17A, IL-25-high pattern associated with poorly controlled asthma
Sven F. Seys, Marcin Grabowski, Wim Adriaensen, Ann Decraene, Ellen Dilissen, Jeroen A. Vanoirbeek, Lieven J. Dupont, Jan L. Ceuppens, Dominique M.A. Bullens
Clin Exp Allergy, 43, 1009-17 (2013)
- 60 Effects of high altitude and cold air exposure on airway inflammation in asthmatics
Sven F Seys, Marc Daenen, Ellen Dilissen, Ruud Van Thienen, Dominique MA Bullens, Peter Hespel and Lieven J Dupont
Thorax, 68, 906-13 (2013)
- 2013- :
- 61 Analytical Accuracy and user-friendliness of the Afinion Point-of-Care CRP test
Verbakel Jan; Aertgeerts Bert; Lemiengre Marieke; De Sutter An; Bullens Dominique and Buntinx, Frank
Journal of Clinical Pathology, 67, 83-86 (2014)
- 62 Van Wyk and Grumbach syndrome: an unusual form of precocious puberty.
Christens Anja, Sevenants Lieve, Toelen Jaan, Bullens Dominique, Casteels Kristina
Gynecological Endocrinology, 30, 272-276 (2014)
- 63 Obese individuals with asthma preferentially have a high IL-5/IL-17A/IL-25 sputum inflammatory pattern
G.S. Marijse, S.F. Seys, A. Schelpe, E. Dilissen, P.C. Goeminne, L.J. Dupont, J. L. Ceuppens and D.M.A. Bullens
Am J Resp Crit Care Med, 189, 1284-1285 (2014)
- 64 Diagnosing serious infections in acutely ill children in ambulatory care (ERNIE 2 study protocol part A): diagnostic accuracy of a Clinical Decision Tree and added value of a Point-of-Care C-reactive protein Test and Oxygen Saturation.
Jan Y Verbakel, Marieke B Lemiengre, Tine De Burghgraeve, An De Sutter, Dominique MA Bullens, Bert Aertgeerts, Frank Buntinx and ERNIE 2 collaboration
BMC Pediatrics, 14:207 (2014)
- 65 Optimizing antibiotic prescribing for acutely ill children in primary care (ERNIE2 study protocol, part B): a cluster randomized, factorial controlled trial evaluating the effect of a point-of-care C-reactive protein test and a brief intervention combined with written safety net advice.
Lemiengre MB, Verbakel JY, De Burghgraeve T, Aertgeerts B, De Baets F, Buntinx F, De Sutter A; ERNIE 2 collaboration.
BMC Pediatr. 14:246 (2014)
- 66 Damage-associated molecular pattern and innate cytokine release in the airways of competitive swimmers.
Seys SF, Hox V, Van Gerven L, Dilissen E, Marijse G, Peeters E, Dekimpe E, Kasran A, Aertgeerts S, Troosters T, Vanbelle V, Peers K, Ceuppens JL, Hellings PW, Dupont LJ, Bullens DM.
Allergy, 70, 187-94 (2015)
- 67 Piliation of Lactobacillus rhamnosus GG promotes adhesion, phagocytosis and cytokine modulation in macrophages.
Vargas García CE, Petrova M, Claes IJ, De Boeck I, Verhoeven TL, Dilissen E, von Ossowski I, Palva A, Bullens DM, Vanderleyden J, Lebeer S.
Appl Environ Microbiol, 81(6):2050-62 (2015)
- 68 Validating a decision tree for serious infection: diagnostic accuracy in acutely ill children in ambulatory care.
Verbakel JY, Lemiengre MB, De Burghgraeve T, De Sutter A, Aertgeerts B, Bullens DM, Shinkins B, Van den Bruel A, Buntinx F.
BMJ Open. 2015 Aug 7;5(8):e008657.
- 69 Restoration of Foxp3+ Regulatory T-cell Subsets and Foxp3- Type 1 Regulatory-like T Cells in

Inflammatory Bowel Diseases During Anti-tumor Necrosis Factor Therapy.
Li Z, Vermeire S, Bullens D, Ferrante M, Van Steen K, Noman M, Rutgeerts P, Ceuppens JL, Van Assche G.
Inflamm Bowel Dis. 2015 Oct;21(10):2418-28

70 Anti-Tumor Necrosis Factor Therapy Restores Peripheral Blood B-cell Subsets and CD40 Expression in Inflammatory Bowel Diseases.
Li Z, Vermeire S, Bullens D, Ferrante M, Van Steen K, Noman M, Bossuyt X, Rutgeerts P, Ceuppens JL, Van Assche G.
Inflamm Bowel Dis. 2015 Dec;21(12):2787-96

