



BIOSKETCH

NAME : Ieven Margareta Date of birth : 12 July 1951		POSITION TITLE Associate Professor, Faculty of Medicine	
EDUCATION/TRAINING from Bachelor			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Leuven University of Antwerp	Pharmacist PhD	1974 1981	Pharmacy Medicine

A. Positions and Honors.

University appointments:

- 1974 – 1981: Assistent (AAP) Department Pharmaceutical Sciences, University of Antwerp, Belgium.
 1986 -1990: Research fellowship Department Pharmaceutical Sciences from 1/7/1986 - 30/6/1990.
 1990 - 1992: Research fellowship Departement Medical Sciences from 1/7/1990.
 1992 – 1996: Associate Professor (BAP) at the Department Medical Sciences, UIA, from 1/11/1992.
 1996 - 2000: Associate Professor (BAP) in the Departement Pharmaceutical Sciences
 2000 – to present : Associate Professor (ZAP 10%) in the Faculties Medical and Pharmaceutical Sciences.

Hospital appointments:

- 1981 – 1989: Pharmacist University Hospital Antwerp, Belgium 1/12/81 - 15/11/1989.
 1989 – 1993: Resident Microbiology, University Hospital Antwerp, Belgium
 16/11/1989 - 30/09/1993.
 1993 – to present: Head of Department Microbiology, University Hospital Antwerp, Belgium.

Professional memberships and board memberships

- 1998 – to present: Ethics Committee University Hospital, Vice Chairperson since 2002.
 1996 – 2000: RIZIV Commission Clinical Biology
 Member Expert Committee: panels external quality control and rapports.
 2000– to present: Chairperson European Study Group on Molecular Diagnostics.
 2002 –to present: Royal Academy of Medicine Belgium: Member ad hoc commissions and jury's.
 Member in commission "Structure and organisation of Health Care in Belgium".
 2003 –to present : Supreme Health Council. Recommendations on Influenza Pandemic.
 2003– to present: Scientific Advisory Board, Quality Control for Molecular Diagnostics, Glasgow, Scotland.
 2006 – to present: Member Comissie Klinische Biologie.

Memberships of editorial boards or redaction of international Journals with referee - proces

Journal	Function	
Clinical Microbiology and Infection	Editor	2003 – present
Journal of Clinical Microbiology	Editor	From 2010
European Journal of Clinical Microbiology and Infectious Diseases	Reviewer	From ± 2000

Acta Clinica Belgica	Reviewer	From ± 1998
Clinical Microbiology and Infection	Reviewer	From 2000
Tijdschrift voor Geneeskunde	Reviewer	From ±1997
Journal of Infectious Diseases	Reviewer	From 2002
Critical Care Medicine	Reviewer	From 2004
Intensive Care Medicine	Reviewer	From 2004
European Respiratory Journal	Reviewer	From 2004
European Journal for Clinical Microbiology	Reviewer	From ± 2005
Journal for Clinical Virology	Reviewer	From ± 2005
Journal for Virological Methods	Reviewer	From ± 2005
Critical Care Medicine	Reviewer	From ± 2002

Memberships scientific societies

European Society for Enteral and Parenteral Nutrition from 1985; Belgian Society for Clinical Biology (B.V.K.B.) from 1989; European Society for Clinical Virology from 1992; Belgian Society for Infectiology and Clinical Microbiology from 1993; The International Organization for Mycoplasmaology from 1995; European Society for Clinical Microbiology and Infectious diseases from 1995; European Study Group on Molecular Diagnostics from 1995; European Study Group on Molecular Diagnostics, from 1997; Royal Academy of Medicine, Belgium, from 1/4/2000.

Awards

- 1975: CASTILLE-prize, KULeuven: "Study on the Activity and Stability of Chlorhexidine".
1986: Prof. Dr. Egon Stahl prize, for the thesis : "Anti-microbial and antiviral screening of plants and study of the antiviral working mechanism of lycorine, an alkaloid from Clivia Miniata R."
1993: Royal Academy of Medicine, Belgium for the work: "Applications of the Polymerase Chain reaction in Medical Microbiology".
2000: Royal Academy of Medicine, Belgium for the work: "Molecular methods in the diagnostic microbiology laboratory: when to start and where to stop?"
2001: Prize Belgian Society for Clinical Microbiology and Infectious Diseases: for "Detection and epidemiology of glycopeptide resistant enterococci among humans and animals" Promotor: H. Goossens, shared with P. Descheemaeker, P. Vandamme, H. Goossens.

