



Curriculum Vitae

Personal information Dieter Deforce

Work experience

1. Employer: Ghent University
 - Start date: 09.1994
 - End date: 09.1999
 - Position: Assistant (AAP)
 - Activities: PhD in Pharmaceutical Biotechnology. Gained experience with Mass Spectrometry, LC, genetic analysis, cell line work, viability assays, immunoassays...
 - Country: Belgium
2. Employer: University of California, San Diego
 - Start date: 09.1999
 - End date: 10.2000
 - Position: BAEF, Colten Research, foundation postdoctoral fellow
 - Activities: postdoc, working on Chronic Lymphocytic Leukemia, genetic analysis and diagnostics, immunobiology, genetherapy, flowcytometry,...
 - Country: United States
3. Employer: Ghent University
 - Start date: 10.2000
 - End date: 10.2001
 - Position: Postdoctoral researcher at the FWO
 - Activities: postdoc, forensic DNA-analysis, sequencing, ...
 - Country: Belgium
4. Employer: Ghent University
 - Start date: 10.2001
 - End date: 10.2009
 - Position: Lecturer
 - Activities: Faculty of Pharmaceutical Sciences, Departmental Head of the Laboratory of Pharmaceutical Biotechnology, Head of the accredited and recognised Laboratory of Forensic DNA Analysis
 - Country: Belgium
5. Employer: Ghent University
 - Start date: 10.2009
 - End date: 07.2016
 - Position: Senior lecturer
 - Activities: Faculty of Pharmaceutical Sciences, Departmental Head of the Laboratory of Pharmaceutical Biotechnology, Head of the accredited and recognised Laboratory of Forensic DNA Analysis.
 - Country: Belgium
6. Employer: Ghent University
 - Start date: 07.2016
 - End date:
 - Position: Senior lecturer
 - Activities: Faculty of Pharmaceutical Sciences, Departmental Head of the Laboratory of Pharmaceutical Biotechnology, since 2023 president of the IOF board (Industrial Research Fund)
 - Country: Belgium
7. Employer: Selfemployed
 - Start date: 07.2016
 - End date:
 - Position: forensic DNA expert
 - Activities: DNA expert for the accredited and recognised Laboratory of Forensic DNA Analysis, division Ghent, part of the Eurofins Forensics Belgium group with headquarters in Bruges
 - Country: Belgium
8. Employer: The Scripps Research Institute
 - Start date: 07.2016
 - End date: 08.2016
 - Position: Researcher
 - Activities: Sequencing, miRNA, protocol optimization
 - Country: United States

Education and training

1. Subject: Ghent University
 - Start date: 09.1989
 - End date: 08.1994
 - Qualification: Master Pharmacist
 - Organisation: Grade: magna cum laude
 - Country: Belgium
2. Subject: Ghent University
 - Start date: 09.1994
 - End date: 02.1999
 - Qualification: Doctor of Pharmaceutical Science
 - Organisation: Grade: summa cum laude Title of dissertation: Analysis of DNA adduct

formation in epoxides and platinum compounds with the help of capillary zone electrophoresis and linked electrospray mass spectrometry

- Country: Belgium
3. Subject: Ghent University
- Start date: 10.2007
 - End date: 08.2008
 - Qualification: Applied statistics
 - Organisation: Ghent University
 - Country: Belgium
4. Subject: Ghent University
- Start date: 07.2013
 - End date: 07.2013
 - Qualification: ITACE (Interuniversity Test of Academic English) CEFR level C1
 - Organisation: UCT at Ghent University
 - Country: Belgium
5. Subject: Ghent University
- Start date: 10.2018
 - End date: 09.2019
 - Qualification: Forensic Expertise
 - Organisation: Faculty of Law at Ghent University
 - Country: Belgium

