

## CURRICULUM VITAE

Name: Inge C. GYSSENS born in Antwerp, Belgium  
Nationality: Belgian

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The Netherlands

### ACTUAL POSITIONS

June 2007 till present  
Senior researcher, Department of Medicine, Radboud University Medical Center, Nijmegen,  
The Netherlands

October 2018 till present  
Emeritus Professor of Infectious Diseases, Hasselt University, Hasselt, Belgium

### PREVIOUS APPOINTMENTS AND POSITIONS

2012 - 2018  
Professor of Infectious Diseases, Hasselt University, Hasselt, Belgium

2008 - 2018  
Internist/Infectious Diseases, Head of the Department of Infectious Diseases & Immunity,  
Jessa Ziekenhuis vzw, Hasselt, Belgium

2009 - 2012  
Visiting professor, Faculty of Medicine, Hasselt University, Hasselt, Belgium

1992 - 2007  
ID Fellowship Program Director (2006-2007), Associate ID Fellowship Program Director  
(1997-2005), Division of Infectious Diseases, Department of Internal Medicine, Erasmus  
University Medical Center Rotterdam and Lecturer in Infectious Diseases, Anti-Infective  
Pharmacology and HIV, Erasmus University Rotterdam.

1989 -1992  
Internist-researcher, Dept. of Internal Medicine, University Hospital Nijmegen.

1979-1984  
Medical and public health officer at the Centre Hospitalier Départemental, Projet Médical

Belge, in Dosso, Niger (NW Africa). Appointed in a bilateral Nigero-Belgian Development Program (ABOS, Ministry of Cooperation for Development, Brussels).

## **EDUCATION**

1971-74        Medicine (bachelor)  
Faculty of Medicine, Rijksuniversitair Centrum Antwerpen (Belgium)  
1974-78        Medicine (master), Medical Doctor cum laude  
Faculty of Medicine, Universitaire Instelling Antwerpen (Belgium)  
1979            Degree in Tropical Medicine, magna cum laude  
Prince Leopold Institute of Tropical Medicine, Antwerpen (Belgium)

## **TRAINING**

1984 -1989    Internal Medicine, Antwerp University (Belgium)  
1987-1988    Infectious Diseases, University Hospital Leiden (The Netherlands)  
1989           Registered as Specialist in Internal Medicine (Belgium)  
1992           Registered as Infectious Diseases specialist (The Netherlands)  
1996           PhD Thesis: "Optimizing antimicrobial drug use. Studies and interventions in a university hospital." Faculty of Medical Sciences, Radboud University Nijmegen (The Netherlands)

## **CERTIFICATES**

2010           Certificate Good Clinical Practice, Radboud University Nijmegen  
2009           Certificate in Travel Health<sup>®</sup>, International Society of Travel Medicine (ISTM)  
1991           Experimental Animal Research Techniques and in vitro alternatives, *artikel-9 functionaris*, University of Nijmegen & Utrecht  
1990           Clinical trials: Principles and practice. Erasmus program on Clinical and Epidemiological Research Methods, Erasmus University Rotterdam  
1989 -1990    Infection control specialist, Antwerp University (100 h)  
1984           Training course of the Belgian Red Cross for International Delegates (40 h)

## **GRANTS/RESEARCH FUNDING**

### **Awards**

2008           Alliance for the Prudent Use of Antibiotics (APUA) Leadership Award on behalf of the Dutch Working Party on Antibiotic Policy (SWAB)  
1987-1988    Fellowship Infectious Diseases, Rotary Foundation District 217

### **Grants**

1992-2003    Various unrestricted Research grants from pharmaceutical companies for a research programme on abscesses in a subcutaneous murine model  
1997-2011    Various unrestricted Research grants from pharmaceutical companies for pharmacokinetic and clinical studies  
1999-2002    Research grants of The Netherlands Organisation for Health Research and Development (ZonMw) project nr 2200.0033 and nr 2010.0964.02 Multicenter intervention study Surgical prophylaxis and Surveillance of Infections (CHIPS)  
2004-2007    Various Educational grants from pharmaceutical companies for quality improvement projects in the Netherlands and Indonesia  
2003-2013    Research grants from the Netherlands Ministry of Health, Welfare and Sports to the Working Party on Antibiotic Policy (SWAB) for development of clinical infectious diseases guidelines and related activities.