Selected peer-reviewed publications and monographs (books) -

Publications as of 2000:

A1 Peer reviewed publications (118)

H1 Chapters in books (15)

L1 Letter to the editor (5)

2000

A1

-Mahieu Ludo, de Dooy Jozef, van Laer F.A., Jansens H., **Ieven Margareta**. - A prospective study on factors influencing aspergillus spore load in the air during renovation works in a neonatal intensive care unit
The journal of hospital infection - ISSN 0195-6701 - 45(2000), p. 191-197

-Jorens Philippe, Vanderborcht A., Ceulemans Bertien, van Bever Hugo, Bossaert Leo, **Ieven Margareta**, Goossens Herman, Parizel Paul M., van Dijk H., Stinissen P.- Encephalomyelitis associated anti-myelin autoreactivity induced by streptococcal exotoxins
Neurology / American Academy of Neurology - ISSN 0028-3878 - 54:7(2000), p. 1433-1441

-**Ieven Margareta**, Goossens W., de Wit S., Goossens Herman.- In vitro activity of gemifloxacin compared with other antimicrobial agents against recent clinical isolates of streptococci
The journal of antimicrobial chemotherapy - ISSN 0305-7453 - 45:S1(2000), p. 51-53

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-Descheemaeker P., Chapelle S., Lammens Christine, Hauchecorne M., Wijdooghe M., Vandamme Peter Alex Robert, Ieven Margaretha, Goossens Herman.- Macrolide resistance and erythromycin-resistance determinants among Belgian streptococcus pyogenes and streptococcus pneumoniae isolates
The journal of antimicrobial chemotherapy - ISSN 0305-7453 - 45(2000), p. 167-173

-van Looveren Marleen, Vandamme Peter Alex Robert, Wuyts Wim, **Ieven Margareta**, Goossens Herman.- Organization of the ribosomal operon 16S-23S gene spacer region in representatives of ****Neisseria gonorrhoeae****
Systematic and applied microbiology - ISSN 0723-2020 - 23(2000), p. 9-14

-Descheemaeker P., **Ieven Margaretha**, Chapelle S., Lammens Christine, Hauchecorne M., Wijdooghe M., Vandamme Peter Alex Robert, Goossens Herman.- Prevalence and molecular epidemiology of glycopeptide resistant enterococci in Belgian renal dialysis units
The journal of infectious diseases - ISSN 0022-1899 - 181(2000), p. 235-241

-Vaneerdeweg Wouter, Hendriks Jeroen, Lauwers Patrick, **Ieven Margareta**, Eyskens Erik.- The effect of gentamicin containing sponges on the healing of colonic anastomosis in a rat model of peritonitis
The European journal of surgery - ISSN 1102-4151 - 166(2000), p. 959-962

-Mahieu Ludo, de Dooy Jozef, van Laer F.A., Jansens H., **Ieven Margareta**.- Surveillance van de emissie van Aspergillus species tijdens verbouwingswerken op de dienst Neonatologie van het Universitair Ziekenhuis Antwerpen
NOSO info / Association belge pour l'hygiène hospitalière - ISSN 0771-5544 - 4:1(2000), p. 2-7

-de Schrijver Koen, van Bouwel E., Mortelmans L., van Rossom P., de Beukelaar T., Vael Carl, Dirven Kristien, Goossens Herman, **Ieven Margareta**, Ronveaux O.- An outbreak of Legionnaires' disease among visitors to a fair in Belgium in 1999
Eurosurveillance - 5(2000), p. 115-119

-**Ieven Margareta**.- Molecular methods in the diagnostic microbiology laboratory: when to start and where to stop?
Verhandelingen van de Koninklijke Academie voor Geneeskunde van België - 62:1(2000), p. 15-30

H1

-**Ieven Margareta**.- Chlamydia pneumoniae and atherosclerosis
Infectious diseases: emerging bacteriological pathogens / management of infectious diseases for the microbiologist - s.l., Elzenveld Workshops, 2000, p. 119-133

L1 Letter to the editor

-Conraads Viviane, **Ieven Margareta**, Smets R.M., Vorlat Anne, Janssen H., Moulijn Adriaan C., Vrints Christiaan.- Diagnosis of cytomegalovirus retinitis after heart transplantation
Transplant international - ISSN 1432-2277 - 13:5(2000), p. 379-380

2001

A1

-Mahieu Ludo, de Dooy Jozef, Lenaerts A.E., **Ieven Margareta**, de Mynck A.O.- Catheter manipulations and the risk of catheter-associated bloodstream infection in neonatal intensive care unit patients
The journal of hospital infection - ISSN 0195-6701 - 48(2001), p. 20-26

-Glupczynski Y., Garrino M.G., Carpentier M., Delmée M., Janssens M., Goossens Herman, **Ieven Margareta**.- Comparative in vitro activity of isepamicin and other antibiotics against gram-negative bacilli from intensive care units (ICU) in Belgium
Acta clinica Belgica - ISSN 0001-5512 - 56:5(2001), p. 307-315

-van Dyck E., **Ieven Margareta**, Pattyn S., van Damme L., Laga M.- Detection of **Chlamydia trachomatis** and **Neisseria gonorrhoeae** by enzyme immunoassay, culture, and three nucleic acid amplification tests
Journal of clinical microbiology - ISSN 0095-1137 - 39:5(2001), p. 1751-1756