Additional information

Publications

b2 Chapters in books 1. Analysis and identification of MHC-associated peptides using mass spectrometry Dieter Deforce and Elfride Van den Eeckhout. In the book "Recent Research Developments in Applied Spectroscopy". In "Recent Research Developments in Analytical Chemistry". Transworld Research Network, India, 2001, vol 1, pp 78_84. 2. Analysis of DNA damage using capillary zone electrophoresis and electrospray mass spectrometry, Dieter Deforce and Elfride Van den Eeckhout. In volume: "Capillary Electrophoresis of Nucleic Acids" Eds; Cheng J. and Mitchelson K. In de reeks: "Methods in Molecular Biology". Humana Press, U.S.A., 2001, vol 1, pp 429_443. 3. Analysis of oligonucleotides by ESI-MS Dieter Deforce and Elfride Van den Eeckhout. In volume number 40 of the series: "The Advances in Chromatography" Eds. Brown P. and Grushka E., Marcel Dekker Books, U.S.A., 2000, Chapter 11, pp 539_566. 4. Analysis of oligonucleotides using capillary zone electrophoresis and electrospray mass spectrometry. CE from small ions to macromolecules A.V. Willems, D.L. Deforce, and J.F. Van Bocxlaer. Methods in Molecular Biology, Molecular Medicine, and Biotechnology series. Ed. P.D. Schmitt_Kopplin. Humana Press, 2008 Vol 384, 401_414. 5. Serotonin related genes affect antidepressant treatment in obsessive compulsive disorder F. Van Nieuwerburgh, D. Deforce, D.A.J.P. Denys. In volume 3 of "Progress in Neurotherapeutics and Neuropsychopharmacology" by Jeffrey Cummings, Cambridge University Press, Vol 3 (1), 2008. 6. Spondyloarthropathies Elewaut D., De Keyser F., Van den Bosch F., Deforce D., Mielants H. In volume 2 of "Genomic and Personalized Medicine", 1067_1083. Eds Willard H.F. & Ginsburg G.S. Elsevier, Oxford UK, 2009. 7. The Role of Vimentin in Rheumatoid Arthritis Kathleen Van Steendam, Marlies De Ceuleneer, Dieter Deforce. In the book "Vimentin concepts in cell organization" _ Nova Science Publishers Inc, 2013, p63_80. 8. Antibodies against citrullinated proteins and filaggrin Kathleen Van Steendam, Dieter Deforce Invited bookchapter in the book "Filaggrin: Basic Science, Epidemiology, Clinical Aspects and Management". Thyssen J. & Maibach H. Springer, 2014, Chapter 34, p343_349. 9. Antioxidant Capacity and Secondary Metabolites of 12 Bamboo Species Laura Van Hoyweghen, Dieter Deforce, Arne Heyerick In the book series "Acta Horticulturae" Eds. Uzso RP, Tombolato AFC and Tucci MLS, 2013, vol 1003, p107_112. 10. The European Medicines Agency Experience with Biomarker Qualification Efthymios Manolis, Armin Koch, Dieter Deforce, Spiros Vamvakas In the book ,Springer, 2015, Chapter 15, p255_272. 11. Generics, Biosimilars, Enantiomers, and Me-Toos Dieter Deforce, George Wade, Brigitte Bloechl_Daum In the book "Clinical Pharmacology: Current Topics and Case Studies", Springer, 2016, Chapter 20, p317_336. 12. Advances in the Identification of Genetically Modified Foods Marie-Alice Fraiture, S. Broeders, P. Herman, I. Taverniers, M. De Loose, Dieter Deforce, Nancy Roosens In the book "Advances in Food Authenticity Testing" Ed. Gerard Downey. Woodhead Publishing, Elsevier, 2016, Chapter 20, p543_556. **a1 Articles in journals listed in the Science Citation Index, the Social Sciences Citation Index or the Arts and Humanities Citation Index (= code A) (bibliogent)** 1/ Deforce, Dieter, FPK RYNIERS, EG VANDENECKHOUT, F LEMIERE, and EL ESMANS. 1996. "Analysis of DNA Adducts in DNA Hydrolysates by Capillary Zone Electrophoresis and Capillary Zone Electrophoresis Electrospray Mass Spectrometry." Analytical Chemistry 68 (20): 3575-3584. 2/ KOKOTOS, G, V THEODOROU, C TZOUGRAKI, Dieter Deforce, and EG VANDENECKHOUT. 1997. "Synthesis and in Vitro Cytotoxicity of Aminocoumarin platinum(II) Complexes." Bioorganic & Medicinal Chemistry Letters 7 (17): 2165-2168. 3/ KOKOTOS, G, V THEODOROU, Dieter Deforce, C TZANGRAKI, and Elfrida Van Den Eeckhout. 