71 Feasibility to apply eucapnic voluntary hyperventilation in young elite athletes.
Van der Eycken S, Schelpe A, Marijsse G, Dilissen E, Troosters T, Vanbelle V, Aertgeerts S, Dupont LJ, Peers K, Bullens DM, Seys SF.
Respir Med. 2016 Feb;111:91-3

72 Impaired barrier function in patients with house dust mite-induced allergic rhinitis is accompanied by decreased occludin and zonula occludens-1 expression.
Steelant B, Farré R, Wawrzyniak P, Belmans J, Dekimpe E, Vanheel H, Van Gerven L, Kortekaas Krohn I, Bullens DM, Ceuppens JL, Akdis CA, Boeckxstaens G, Seys SF, Hellings PW.
J Allergy Clin Immunol. 2016 Apr;137(4):1043-53.e1-5

73 Clinical-Grade Human Multipotent Adult Progenitor Cells Block CD8+ Cytotoxic T Lymphocytes.
Plessers J, Dekimpe E, Van Woensel M, Roobrouck VD, Bullens DM, Pinxteren J, Verfaillie CM, Van Gool SW.
Stem Cells Transl Med. 2016 Dec;5(12):1607-1619

74 Safety of Adding Salmeterol to Fluticasone Propionate in Children with Asthma.
Stempel DA, Szeffler SJ, Pedersen S, Zeiger RS, Yeakey AM, Lee LA, Liu AH, Mitchell H, Kral KM, Raphiou IH, Prillaman BA, Buaron KS, Yun Kirby S, Pascoe SJ; VESTRI Investigators.
N Engl J Med. 2016 Sep 1;375(9):840-9.

75 Programmed cell death-1 expression correlates with disease severity and IL-5 in chronic rhinosinusitis with nasal polyps.
Kortekaas Krohn I, Bobic S, Dooley J, Lan F, Zhang N, Bachert C, Steelant B, Bullens DM, Liston A, Ceuppens JL, Seys SF, Hellings PW.
Allergy. 2017 Jun;72(6):985-993.

76 Cluster analysis of sputum cytokine-high profiles reveals diversity in T(h)2-high asthma patients.
Seys SF, Scheers H, Van den Brande P, Marijsse G, Dilissen E, Van Den Bergh A, Goeminne PC, Hellings PW, Ceuppens JL, Dupont LJ, Bullens DM.
Respir Res. 2017 Feb 23;18(1):39

77 Corticosteroids for sore throat: a clinical practice guideline.
Aertgeerts B, Agoritsas T, Siemieniuk RAC, Burgers J, Bekkering GE, Merglen A, van Driel M, Vermandere M, Bullens D, Okwen PM, Niño R, van den Bruel A, Lytvyn L, Berg-Nelson C, Chua S, Leahy J, Raven J, Weinberg M, Sadeghirad B, Vandvik PO, Brignardello-Petersen R.
BMJ. 2017 Sep 20;358:j4090

78 Serum and sputum calprotectin, a reflection of neutrophilic airway inflammation in asthmatics after high-altitude exposure.
Decaestecker T, Seys S, Hox V, Dilissen E, Marijsse G, Manhaeghe L, Hellings P, Vanoirbeek J, Bullens D, Dupont L.
Clin Exp Allergy. 2017 Dec;47(12):1675-1677

79 Initial False-Negative Specific IgE to Gelatin in Gelatin-Induced Anaphylaxis.
Breynaert C, Van Hoeyveld E, Bullens D, Schrijvers R.
J Invest Allergol Clin Immunol. 2017;27(5):333-335

80 Immunotherapy with subcutaneous immunogenic autologous tumor lysate increases murine glioblastoma survival.
Belmans J, Van Woensel M, Creyns B, Dejaegher J, Bullens DM, Van Gool SW.
Sci Rep. 2017 Oct 24;7(1):13902

81 Mechanisms of exercise-induced bronchoconstriction in athletes: Current perspectives and future challenges.

Couto M, Kurowski M, Moreira A, Bullens DMA, Carlsen KH, Delgado L, Kowalski ML, Seys SF. Allergy. 2018 Jan;73(1):8-16

82 Point-of-care C reactive protein to identify serious infection in acutely ill children presenting to hospital: prospective cohort study.

Verbakel JY, Lemiengre MB, De Burghgraeve T, De Sutter A, Aertgeerts B, Bullens DMA, Shinkins B, Van den Bruel A, Buntinx F.