-van den Bosch Glenn, Locatelli G., Geerts L., Faga G., **Ieven Margareta**, Goossens Herman, Bottiger D., Oberg B., Lusso P., Berneman Zwi Nisan.- Development of reverse transcriptase PCR assays for detection of active human herpesvirus 6 infection
Journal of clinical microbiology - ISSN 0095-1137 - 39(2001), p. 2308-2310

-de Schrijver Koen, **Ieven Margareta**, Goossens Herman, van Looveren Marleen, Vael Carl, Forie L., van Reeth N., Borgraeve J., Dingenen F.- Een collectieve salmonellose-outbreak door **Salmonella** ser. Typhimurium Copenhagen DT 104
Tijdschrift voor geneeskunde - ISSN 0371-683X - 57:20(2001), p. 1445-1450

-Mahieu Ludo, de Dooy Jozef, de Muynck Aimé O., van Melckebeke Guillaume, **Ieven Margareta**, van Reempts Patrick.- Microbiology and risk factors for catheter exit-site and -hub colonization in neonatal intensive care unit patients
Infection control and hospital epidemiology - ISSN 0899-823X - 22:6(2001), p. 357-362

-de Kesel Roxane J., Koppen Carina, **Ieven Margareta**, Zeyen Thierry.- Primary graft failure caused by herpes simplex virus type 1
Cornea - ISSN 0277-3740 - 20:2(2001), p. 187-190

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-Mahieu Ludo, de Muynck A.O., **Ieven Margareta**, de Dooy Jozef, Goossens Herman, van Reempts Patrick.- Risk factors for central vascular catheter-associated bloodstream infections among patients in a neonatal intensive care unit
The journal of hospital infection - ISSN 0195-6701 - 48(2001), p. 108-116

-**Ieven Margareta**.- Chlamydia pneumoniae and atherosclerosis
Verhandelingen van de Koninklijke Academie voor Geneeskunde van België - 63:5(2001), p. 433-435

-de Schrijver Koen, Dirven Kristien, van Bouwel E., Mortelmans L., van Rossom P., de Beukelaar T., Vael Carl, Fajo M., Peeters M.F., van der Zee A., Bergmans A., **Ieven Margareta**, Goossens Herman.- Een uitbraak van veteranenziekte te Kapellen in november 1999
Epidemiologisch bulletin van de Vlaamse Gemeenschap - 35:1(2001), p. 3-6

H1

-de Schrijver Koen, van Bouwel E., Mortelmans Lieven, van Rossom P., de Beukelaar T., Vael Carl, Dirven Kristien, Goossens Herman, **Ieven Margareta**, Fajo M., Ronveaux O.- Legionella-infecties: epidemische episode op een beurs in Kapellen, 1999
Diagnose en surveillance van infectieuze aandoeningen / Ducoffre, G. [edit.] - s.l., , 2001, p. 19-25

2002

A1

-Hoymans Vicky, Bosmans Johan, **Ieven Margareta**, Vrints Christiaan.- Chlamydia pneumoniae and atherosclerosis
Acta chirurgica Belgica - ISSN 0001-5458 - 102:5(2002), p. 317-322

-Camps K., Jorens Philippe, Demey Hendrik, Pattyn S.R., **Ieven Margareta**.- Clinical significance of Herpes simplex virus in the lower respiratory tract of critically ill patients
European journal of clinical microbiology and infectious diseases / European Society for Clinical Microbiology and Infectious Diseases - ISSN 0934-9723 - 21(2002), p. 758-759

-Loens Katherine, Ursi D., **Ieven Margareta**, van Aarle P., Sillekens P., Oudshoorn P., Goossens Herman.- Detection of **Mycoplasma pneumoniae** in spiked clinical samples by nucleic acid sequence-based amplification

-de Schrijver Koen, Dirven Kristien, van Bouwel E., Mortelmans Lieven, van Rossom P., de Beukelaar T., Mareels J., Vael Carl, Fajo M., Ronveaux O., Peeters M.F., van der Zee A., Beaucourt Luc, **Ieven Margareta**, Goossens Herman.- Een uitbraak van veteranenziekte na de handelsbeurs van Kapellen in 1999: epidemiologische aspecten

Tijdschrift voor geneeskunde - ISSN 0371-683X - 58:14/15(2002), p. 957-964

-de Block Christophe, de Leeuw Ivo, Bogers Johannes J.P.M., Pelckmans Paul, **Ieven Margareta**, van Marck Eric, van Hoof Viviane, Maday E., van Acker K.L., Van Gaal Luc.- Helicobacter pylori, parietal cell antibodies and autoimmune gastropathy in type I diabetes mellitus

Alimentary pharmacology and therapeutics - ISSN 0269-2813 - 16:2(2002), p. 281-289

-Nolf B., **Ieven Margareta**, van Rossem P., Goossens Herman, Vael Carl, van Bouwel E..- Legionella-infectie: diagnose en therapeutische aanpak