1997. "Synthesis and in Vitro Cytotoxicity of Aminocoumarin Platinum II Complexes." Anticancer Res. 17: 4082. 4/ Deforce, Dieter, F LEMIERE, EL ESMANS, Andreas De Leenheer, and Elfrida Van Den Eeckhout. 1998. "Analysis of the DNA Damage Induced by Phenyl Glycidyl Ether Using Capillary Zone Electrophoresis Electrospray Mass Spectrometry." Analytical Biochemistry 258 (2): 331-338. 5/ Van Hoofstat, David, Dieter Deforce, REM Millecamps, Veerle Brochez, Els Van Geldre, Annemieke Vergauwe, A Sijs, and Elfrida Van Den Eeckhout. 1998. "Population Genetic Study of Four Short Tandem Repeat Loci in the Belgian Population, Using Capillary Electrophoresis." Electrophoresis 19 (5): 719-722. 6/ Deforce, Dieter, J RAYMACKERS, L MEHEUS, F VAN WIJNENDAELE, Andreas De Leenheer, and Elfrida Van Den Eeckhout. 1998. "Characterization of DNA Oligonucleotides by Coupling of Capillary Zone Electrophoresis to Electrospray Ionization Q-TOF Mass Spectrometry." Analytical Chemistry 70 (14): 3060-3068. 7/ Deforce, Dieter, REM MILLECAMP, David Van Hoofstat, and Elfrida Van Den Eeckhout. 1998. "Comparison of Slab Gel Electrophoresis and Capillary Electrophoresis for the Detection of the Fluorescently Labeled Polymerase Chain Reaction Products of Short Tandem Repeat Fragments." Journal of Chromatography A 806 (1): 149-155. 8/ Deforce, Dieter, Filip Lemièrre, Ilse Hoes, Rebecca E Millecamps, Eddy L Esmans, Andreas De Leenheer, and Elfrida Van Den Eeckhout. 1998. "Analysis of the DNA Adducts of Phenyl Glycidyl Ether in a Calf Thymus DNA Hydrolysate by Capillary Zone Electrophoresis-electrospray Mass Spectrometry: Evidence for Phosphate Alkylation." Carcinogenesis 19 (6): 1077-1086. 9/ Deforce, Dieter, G KOKOTOS, EL ESMANS, Andreas De Leenheer, and Elfrida Van Den Eeckhout. 1998. "Preparative Capillary Zone Electrophoresis in Combination with Off-line Graphite Furnace Atomic Absorption for the Analysis of DNA Complexes Formed by a New Aminocoumarin Platinum (II) Compound." Electrophoresis 19 (14): 2454-2458. 10/ VAN HOOFFSTAT, DEO, Dieter Deforce, IPH DE PAUW, and Elfrida Van Den Eeckhout. 1999. "DNA Typing of Fingerprints Using Capillary Electrophoresis: Effect of Dactyloscopic Powders." Electrophoresis 20 (14): 2870-2876. 11/ HOES, I, F LEMIERE, W VAN DONGEN, K VANHOUTE, EL ESMANS, D VAN BOCKSTAELE, Z BERNEMAN, Dieter Deforce, and Elfrida Van Den Eeckhout. 1999. "Analysis of Melphalan Adducts of 2'-deoxynucleotides in Calf Thymus DNA Hydrolysates by Capillary High-performance Liquid Chromatography-electrospray Tandem Mass Spectrometry." Journal of Chromatography B 736 (1_2): 43-59. 12/ Deforce, Dieter, and Elfrida Van Den Eeckhout. 2000. "Analysis of Oligonucleotides by ESI-MS." Advances in Chromatography 40: 539-566. 13/ Van Bocxlaer, Jan, KM Clauwaert, Willy Lambert, Dieter Deforce, Elfrida Van Den Eeckhout, and Andreas De Leenheer. 2000. "Liquid Chromatography-mass Spectrometry in Forensic Toxicology." Mass Spectrometry Reviews 19 (4): 165-214. 14/ VAN HOOFFSTAT, DEO, Saskia Haerincx, and Dieter Deforce. 2002. "Flemish Population Data Using the AmpF/STR Profiler (TM) PCR Amplification Kit." Forensic Science International 127 (1_2): 156-157. Impact factor: 1.023, category: MEDICINE, LEGAL, rank: 5/9. 15/ CHU, P, Dieter Deforce, IM PEDERSEN, Y KIM, S KITADA, JC REED, and TJ KIPPS. 2002. "Latent Sensitivity to Fas-mediated Apoptosis After CD40 Ligation May Explain Activity of CD154 Gene Therapy in Chronic Lymphocytic Leukemia." Proceedings of the National Academy of Sciences of the United States of America 99 (6): 3854-3859. Impact factor: 10.7, category: MULTIDISCIPLINARY SCIENCES, rank: 3/47. 16/ Mortier, Kjell, Kristof Maudens, Willy Lambert, Karine Clauwaert, Jan Van Bocxlaer, Dieter Deforce, Carlos Van Peteghem, and Andreas De Leenheer. 2002. "Simultaneous, Quantitative Determination of Opiates, Amphetamines, Cocaine and Benzoyllecgonine in Oral Fluid by Liquid