Arch Dis Child, 2018, in press

83 Histamine and T helper cytokine-driven epithelial barrier dysfunction in allergic rhinitis.

Steelant B, Seys SF, Van Gerven L, Van Woensel M, Farré R, Wawrzyniak P, Kortekaas Krohn I, Bullens DM, Talavera K, Raap U, Boon L, Akdis CA, Boeckxstaens G, Ceuppens JL, Hellings PW. J Allergy Clin Immunol 2018, in press

Projects

Study of differences in local and systemic T cell and APC cytokine/chemokine production between healthy donors and allergic individuals

Study of airway inflammation in elite athletes

Study of in vitro and in vivo T cell differentiation

Study of regulatory T cells in healthy individuals and allergic patients

Projects:

is promotor of

3M170459 01.10.2017-30.09.2021 Bronchoconstriction in high-school elite athletes

3M110197 12.04.2011 - 11.04.2014 Study of airway inflammation in relation to exercise in high school athletes...

3M090385 01.10.2009 - 31.12.2013 Study of the role of different T cell subsets in allergic asthma

3M090195 01.03.2009 - 24.10.2012 Airway inflammation in chronic cough.

3M110017 01.10.2008 - 01.10.2013 Follow up of Newborns's Immune development in relation to Allergic outcome;...

3M110018 01.10.2008 - 01.10.2013 Characterisation of allergen-induced T cells from healthy individuals

3M110141 01.10.2008 - 30.09.2018 Studie van de T cel-antigen presenterende cel interactie bij allergische luchtwegaandoeningen

is co-promotor of

3M160606 01.07.2016-30.06.2020 "Platform for next generation flow cytometry"

3M120159 16.04.2012 - 25.10.2018 "BD FACS Verse" Flow Cytometer.

3M110176 01.10.2011 - 30.09.2015 Mechanisms underlying airway sensitisation and tolerance towards major aller...

3E100135 01.03.2010 - 30.09.2012 Study on the role of fimbriae for the probiotic effects of Lactobacillus rhamnosus

3M090202 01.06.2009 - 18.06.2013 Nasal-ocular interaction in allergic rhinitis

is mandataris of

3M110141 01.10.2008 - 30.09.2018 Studie van de T cel-antigen presenterende cel interactie bij allergische luchtwegaandoeningen

Memberships

Board member of

Belgian Immunological Society BIS, board member 2011-2017

Belgische Vereniging voor Allergie en Klinische Immunologie Belsaci, secretary March 2012-2016

National Society (NAS) representative for Belgium from EAACI by Belsaci 2016-present

Member of:

Vlaamse Vereniging voor Kinderartsen VVK

Belgische Vereniging voor Pneumologie
Belgische Vereniging voor Kinderartsen BVK
European Academy of Allergology and Clinical Immunology EAACI
European Respiratory Society, ERS
Member of editorial board of:
Frontiers in Immunological tolerance
Turkish Thoracic Journal
Awards:
Travel Grant for the AAAAI 54th Annual Meeting, March 13-18, 1998, Washington, US (UCB Institute of Allergy, Belgium)
Young Investigator Award: Respiratory 2000 International; Honourable Mention, Basic Science, 24-27/10/2000 San Francisco, Ca
1ste laureaat Aventisprijs voor kinderpneumologie 2001, 13/1/2001, 100000 BEF, St Pieters Woluwe
Travel Grant for the International Pediatric Respiratory and Allergy Congress (IPRAC) meeting, April 1-4, 2001, Prague, Czech Republic (UCB Institute of Allergy, Belgium)
Poster price XXI EAACI Congress Napels, 6/7/2002; Italy
Yearly active participation in EAACI conferences; two-yearly active participation in EAACI-PAAM, regular active participation at ERS conference, sporadic active participation in FOCIS and IUIS conference: +/- 100 abstracts
Active participation in European Competence Network Mastocytosis ECNM

Other Relevant Information

Yearly organisation of Childhood Immunology conference Belgium since 2004
2015-2017: Doctoral School Guidance Committee (TAC) member
2008-2015: Coordinator of Doctoral School Immunology and Microbiology, KULeuven
2012-: Member of departemental board department Microbiologie and Immunologie, KULeuven
2007- : LOK-responsible LOK 926 pediatricians
2009-: Member of ethical comite UZ Leuven, pediatric member
2015-: Member of steering committee of Ethical Committee
1-12-2017-present: vice-president of Ethical Committee UZ/KU Leuven
Reviewer of:
Allergy
Am J Respir Crit Care Med
Am J Respir Cell Mol Biol.
BMC Medical Genomics
Clinical and Experimental Immunology
Clinical and Experimental Allergy
The Clinical Respiratory Journal
American Journal of Transplantation
Pediatric Allergy and Immunology
Expert Review of Clinical Immunology
J Allergy Clin Immunology
Journal of Organ Dysfunction
Scandinavian Journal of Immunology
European Journal of Pediatrics
International Archives of Allergy and Immunology
Frontiers in Immunological tolerance
Allergy Asthma Clin Immunol
J Immunological methods
Rhinology