Tijdschrift voor geneeskunde - ISSN 0371-683X - 58:14/15(2002),

-Leuridan Elke, Dirven Kristien, van Rossom P., **Ieven Margareta**, Demeter J., van Bouwel E..- Legionella: de bacterie, pathogeniciteit, risicofactoren en preventie

Tijdschrift voor geneeskunde - ISSN 0371-683X - 58:14/15(2002), p. 934-937

-Hoymans Vicky, Bosmans Johan, Ursi D., Dubois F., van Marck Eric, Altwegg M., **Ieven Margareta**, Vrints Christiaan.- Systemic inflammation, Chlamydia pneumoniae DNA in circulating leukocytes and coronary atherosclerosis

Acta cardiologica - ISSN 0001-5385 - 57:3(2002), p. 213-219

-Hoymans Vicky, Bosmans Johan, Ursi D., Altwegg M., Martinet Wim, de Clerck Luc S., Stevens Willem J.M.K., van Marck Eric, **Ieven Margareta**, Vrints Christiaan.- Chlamydia pneumoniae and inflammation 73rd Annual Congress of the European Atherosclerosis Society, July 07-10, 2002, Salzburg, Austria - ISBN 88-323-2707-4 - Bologna, Medimond, (2002), p. 405-409

L1 Letter to the editor

-Ostyn B., Noë A., Swinne D., **Ieven Margareta**, Colebunders Robert.- A multidrug, including voriconazole, resistant oral candida infection in an AIDS patient effectively treated with echinocandin

The journal of infection - ISSN 0163-4453 - 44:1(2002), p. 57-58

2003

A1

-De Schrijver K, Dirven K, Van Bouwel K, Mortelmans L, Van Rossom P, De Beukelaar T, Vael C, Fajo M, Ronveaux O, Peeters MF, Van der Zee A, Bergmans A, **Ieven M**, Goossens H. An outbreak of Legionnaire's disease among visitors to a fair in Belgium in 1999. *Journal of the Royal Institute of Public Health* 2003, 117(2): 117-24.

-Verhoeven V, Avonts D, Meheus A, **Ieven M**, Goossens H, Van Royen P. Performance of the recommendations of a British advisory group for screening for Chlamydia in a sample of women in general practice. *J. Med. Screen* 2003, 10: 14-15.

-Verhoeven V, Avonts D, Meheus A, Goossens H, **Ieven M**, Chapelle S, Lammens C and Van Royen P. Chlamydial infections: an accurate model for opportunistic screening in general practice. *Sex. Transm. Infect.* 2003, 79: 313-7.

-Verhoeven V, **Ieven M**, Meheus A, Avonts D, Goossens H. First, do not harm; also an issue in NAA assay diagnostics for chlamydial infection. *Sex. Transm. Infect.* 2003, 79: 76-7. SCI factor: 1.732

-Loens K, **Ieven M**, Ursi D, Foolen H, Sillekens P, Goossens H Application of NucliSens Basic kit for the detection of *Mycoplasma pneumoniae* in respiratory specimens. *Journal of microbiological methods* 2003, 54(1): 127-30.

-De Block CE, De Leeuw IH, Bogers JJ, Pelckmans PA, **Ieven MM**, Van Marck EA, Van Acker KL, Van Gaal LF. Autoimmune gastropathy in type 1 diabetic patients with parietal cell antibodies: histological and clinical findings. *Diabetes Care* 2003, 26(1): 82-8. SCI factor: 7.501

-**Ieven M**, Van Looveren M, Sudigdoadi S, Rosana Y, Goossens W, Lammens C, Meheus A, Goossens H. Antimicrobial susceptibilities of *Neisseria gonorrhoeae* strains isolated in Java, Indonesia. *Sex. Transm. Dis.* 2003, 30(1): 25-9.

-Ursi D, **Ieven M**, Noordhoek GT, Ritzler M, Zandleven H, Altwegg M. An interlaboratory comparison for the detection of *Mycoplasma pneumoniae* in respiratory samples by the polymerase chain reaction. *Journal of microbiological methods* 2003, 53(3): 289-94.

-Loens K, **Ieven M**, Ursi D, De Laat C, Sillekens P, Oudshoorn P, Goossens H. Improved detection of rhinoviruses by nucleic acid sequence-based amplification after nucleotide sequence determination of the 5' noncoding regions of additional rhinovirus strains. *J. Clin. Microbiol.* 2003, 41(5): 1971-6.

-Verkooyen RP, Noordhoek GT, Klapper PE, Reid J., Schirm J, Cleator GM, **Ieven M**, Hoddevik G. Reliability of nucleic acid amplification methods for detection of *Chlamydia trachomatis* in urine: results of the first international collaborative quality control study among 96 laboratories. *Journal of clinical microbiol.* 2003, 41(7): 3013-6.