Chromatography Quadrupole_time_of_flight Mass Spectrometry." *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences* 779 (2): 321–330. Impact factor: 1.913, category: CHEMISTRY, ANALYTICAL, rank: 20/67. 17/ Willems, An, Dieter Deforce, Elfrida Van Den Eeckhout, Willy Lambert, Carlos Van Peteghem, Andreas De Leenheer, and Jan Van Bocxlaer. 2002. "Analysis of Benzo(a)pyrene Diol epoxide_DNA Adducts by Capillary Zone Electrophoresis_electrospray Ionization_mass Spectrometry in Conjunction with Sample Stacking." *Electrophoresis* 23 (24): 4092–4103. Impact factor: 4.325, category: CHEMISTRY, ANALYTICAL, rank: 2/67. 18/ Clauwaert, Karine, Sofie Vande Castele, Bart Sinnaeve, Dieter Deforce, Willy Lambert, Carlos Van Peteghem, and Jan Van Bocxlaer. 2003. "Exact Mass Measurement of Product Ions for the Structural Confirmation and Identification of Unknown Compounds Using a Quadrupole Time_of_flight Spectrometer: a Simplified Approach Using Combined Tandem Mass Spectrometric Functions." *Rapid Communications in Mass Spectrometry* 17 (13): 1443–1448. Impact factor: 2.789, category: CHEMISTRY, ANALYTICAL, rank: 9/67. 19/ Willems, An, Dieter Deforce, Willy Lambert, Carlos Van Peteghem, and Jan Van Bocxlaer. 2004. "Rapid Characterization of Oligonucleotides by Capillary Liquid Chromatography_nano Electrospray Quadrupole Time_of_flight Mass Spectrometry." *Journal of Chromatography A* 1052 (1_2): 93–101. Impact factor: 3.359, category: CHEMISTRY, ANALYTICAL, rank: 7/70. 20/ CLAUWAERT, K, T DECALESTECKER, Kjell Mortier, Willy Lambert, Dieter Deforce, Carlos Van Peteghem, and Jan Van Bocxlaer. 2004. "The Determination of Cocaine, Benzoyllecgonine, and Cocaehtylene in Small_volume Oral Fluid Samples by Liquid Chromatography_quadrupole_time_of_flight Mass Spectrometry." *Journal of Analytical Toxicology* 28 (8): 655–659. Impact factor: 1.722, category: CHEMISTRY, ANALYTICAL, rank: 26/70. 21/ Decaestecker, Tineke, Willy Lambert, Carlos Van Peteghem, Dieter Deforce, and Jan Van Bocxlaer. 2004. "Optimization of Solid_phase Extraction for a Liquid Chromatographic Tandem Mass Spectrometric General Unknown Screening Procedure by Means of Computational Techniques." *Journal of Chromatography A* 1056 (1_2): 57–65. Impact factor: 3.359, category: CHEMISTRY, ANALYTICAL, rank: 7/70. 22/ Staelens, Ludovicus, Ruth Oltenfreiter, Bart Cornelissen, PETER BLANCKAERT, Filip De Vos, Dieter Deforce, Rudi Dierckx, and Guido Slegers. 2005. "Synthesis of [I_123I]_3_(4_iodobenzyl)_1,2,3,4_tetrahydro_8_hydroxychromeno[3,4_c]pyrrolidine_5_one, a Potential Dopamine D4 Ligand for SPECT Studies." *Journal of Labelled Compounds & Radiopharmaceuticals* 48 (2): 101–108. Impact factor: 0.829, category: CHEMISTRY, ANALYTICAL, rank: 47/69. 23/ Willems, An, Dieter Deforce, Carlos Van Peteghem, and Jan Van Bocxlaer. 2005. "Analysis of Nucleic Acid Constituents by On_line Capillary Electrophoresis_mass Spectrometry." *Electrophoresis* 26 (7_8): 1221–1253. Impact factor: 3.85, category: CHEMISTRY, ANALYTICAL, rank: 3/69. 24/ Willems, An, Dieter Deforce, Carlos Van Peteghem, and Jan Van Bocxlaer. 2005. "Development of a Quality Control Method for the Characterization of Oligonucleotides by Capillary Zone Electrophoresis_electrospray Ionization_quadrupole Time of Flight_mass Spectrometry." *Electrophoresis* 26 (7_8): 1412–1423. Impact factor: 3.85, category: CHEMISTRY, ANALYTICAL, rank: 3/69. 25/ Stevensaert, Frederik, Katrien Van Beneden, Veerle De Colvenaer, ANN SOPHIE FRANKI, Veronique Debacker, Tom Boterberg, Dieter Deforce, K PFEFFER, Jean Plum, Dirk Elewaut, and Georges Leclercq. 2005. "Ly49 and CD94/NKG2 Receptor Acquisition by NK Cells Does Not Require Lymphotoxin_beta Receptor Expression." *Blood* 106 (3): 956–962. Impact factor: 10.131, category: HEMATOLOGY, rank: 2/60. 26/ Tilleman, Kelly, Dieter Deforce, and Dirk Elewaut. 2005. "Rheumatology: a Close Encounter with Proteomics." *Rheumatology* 44 (10): 1217–1226. Impact factor: 4.226, category: RHEUMATOLOGY, rank: 4/22. 27/ VERBRUGGEN, G, Sofie De Backer, Dieter Deforce, Pieter Demetter, Claude Cuvelier, Eric Veys, and Dirk Elewaut. 2005. "X Linked Agammaglobulinemia and Rheumatoid Arthritis." *Annals of the Rheumatic Diseases* 64 (7): 1075–1078. Impact factor: 6.956, category: RHEUMATOLOGY, rank: 2/22. 28/ Tilleman, Kelly, Katrien Van Beneden, Aline Dhondt, Ilse Hoffman, Filip De Keyser, Eric Veys, Dirk Elewaut, and Dieter Deforce. 2005. "Chronically Inflamed Synovium from Spondyloarthritis and Rheumatoid Arthritis Investigated by Protein Expression Profiling Followed by Tandem Mass Spectrometry." *Proteomics* 5 (8): 2247–2257. Impact factor: 6.088, category: BIOCHEMICAL RESEARCH METHODS, rank: 5/51. 29/ FRANKI, ANN SOPHIE, Katrien Van Beneden, Pieter Dewint, Ivan Meeus, Eric Veys, Dieter Deforce, and Dirk Elewaut. 2005. "Lymphotoxin Alpha 1 Beta 2: a Critical Mediator in V Alpha 14i NKT Cell Differentiation." *Molecular Immunology* 42 (4): 413–417. Impact factor: 4.307, category: IMMUNOLOGY, rank: 19/113. 30/ DENYS, D, Filip Van Nieuwerburgh, Dieter Deforce, and HGM WESTENBERG. 2006. "Association Between Serotonergic Candidate Genes and Specific Phenotypes of Obsessive Compulsive Disorder." *Journal of Affective Disorders* 91 (1): 39–44. Impact factor: 3.138, category: CLINICAL NEUROLOGY, rank: 28/146. 31/ Nailsis, Heleen, Tom Coenye, Filip Van Nieuwerburgh, Dieter Deforce, and Hans Nelis. 2006. "Development and Evaluation of Different Normalization Strategies for Gene Expression Studies in Candida Albicans Biofilms by Real_time PCR." *Bmc Molecular Biology* 7. Impact factor: 3.5, category: BIOCHEMISTRY & MOLECULAR BIOLOGY, rank: 84/259. 32/ DENYS, D, Filip Van Nieuwerburgh, Dieter Deforce, and HGM WESTENBERG. 2006. "Association Between the Dopamine D_2 Receptor Taq1 A2 Allele and Low Activity COMT Allele with Obsessive_compulsive Disorder in Males." *European Neuropsychopharmacology* 16 (6): 446–450. Impact factor: 3.794, category: CLINICAL NEUROLOGY, rank: 19/146. 33/ Van Nieuwerburgh, Filip, Sofie Vande Castele, Lies Maes, Alain Goossens, Dirk Inzé, Jan Van Bocxlaer, and Dieter Deforce. 2006. "Quantitation of Artemisinin and Its Biosynthetic Precursors in Artemisia Annua L. by High Performance Liquid Chromatography _ Electrospray Quadrupole Time_of_flight Tandem Mass Spectrometry." *Journal of Chromatography A* 1118 (2): 180–187. Impact factor: 3.554, category: CHEMISTRY, ANALYTICAL, rank: 6/68. 34/ FRANKI, ANN SOPHIE, Katrien Van Beneden, Pieter Dewint, KJL HAMMOND, Stijn Lambrecht, Georges Leclercq, M KRONENBERG, Dieter Deforce, and Dirk Elewaut. 2006. "A Unique Lymphotoxin Alpha_beta_dependent Pathway Regulates Thymic Emigration of V Alpha 14 Invariant Natural Killer T Cells." *Proceedings of the National Academy of Sciences of the United States of America* 103 (24): 9160–9165. Impact factor: 9.643, category: MULTIDISCIPLINARY SCIENCES, rank: 3/50. 35/ Vander Cruyssen, Bert, Tineke Cantaert, L NOGUEIRA, C CLAVEL, LEEN DE RYCKE, A DENDOEN, M SEBAG, Dieter Deforce, C VINCENT, Dirk Elewaut, G SERRE, and Filip De Keyser. 2006. "Diagnostic Value of Anti_human Citrullinated Fibrinogen ELISA and Comparison with Four Other Anti_citrullinated Protein Assays." *Arthritis Research & Therapy* 8 (4). Impact factor: 3.801, category: RHEUMATOLOGY, rank: 6/23. 36/ Lambrecht, Stijn, Dieter Deforce, and Dirk Elewaut. 2006. "Entering the Era of Proteomics in Rheumatology." *Expert Opinion on Drug Discovery* 1 (6): 539–548. 37/ Coppieters, Ken, Pieter Dewint, Katrien Van Beneden, Peggy Jacques, Sylvie Seeuws, August Verbruggen, Dieter Deforce, and Dirk Elewaut. 2007. "NKT Cells: Manipulable Managers of Joint Inflammation." *Rheumatology* 46 (4): 565–571. Impact factor: 4.045, category: RHEUMATOLOGY, rank: 3/21. 38/ T'Kindt, Ruben, G ALAERTS, Y VANDER HEYDEN, Dieter Deforce, and Jan Van Bocxlaer. 2007. "Broad_spectrum Separations in Metabolomics Using Enhanced Polar LC Stationary Phases: A Dedicated Evaluation Using Plant Metabolites." *Journal of Separation Science* 30 (13): 2002–2011. Impact factor: 2.632, category: CHEMISTRY, ANALYTICAL, rank: 19/69. 39/ Geeraerts, Ben, Barbara Vanhoecke, Wim Vanden Berghe, Jan Philippé, Fritz Offner, and Dieter Deforce. 2007. "Deguelin Inhibits Expression of I Kappa B Alpha Protein and Induces Apoptosis of B CLL Cells in Vitro." *Leukemia* 21 (8): 1610–1618. Impact factor: 6.924, category: HEMATOLOGY, rank: 6/61. 40/ Desplanques, Ann, Hans Nauwynck, Kelly Tilleman, Dieter Deforce, and Herman Favoreel. 2007. "Tyrosine Phosphorylation and Lipid Raft Association of Pseudorabies Virus Glycoprotein E During Antibody_mediated Capping." *Virology* 362 (1): 60–66. Impact factor: 3.765, category: VIROLOGY, rank: 6/25. 41/ Tilleman, Kelly, Ann Union, T CANTAERT, S DE KEYSER, A DANIELS, Dirk Elewaut, Filip De Keyser, and Dieter Deforce. 2007. "In Pursuit of B_cell Synovial Autoantigens in Rheumatoid Arthritis: Confirmation of Citrullinated Fibrinogen, Detection of Vimentin, and Introducing Carbonic Anhydrase as a Possible New Synovial Autoantigen." *Proteomics Clinical Applications* 1 (1): 32–46. 42/ VAN SLAMBROUCK, S, WFA STEELANT, M LOPEZ, MA RECCHI, Y BOILLY_MARER, Erik Bruyneel, P DELANNOY, A VERBERT, Elfrida Van Den Eeckhout, and Dieter Deforce. 2007. "Edelfosine Protects Recultured Heart Fragments Against the Invasion of Malignant Cells Through Altered Sialylation." *Oncology Reports* 17 (2): 433–439. Impact factor: 1.597, category: ONCOLOGY, rank: 94/129. 43/ Coppieters, Ken, Katrien Van Beneden, Peggy Jacques, Pieter Dewint, Ann Vervloet, Bert Vander Cruyssen, Serge Van Calenberg, Guangwu Chen, Richard Franck, August Verbruggen, Dieter Deforce, Patrick Matthys, Moriya Tsuji, Pieter Rottiers, and Dirk Elewaut. 2007. "A Single Early Activation of Invariant NK T Cells Confers Long_term Protection Against Collagen_induced Arthritis in a Ligand_specific Manner." *Journal of Immunology* 179 (4): 2300–2309. Impact factor: 6.068, category: IMMUNOLOGY, rank: 13/117. 44/ Denys, Damiana, Filip Van Nieuwerburgh, Dieter Deforce, and Herman GM Westenber. 2007. "Prediction of Response to Paroxetine and Venlafaxine by Serotonin_related Genes in Obsessive_compulsive Disorder in a Randomized, Double_blind Trial." *Journal of Clinical Psychiatry* 68 (5): 747–753. 45/ Lambrecht, Stijn, Gert Verbruggen, PETER VERDONK, Dirk Elewaut, and Dieter Deforce. 2008. "Differential Proteome Analysis of Normal and Osteoarthritic Chondrocytes Reveals Distortion of Vimentin Network in Osteoarthritis." *Osteoarthritis and Cartilage* 16 (2): 163–173. Impact factor: 4.082, category: ORTHOPEDICS, rank:

1/49. 46/ Lambrecht, Stijn, Kelly Tillemans, Dirk Elewaut, and Dieter Deforce. 2008. "Proteomics in Rheumatology: The Beginning of a Fairy Tale?" *Proteomics Clinical Applications* 2 (3): 411–419. Impact factor: 1.514, category: BIOCHEMICAL RESEARCH METHODS, rank: 51/65. 47/ Dewint, Pieter, Valerie Gossye, Karolien De Bosscher, Wim Vanden Berghe, Katrien Van Beneden, Dieter Deforce, Serge Van Calenberghe, U MULLER_LADNER, Bert Vander Cruyssen, August Verbruggen, Guy Haegeman, and Dirk Elewaut. 2008. "A Plant-derived Ligand Favoring Monomeric Glucocorticoid Receptor Conformation with Impaired Transactivation Potential Attenuates Collagen-induced Arthritis." *Journal of Immunology* 180 (4): 2608–2615. Impact factor: 6, category: IMMUNOLOGY, rank: 18/121. 48/ Cheung, Kin Jip, Kelly Tillemans, Dieter Deforce, Isabelle Colle, and Hans Van Vlierberghe. 2008. "Proteomics in Liver Fibrosis Is More Than Meets the Eye." *European Journal of Gastroenterology & Hepatology* 20 (5): 450–464. Impact factor: 2.08, category: GASTROENTEROLOGY & HEPATOLOGY, rank: 33/55. 49/ Tillemans, Kelly, Kathleen Van Steendam, Tineke Cantaert, Filip De Keyser, Dirk Elewaut, and Dieter Deforce. 2008. "Synovial Detection and Autoantibody Reactivity of Processed Citrullinated Isoforms of Vimentin in Inflammatory Arthritides." *Rheumatology* 47 (5): 597–604. Impact factor: 4.136, category: RHEUMATOLOGY, rank: 7/22. 50/ Vander Cruyssen, Bert, L NOGUEIRA, Jens Van Praet, Dieter Deforce, Dirk Elewaut, G SERRE, and Filip De Keyser. 2008. "Do All Anti_citrullinated Protein/peptide Antibody Tests Measure the Same? Evaluation of Discrepancy Between Anti_citrullinated Protein/peptide Antibody Tests in Patients with and Without Rheumatoid Arthritis." *Annals of the Rheumatic Diseases* 67 (4): 542–546. Impact factor: 7.188, category: RHEUMATOLOGY, rank: 1/22. 51/ T'Kindt, Ruben, Lieven De Veylder, Michael Storme, Dieter Deforce, and Jan Van Bocxlaer. 2008. 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Lane, Said El Ouadi, Jean-Baptiste Vincendet, Nick Morrice, Stuart Oehrle, Nikunj Tanna, Steve Silvester, Sally Hannam, Florian C. Sigloch, Andrea Bhangu-Uhlmann, Jan Claereboudt, N. Leigh Anderson, Morteza Razavi, Sven Degroove, Lize Cuyppers, Christophe Stove, Katrien Lagrou, Geert A. Martens, Dieter Deforce, Lennart Martens, Johannes P. C. Vissers, and Maarten Dhaenens. 2021. "Cov-MS: A Community-Based Template Assay for Mass-Spectrometry-Based Protein Detection in SARS-CoV-2 Patients." *JACS AU* 1 (6): 750-765. doi:10.1021/jacsau.1c00048. 17. Daled, Simon, Sander Willems, Bart Van Puyvelde, Laura Corveleyn, Sigrid Verhelst, Laura De Clerck, Dieter Deforce, and Maarten Dhaenens. 2021. 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Van Oudenhove, Ralf Gabriels, Robbin Bouwmeester, Simon Daled, Tim Van Den Bossche, Pathmanaban Ramasamy, Sigrid Verhelst, Laura De Clerck, Laura Corveleyn, Nathan Debunne, Evelien Wynendaele, Bart De Spiegeleer, Péter Judák, Kris Roels, Laurie De Wilde, Peter Van Eenoo, Tim Reynolds, Marc Cherlet, E. Dumont, G. Debyser, R. t'Kindt, K. Sandra, Surya Gupta, Nicolas Drouin, Amy Harms, Thomas Hankemeier, DJL Jones, P. Gupta, D. Lane, C.S. Lane, S. El Ouadi, JB. Vincendet, N. Morrice, S. Oehrle, N. Tanna, S. Silvester, S. Hannam, F. Sigloch, A. Bhangu-Uhlmann, J. Claereboudt, L. Anderson, M. Razavi, Sven Degroove, L. Cuyppers, Christophe Stove, K. Lagrou, G. Martens, Dieter Deforce, Lennart Martens, J.P.C. Vissers, and Maarten Dhaenens. 2020. "Cov-MS: A Community-Based Template Assay for Clinical MS-Based Protein Detection in SARS-CoV-2 Patients." *MedRxiv*. doi:10.1101/2020.11.18.20231688. 3. 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Van Puyvelde, Bart, Simon Daled, Sander Willems, Ralf Gabriels, Anne Gonzalez de Peredo, Karima Chaoui, Emmanuelle Mouton-Barbosa, David Bouyssié, Kurt Boonen, Christopher J. Hughes, Lee A. Gethings, Yasset Perez-Riverol, Nic Bloomfield, Stephen Tate, Odile Schiltz, Lennart Martens, Dieter Deforce, and Maarten Dhaenens. 2022. "A Comprehensive LFQ Benchmark Dataset on Modern Day Acquisition Strategies in Proteomics." *BioRxiv*. doi:10.1101/2021.11.24.469852. **a4 articles in journals and not included under (a1), (a2) or (a3)** 1. Smet, Annemieke, Van Nieuwerburgh Filip, Ledesma Jessica, Flahou Bram, Deforce Dieter, Ducatelle Richard, Haesebrouck Freddy. 2013. "Genome Sequence of *Helicobacter Heilmannii* Sensu Stricto ASB1 Isolated from the Gastric Mucosa of a Kitten with Severe Gastritis." *Genome Announcements* 1 (1). 2. Vandecandelaere, Ilse, Van Nieuwerburgh Filip, Deforce Dieter, Nelis Hans, Coenye Tom. 2014. "Draft Genome Sequence of Methicillin-resistant *Staphylococcus Epidermidis* Strain ET_024, Isolated from an Endotracheal Tube Biofilm of a Mechanically Ventilated Patient." *Genome Announcements* 2 (3). 3. Haesendonck, Roel, Van Nieuwerburgh Filip, Haesebrouck Freddy, Deforce Dieter, Pasmans Frank, Martel An. 2015. "Genome Sequence of