-Bruynseels P, Jorens PG, Demey HE, Goossens H, Pattyn SR, Elseviers MM, Weyler J, Bossaert LL, Mentens Y, **Ieven M**. Herpes simplex virus in the respiratory tract of critical care patients: a prospective study. *Lancet* 2003, 362: 1536-41.

-Loens K, Ursi D, Goossens H, **Ieven M**. Molecular diagnosis of *Mycoplasma pneumoniae* in respiratory tract infections. *J. Clin. Microbiol.* 2003, 41: 4915-23.

-Ursi D, Dirven K, Loens K, **Ieven M**, Goossens H. Detection of *Mycoplasma pneumoniae* in respiratory samples by real-time PCR using an inhibition control. *J. Microbiol. Methods* 2003, 55: 149-53.

-Loens K, **Ieven M**, Ursi D, Beck T, Overdijk M, Sillekens P, Goossens H. Detection of *Mycoplasma pneumoniae* by real-time nucleic acid sequence-based amplification. *J. Clin. Microbiol.* 2003, 41: 4448-50.

-Loens Katherine, **Ieven Margareta**, Ursi D., Foolen H., Sillekens P., Goossens Herman.- Application of NucliSens Basic Kit for the detection of ****Mycoplasma pneumoniae**** in respiratory specimens *Journal of microbiological methods* - ISSN 0167-7012 - 54:1(2003), p. 127-130

-Hoymans VY., Bosmans JM, Van Renterghem L, Mak R, Ursi D., Wuyts F, Vrints CJ, **Ieven M**. Importance of methodology in determinant of *Chlamydia pneumoniae* seropositivity in healthy subjects and in patients with coronary atherosclerosis. *J. Clin. Microbiol.* 2003, 41: 4049-53.

-De Dooy J, Colpaert C, Schuerwegh A, Bridts C, Van der Planken M, **Ieven M.**, De Clerck L, Stevens W, Mahieu L. Relationship between histologic chorioamnionitis and early inflammatory variables in blood, tracheal aspirates, and endotracheal colonization in preterm infants. *Pediatr. Res.* 2003, 54(1): 113-9.

-Maes J., van Royen Paul, Denekens Joke, **Ieven Margareta**, de Backer Wilfried A.K..- Het uitgestelde antibioticumvoorschrift bij verkoudheid, acute keelpijn en acute hoest: een literatuurstudie *Huisarts nu*. maandblad van de Wetenschappelijke Vereniging van Vlaamse Huisartsen / Wetenschappelijke Vereniging van Vlaamse Huisartsen - ISSN 0775-0501 - 32:10(2003), p. 519-524

2004

A1

-Verhoeven V., Avonts D., Peremans L., **Ieven M**. Coenen S. Aanbeveling voor goede medische praktijkvoering: actieve opsporing van *Chlamydia trachomatis* in de huisartsenpraktijk. *Huisarts nu* 2004 , 33: 182-198.

-Hoymans VY, Bosmans JM, Ursi D, Martinet W, Wuyts FL, Van-Marck E, Altwegg M, Vrints CJ, **Ieven MM**. Immunohistostaining assays for detection of *Chlamydia pneumoniae* in atherosclerotic arteries indicate cross-reactions with nonchlamydial plaque constituents. *J. Clin. Microbiol.* 2004 Jul; 42(7): 3219-24.

-Jorens PG, Goovaerts K, **Ieven M.** *Shewanella putrefaciens* isolated in a case of ventilator-associated pneumonia. *Respiration*. 2004; 71(2): 199-201.

-Conraads Viviane M., Jorens Philippe G., de Clerck Luc S., van Saene Hendrik K., **Ieven Margareta M.**, Schuerwegh Annemie, Bridts Chris H., Wuyts Floris, Stevens Wim J., Anker Stefan D., Rauchhaus Mathias, Vrints Christiaan J..- Selective intestinal decontamination in advanced chronic heart failure: a pilot trial. *The European Journal of Heart Failure* 2004, 6, p. 483-491.

-De Dooy J, **Ieven M**, Stevens W, Schuerwegh A, Mahieu L. Endotracheal colonization at birth is associated with a pathogen dependent pro- and anti-inflammatory cytokine response in ventilated preterm infants: a prospective cohort study
Pediatr. Res 2004; 56(4): 547-552.

-Mahieu LM, Katier N, DeDooy JJ, Jacquemyn Y, Jansens H, **Ieven MM.**
Decreasing incidence of neonatal nosocomial bloodstream infections in a neonatal intensive care unit: antenatal corticosteroid treatment an innocent bystander?
Eur. J. Pediatr. 2004 Mar; 163(3): 151-7.

L1

-**Ieven Margareta M.**, Hoymans Vicky Y., Bosmans Johan M.. Early carotid atherosclerosis and *Chlamydia pneumoniae* seropositivity: are there arguments to treat with antibiotics? *Circulation* 2004, 110:7 p. e74-e75.- Letter to the editor. SCI factor: 11.164.

H1

-Hoymans Vicky, Bosmans Johan, **Ieven Margareta**, Vrints Christiaan.- A role for chlamydia pneumoniae in atherosclerosis: fact or fiction?
Focus on atherosclerosis research / Clark, L.V. [edit.] - New York, Nova Biomedical Books, 2004, p. 73-90

-**Ieven Margareta**, Loens Katherine, Goossens Herman.- Detection and characterization of bacterial pathogens by nucleic acid amplification: state-of-the-art review
Molecular microbiology: diagnostic principles and practice / Persing, D.H. [edit.] - s.l., , 2004, p. 323-348

2005

A1

-**Ieven Margareta M** and Hoymans Vicky Y. Minireview: Involvement of *Chlamydia pneumoniae* in atherosclerosis: More evidence for lack of evidence.
J. Clin. Microbiol. 2005; 43(1): 19-24.

-Ludo M Mahieu, Jozef J De Dooy, **Margareta M Ieven**, Chris H Bridts, Wim J Stevens.
Increased levels of tumor necrosis factor- alpha and decreased levels of interleukin-12p70 in tracheal aspirates, within two hours after birth, are associated with increased mortality in ventilated preterm infants.
Pediatric Critical Care Medicine 2005; 6:682-689.

-Kristien Dirven, **Margareta Ieven**, Marcel F. Peeters, Anneke Van der Zee, Koen De Schrijver and Herman Goossens. Comparison of 3 Legionella Urinary Antigen assays during an outbreak of Legionellosis in Belgium.
J. Microbiological Methods 2005; 54:1213-1216.

-Mark Woodhead, Francesco Blasi, Santiago Ewig, Gerard Huchon, **Margareta Ieven**, Ake Ortqvist, Tom Schaberg, Antonni Torres, Geert van der Heijden, Theo Verheij.
Guidelines for the management of Adult Lower Respiratory Tract Infections. *Eur. Resp. J.* 2005; 26: 1138-1180.

H1

-**Ieven Margareta**.- Molecular methods for the detection of antibacterial resistance genes
Antibiotics in laboratory medicine / Lorian, Victor [edit.] - ISBN 0-7817-4983-2 - Philadelphia, Pa, Lippincott Williams & Wilkins, 2005, p. 509-531

-Loens Katherine, Ursi D., **Ieven Margareta**, Goossens Herman.- Nucleic acid sequence based amplification

-Loens Katherine, **Ieven Margareta**. - Nucleic acid sequence based amplification and transcription-mediated amplification
Encyclopedia of diagnostic genomics and proteomics / Fuchs, J. - New York, Dekker, 2005, p. 933-937

2006

A1

-Koen Goethaert, Marleen Van Looveren, Christine Lammens, Hilde Jansens, A. Baraniak, M. Gniadkowski, K. Van Herck, Philippe G. Jorens, Hendrik E. Demey, **Margareta Ieven**, Leo Bossaert and Herman Goossens. High-dose cefepime as an alternative treatment for infections caused by TEM-24 ESBL-producing *Enterobacter aerogenes* in severely ill patients.
Clinical Microbiology and Infectious Diseases 2006; 12:56-62.

-Maarten Moens, Ann Smet, Bart Naudts, Jeanine Verhoeven, **Margareta Ieven**, Philippe Jorens, Herman J. Geise, Frank Blockhuys.
Fast Identification of ten clinically important microorganisms using an electronic nose.
Letters in Applied Microbiology. 2006; 42:121-126.

-K. Loens, H. Goossens, C. de Laat, H. Foolen, P. Oudshoorn, S. Pattyn, P. Sillekens, and **M. Ieven**.
Detection of Rhinoviruses by tissue culture and two independent amplification techniques, Nucleic Acid Sequence-Based Amplification and Reverse Transcription-PCR, in children with acute respiratory infections during a winter season.
J. Clin. Microbiol. 2006; 44(1): 166-171.

-K. Loens, T. Beck, D. Ursi, S. Pattyn, H. Goossens, and **M. Ieven**.
Two Quality Control Exercises involving Nucleic Acid Amplification Methods for Detection of *Mycoplasma pneumoniae* and *Chlamydomphila pneumoniae* and carried out in 2 years apart (in 2002 and 2004).
J. Clin. Microbiol. 2006; 44(3): 899-908

-K. Loens, **M. Ieven**, S. Pattyn, P. Sillekens and H. Goossens. Sensitivity of Detection of Rhinoviruses in Spiked Clinical Samples by Nucleic Acid Sequence-Based Amplification in the Presence of an Internal Control.
Journal of Microbiological Methods 2006; 66: 73-78.

-K. Loens, T. Beck, H. Goossens, D. Ursi, M. Overdijk, P. Sillekens, and **M. Ieven**.
Development of conventional and real-time NASBA for the detection of *Chlamydomphila pneumoniae* in respiratory specimens. The *Journal of Clinical Microbiology*. 2006; 44:1241-4.