Devriesea Agamarum, Isolated from Agamid Lizards with Dermatitis." Genome Announcements 3 (4). 4. Castel Brecht (journalist and factchecker at Knack), 30 September 2020. "Factcheck: Nee, 'Oxford studie' zegt niet dat covidtest 70% valspositieven oplevert." Amongst others based on various phone conversations with Dieter Deforce (between 24_29 September 2020). Knack Factchecker. 5. Oehrie Stuart, Van Oudenhove Laurence, Claerboudt Jan, Vissers Hans, Van Puyvelde Bart, Daled Simon, Van Uytvanghe Katleen, Deforce Dieter, Dhaenens Maarten. 2020. "Comprehending COVID_19: Application of UniSpray and ElectroSpray Ionization for the Detection of Proteolytic Digested SARS_CoV_e Proteins." Clinical Research Application Note, Library Number: APNT135077658, www.waters.com. 6. Van Oudenhove Laurence, Claerboudt Jan, Moore Rowan, Vissers Hans, Van Puyvelde Bart, Daled Simon, Deforce Dieter, Van Uytvanghe Katleen, Silvester Steve, Hannam Sally, Jones Donald, Lane Dan, Gupta Pankaj, Ng Leong, Dhaenens Maarten. 2020. "Comprehending COVID_19: Maximizing LC_MS Detection Dynamic Range for Multiple Reaction Monitoring Based SARS_CoV_2 Analysis." Clinical Research Application Note, Library Number: APNT135075039, www.waters.com. 7. Van Oudenhove Laurence, Tanna Nikunj, Claerboudt Jan, Vissers Hans, Van Puyvelde Bart, Daled Simon, Deforce Dieter, Van Uytvanghe Katleen, Dhaenens Maarten. 2020. "Comprehending COVID_19: Multiple Reaction Monitoring Transition Selection and Optimization Strategies for LC_MS Based SARS_CoV_2 Detection". Clinical Research Application Note, Library Number: APNT135074918, www.waters.com.