-K. Loens, T. Beck, H. Goossens, D. Ursi, M. Overdijk, P. Sillekens, and **M. Ieven**. Development of conventional and real-time NASBA for the detection of *Legionella pneumophila* in respiratory specimens.
Journal of Microbiological Methods 2006; 67: 408-415.

-K. De Decker, S. Van Poucke, M. Wojciechowski, **M. Ieven**, C. Colpaert, D. Vogelaers and P. G. Jorens. Successful use of posaconazole in a pediatric case of fungal necrotizing fasciitis.
Pediatr. Crit. Care. Med. 2006; 7:482-485.

-Mark Woodhead, Francesco Blasi, Santiago Ewig, Gerard Huchon, **Margareta Ieven**, Ake Ortqvist, Tom Schaberg, Antonni Torres, Geert van der Heijden, Theo Verheij.
Guidelines for the management of Adult Lower Respiratory Tract Infections.
Eur. Resp. J. 2006; 27(2): 439-439.

2007

A1

-K. Loens, K. Bergs, D. Ursi, P, H. Goossens and **M. Ieven**. Evaluation of the NucliSens easyMAG for automated nucleic acid extraction from various clinical specimens.
J. Clin. Microbiology 2007; 45: 421-425.

-Guerti Khadija, **Ieven Margareta**, Mahieu Ludo.- Diagnosis of catheter-related bloodstream infection in neonates: a study on the value of differential time to positivity of paired blood cultures.
Pediatric Critical Care Medicine 2007; 8: 470-475

-Margareta Ieven. Chlamydia pneumoniae en atherosclerose: onvoldoende evidentie voor een mogelijk verband.
Tijdschrift voor Infectieziekten 2007; 2: 61-67

-I Wybo, D. Pierard, I. Verschraegen, M. Reynders, K. Vandoorslaer, G. Clays, M. Delmée, Y. Glupczynski, B. Gordts, **M. Ieven**, P. Melin, M. Struelens, J. Verhaegen and S. Lauwers.
Third Belgian multicentre survey of antibiotic susceptibility of anaerobic bacteria.
J. Antimicrobial Chemotherapy. 2007; 59: 132-139.

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Promotor or co promotor PhDs between 2000 en 2013

	<u>Date defense</u>	<u>Discipline</u>
Ludo Mahieu	27.06.2001	Neonatology, Med Sciences
Kristien Van Acker	29.06.2001	Diabetology, Med Sciences
Vicky Hoymans	28 10 2003	Cardiology, Med Sciences
Marleen Van Looveren	24.05.2004	Microbiology, Med Sciences
Jozef De Dooy	30 sept. 2005	Pediatrics , Med Sciences
Katherine Loens	20 nov. 2007	Microbiology, Med Sciences
Dione Michel Mainak	15 juni 2010	Microbiology, Med Sciences
Bankole, Anain Ademian	21 juni 2010	Microbiology, Med Sciences
Liesbet Van Heirstraeten	27.02.2013	Microbiology, Med Sciences
Kamala Ley-Thriemer	02.10.2013	Microbiology, Med Sciences

co-promotor current PhDs

	<u>Starting date</u>	<u>Discipline</u>
Micalessi Maria	8 aug. 2009	Biomedical Sciences
Vorsters Alex	28 mei 2009	Microbiology, Med Sciences
Kaswa Kayomo Michel	sept 2010	Microbiology, Med Sciences

Member of PhD commissions at other Universities

<u>name university</u>	<u>faculty or department</u>	<u>Year od defense</u>
Vrije Universiteit Amsterdam	Medicine	Dr. H.F. Berg, 2004
Vrije Universiteit Amsterdam	Medicine	Dr. B. Maraha, 2004
Vrije Universiteit Amsterdam	Medicine	Khalil Boutaga, 19/9/2006
Vrije Universiteit Amsterdam	Medicine	Dr. Nashwan al Naiemi, 22/2/2007
Vrije Universiteit Amsterdam	Medicine	Dr. R. Peters, 4/10/2007
Universiteit Maastricht	Medicine	Dr. C. Linssen, 18/10/2007
Universiteit Maastricht	Medicine	Dr. Eric Nulens 9/12/2010
Universiteit Rotterdam	Medicine	Dr. Tim Schuurman, 18/06/2008
Katholieke Universiteit Leuven	Medicine	Dr. Vandersmissen, 4/09/2009
Kathol Univ Leuven	Medicine	Veroniek Saegeman, 06/2010
Universiteit Maastricht	Medicine	Casper den Heijer, 24/04/2013

Research Support..

Promotor or Co-ordinator of the following projects:

1999-2001: FWO project VTM Levenslijn : "Study for the presence of *Chlamydia pneumoniae* in human atherosclerotic lesions and possible relationship with apoE genotypes, circulating antibodies and markers of cellular immunity".

1999-2001: Glaxo Smith Kline Grant "The role of Herpes simplex virus in upper en lower respirator tract of ICU patients"

1999-2003: ASVSEO UA Stimulation partic.VIS: University of Antwerp: "Prospective study for the prevalence and importance of Herpes simplex virus in respiratory tract of ICU patients".

Financed by: Stimul. EU-partic-VIS

Budget: 57.413 Euro

2001-2003: BOF: Small Project of the Research Council University of Antwerp: "Prevalence of Mycoplasma fermentans, Mycoplasma hominis and Mycoplasma penetrans in patients with Chronic Fatigue Syndrome and in controls."

1999-2003: Glaxo Smith Kline Grant: "The role of Herpes simplex virus in upper en lower respiratory tract of ICU patients".

2000-2004:Coordinator of 5th Framework Quality of Life of the EU-Project QLRT: "Development and evaluation of nucleic acid amplification methods for the detection of respiratory pathogens in community-acquired pneumonia".(NAACAP)

Financed by : EU : 5th Framework Quality of Life QLK2-CT-2000-00294

Budget: 401.341 Euro

2006-2008: FWO project: "Double blind placebo controlled randomised study on the effect of pre-emptive aciclovir therapy to prevent lower respiratory tract infections with herpes simplex virus in Intensive care patients.

Main partner or co-promotor of the following projects:

1996-1998: :FWO project (Co promotor) : "A prospective clinical and experimental study of the effect of changes in blood lipids and cytomegalovirus infection on the development of chronic cyclosporine nephro toxicity"

2006 – 2011: Genomics to Combat Resistance against Antibiotics in Community-acquired LRTI in Europe (GRACE, DG Research 2006 – 2011). Technical platform Co-ordinator and Workpackage leader of the diagnostic workpackage.in the investigation of community-acquired Lower Respiratory Tract Infections.

Financed by: EU : 6th Framework Quality of Life QLK2-CT-2000-00294

Budget: 1.10000Euro (total workpackage : 401.341 Euro for lab University Antwerp

Collaborating in several other EU financed projects:

InTopSens: A highly **integrated optical sensor** for point of care label free identification of pathogenic bacteria strains and their antibiotic resistance

Financed by: EU : 6th Framework

Timing: 1/02/2006-31/8/2011

RAPP-ID: Development of **RA**pid **P**oint of care Test **P**latforms for **I**nfectious **D**iseases

Financed by: EU : IMI (Inovative Medicine Initiatives)

Timing: 1/04/2011 -31/04/2015

Dienstverlening

Bestuurs- en/of adviesfuncties in wetenschappelijke en sociale organisaties

omschrijving activiteit	naam van instelling/ organisatie/plaats	omvang en periode van de opdracht	bezoldigd/ onbezoldigd
Expertises in rechtszaken waarin infectieuze problemen ter discussie zijn			onbezoldigd
Actieve participatie in verschillende binnenlandse en buitenlandse commissies			onbezoldigd
Expert Hoge Gezondheidsraad			onbezoldigd
Adviescommissie KAGB			onbezoldigd
Lid jury's beurzen	IWT Brussel	2002- heden	onbezoldigd
Lid jury Prijs Joséphine Charlotte	FWO Brussel	2005-	onbezoldigd

Lid Advisory Commission: voorstellen en organisatie symposia European Congress for Clinical Microbiology and Infectious Diseases	Europ. Soc. Clin. Microbiology and Infect. Diseases	heden sedert september 2001	onbezoldigd
Voorzitter: organisatie Symposia en voorstellen in executive committee QCMD	Europ. Study Group in Molecular Diagnostics	sedert 1996	onbezoldigd
Bestuurslid: voorstellen inzake organisatie 4 postacademische vormingsavonden/jaar	Werkgroep Biologen Antwerpen	sedert 1996	onbezoldigd
Executive Committee: voorstellen en uitwerking Europese kwaliteitscontrole moleculair biologische tests	Quality Control Molecular Diagnostics, Glasgow	2001 – heden	onbezoldigd
Lid Expertencomite Moleculaire Microbiologie: samenstelling panels externe kwaliteitscontroles + rapporten	RIZIV: Commissie Klinische Biologie	Sedert 2004	onbezoldigd
Lid Werkgroep Microbiologie: adviezen inzake plaats moleculair diagnostische tests, organisatie kwaliteitscontrolesterug en adviezen in verband met terugbetaling diagnostische tests	RIZIV : Centra Moleculaire Diagnostiek	2000-2006	onbezoldigd
Titelvoerend Lid: adviezen in speerpuntcommissie "Structuur en organisatie van de gezondheidszorg", adviezen in ad hoc commissies en jury's	Koninklijke Academie Geneeskunde België	sedert april 2002	onbezoldigd
Lid Werkgroep Microbiologie: adviezen inzake terugbetaling diagnostische tests	RIZIV: Commissie Klinische Biologie	Sedert 2004	onbezoldigd
Actief lid Commissie Klinische Biologie: adviezen inzake terugbetaling diagnostische tests	RIZIV Commissie Klinische Biologie	Sedert 2004	onbezoldigd