Projects

Memberships

1/ academic service (relevant to the position to be conferred): academic consultation, membership of academic committees, editing academic journals, etc. 1994_1996 Member of the "International Association for Pharmaceutical Biotechnology" as joint founder 1996_1999 Representative of the Assistant Academic Staff in the faculty board of the Faculty of Pharmaceutical Sciences, as first successor 1997_1999 Representative of the Assistant Academic Staff in the Faculty of Pharmaceutical Sciences, as secretary 1997_1999 Representative of the Assistant Academic Staff in the education committee of the Faculty of Pharmaceutical Sciences 1997 Member of the lecturer appointment committee (1.10.97) 1999 Member of the lecturer appointment committee (11.01.99) Since June 2003 Assistant chairman of the proteomics section of the KVCV Since 2004 Expert at the European Agency for the Evaluation of Medicinal Products, for the quality aspects of biotechnological drugs Since 2004 Member of the EMA's Scientific Advice Working Party Since 2005 Expert for FAGG scientific advice on biotechnological medicines 2006 Guest expert for evaluating CORT grants at the NIH, USA Since 2009 Member of the Editorial Board of the magazine "Journal of Clinical Bioinformatics" Since 2010 Review Editor of the magazine "Frontiers in Predictive Toxicity" Since 2010 Member of the faculty committee for scientific research 2010_2012 Faculty representative of the faculty in UGent's research council 2012_2016 Member of the International Editorial Board of the magazine "British Journal of Clinical Pharmacology" Since 2012 Faculty representative in het gamma working committee of the research council Since 2012 President of FI_Ugent (Forensic Institute of the University of Ghent) Since 2012 Member of the NXTGNT executive committee _ next generation sequencing 2012_2015 Member of the committee for medicinal plants of FAGG Since 2013 Expert advisor and monitor of the national action plan in the battle against partner crime and other intrafamily violence Since 2013 Member of the Advice Committees Expertise / Service / Customer relations of the WIV_ISP Since 2013 Member of the education committee Master Medicine Development of the faculty Since 2014 Member of the Faculty Council of the faculty of pharmacy Since 2014 Member of the FWO MED1 expert panel committee Since 2015 Member of the Editorial Board of Spring Plus, 'Biomedical and Life Sciences' section 2015_2019 Member of the IOF board of the AUGent Since 2016 Member of the board of the VIB Since 2016 President of the FAGG committee on Human Medicines Since 2016 DNA expert for Eurofins Forensics Belgium, accredited by BELAC and recognised by the Ministry of Justice Since 2017 Member of the University of Antwerp reading committee III Since 2017 Member of the PeerJ Editorial Board Since 2018 Member of the General Board of Sciensano (former WIV-ISP) Since October 2023 President of the IOF (Industrieel OnderzoeksFonds) UGent **2/ social service (relevant to the position to be conferred): presentations, information sessions, membership of professional organisations, possible functions within university management or other relevant experience** 1994_1999 Technical Director of the Laboratory for Pharmaceutical Biotechnology accredited by BELTEST, providing services in the field of DNA identification, accredited since 16 September 1996 Since 1997 Member of the American Association of Pharmaceutical Sciences Since 1998 Member of the Belgian Society of Biochemistry and Molecular Biology 2001_2016 Director of the Laboratory for Pharmaceutical Biotechnology accredited by BELAC, providing services in the field of DNA identification for forensic purposes, accredited since 16 September 1996, recognised by the Ministry of Justice since 2004 Since 2001 Chairman of the biosafety committee of the Faculty of Pharmaceutical Science Since 2001 Deputy member as biology expert in the committee for court costs in criminal cases of the Ministry of Justice Since 2002 Member of the Belgian Society of Biochemistry and Molecular Biology Since 2002 Member of the Belgian Bioindustries Association Since 2002 Member of the American Association of Pharmaceutical Scientists Since 2002 Member of the American Association for the Advancement of Science 2004_2014 Member of the DNA evaluation committee, by appointment of the Minister of Justice 2004_2010 Member of the Board of Directors of Toxi_Test NV (UGent spin_off) 2006 Member of the Belgian Society for Human Genetics Since 2012 Member of the National Council of "Orde der Apothekers" December 2014 Expert / jury member of the Jury for Recruitment & Promotion of WIV/ISP: selection of senior bio_informaticus on December 10th 2014

Other Relevant Information

international or national conferences or symposia that I have organised: 1995 Ghent, Belgium, April 24 _ 27. Member of the organising committee of "The Second International Conference on Pharmaceutical Biotechnology". 1997 Ooidonk, Belgium, February 13. Member of the organising committee of the minisymposium on "DNA fingerprinting and its legal aspects". 2004 Flanders Proteomics 2004, KVCVp Symposium on proteomics, Antwerp, Belgium, June 6th, 2004 2006 Proteome Analysis in Systems Biology, 2nd KVCVp Symposium, Antwerp, Belgium, December 7th and 8th, 2006 2008 Proteomics in Flanders, 3rd KVCVp Symposium, Antwerp, Belgium, December 18th and 19th, 2008 2012 KVCVp/BePA Symposium, Ghent, Belgium, November 29th and 30th, 2012 lectures at universities and academic institutions: 2004 Presentation by invitation for doctors in the Clinical Research Institute, Ghent, entitled "Pharmacogenomics" 2012 Various lectures during summer school in "Forensic Genetics" at the Saint Thomas University in Florida USA 2012 Seminar at the Florida International University (FIU), Herbert Wertheim College of Medicine, Dept of Molecular Microbiology & Infectious Diseases, Miami, FL, USA, entitled "Next Generation Sequencing in Forensic DNA_analysis" 2013 Presentation by invitation for pharmacists and general practitioners of the LOK Retie_Arendonk_Dessel, entitled "Pharmacogenomics, personalized medicine" 2014 Presentation by invitation for FAGG clinical experts at FFW, UGent, Ghent, entitled "Pharmacogenomics and genetic polymorphisms" 2016 Presentation by invitation for FAGG workshop (National & EU scientific regulatory support mechanisms and initiatives for innovation in drug development), entitled "The role and importance of European Scientific Regulatory advice mechanisms - incentives for SME's and academics" 2017 Presentation by invitation for the FAGG onco_clinical team, entitled "Next Generation Sequencing" 2018 Panel member by invitation Brussels, Belgium, 29 March FAGG Vigilance Day 2018 : pharmacovigilance debate Moderator D. Deforce on invitation