- 2008 Research grant from Bayer Healthcare for "Contribution of relevant pathogens and innate immunity diversity of the host to the clinical severity and treatment outcome of complicated skin and skin structure infections (cSSSIs) in the patient population of IMPACT 11974, a multinational multicenter prospective, randomised comparative study (RELIEF study)".
- 2010 LSM grant Cluster Infectious Diseases, Hasselt University Belgium
- 2011 IWT grant for PhD researcher Yati Thys, Hasselt University
- 2014 LCRP grant cluster Infection/immunity, Hasselt University
- 2014-2016 IMI grant ND4BB Topic 4 grant for *Driving Re-Investment in R&D and Responsible Antibiotic Use* (DRIVE-AB) project, WP1A, Radboudumc. [www.drive-ab.eu](http://www.drive-ab.eu)
- 2015-2020 HORIZON 2020 Topic Development of new diagnostic tools and technologies: in vitro devices, assays and platforms (PHC-10-2014) grant for *Fast Assay for Pathogen Identification and Characterization* (FAPIC) project WP8 Clinical evaluation. Hasselt University and Radboudumc. [www.fapic.eu](http://www.fapic.eu)
- 2016 Grant from the Dutch government (EU –Presidency) for organizing the DRIVE-AB 2-3 June midterm stakeholder conference *Stimulating innovation, sustainable use and global access to antibiotics*
- 2016 Grant from the ESCMID Study Group for Genomic and Molecular Diagnostics – ESGMD # 9334

## HONOURS and OFFICES

- Associate Editor, Open Forum Infectious Diseases (2018 -
- Associate Editor, Frontiers in Medicine and Frontiers in Public Health, specialty section Infectious Diseases (2018 -
- Associate Editor on the Clinical Microbiology & Infection (CMI) Editorial Board (2014 –
- Member of the scientific council Biobank Limburg (2010-
- Member of the Board (1999 – 2013), Working Party on Antibiotic Policy (Stichting Werkgroep AntibioticaBeleid, SWAB); Honorary secretary, (funded by the Netherlands Ministry of Health, Welfare and Sports, 2000 – 2004) [www.swab.nl](http://www.swab.nl)
- Chair (2005-2010) and member (2004-2011) of the Executive committee of the European Society of Medical Microbiology (ESCMID) Study Group for Antibiotic Policies (ESGAP)
- National Delegate for the focal point of Antimicrobial Resistance Netherlands, European Centre for Disease Prevention and Control (ECDC) (2007- 2013)
- Active reviewer of a number of international journals including for Journal of Antimicrobial Chemotherapy, Antimicrobial Agents and Chemotherapy, Clinical Infectious Diseases, Intensive Care Medicine, Annals of Surgery, Critical Care Medicine, Infection

## ADVISORY COMMITTEES

### Research evaluation

- 2016- INDEPTH ABACUS (AntiBiotic ACcess and USe) project, Wellcome Trust
- 2011- Grant review for ZonMw (NL), Programme Priority Medicines Antimicrobial resistance
- 2009 Evaluator for the European Commission, Research Directorate General, Directorate F- Health, Infectious Diseases
- 2006- Abstract and Scientific proposal review, ECCMIDs
- 2006 Member/Chair of the selection committee WRO Goslings Award, Society for Infectious Diseases

2003 Grant review for ZonMw (NL), Programme Prevention

### **INTERNATIONAL EXPERTISE (recent and ongoing)**

- Invited expert, Wellcome Trust Summit on antimicrobial resistance, April 2016
- Invited expert, WHO Antimicrobial consumption surveillance, March 2016
- Invited expert, EMA Phage therapy June 2015
- Invited expert, ESCMID, REIPI (Spanish Network for the Research in Infectious Diseases) and ISGlobal (Barcelona Institute for Global Health) meeting, "Consumption of antibiotics in the hospitals. Antibiotic stewardship", Barcelona (2013)
- Invited expert, Conference on Priority Medicines Antimicrobial Resistance, ZonMw, Amsterdam (2010)
- Invited expert, Meeting of European experts: "New Strategies to Monitor and Control Infections, Antibiotic Use and Resistance in Healthcare Facilities in the EU Member States", Brussels (2010)
- Invited expert, Swedish conference and workshops "The global need for effective Antibiotics- Moving towards Concerted Action", Uppsala (2010)
- Invited expert, Swedish conference and Workshops " Innovative Incentives for Effective Antimicrobials", Stockholm (2009)
- Invited expert, Ontario Antimicrobial Stewardship Project: Consensus Conference on Priority Interventions for Ontario Hospitals, Toronto, June 2009
- Consultant, WHO, Geneva, June 2009. The third challenge: Antibiotic resistance
- Expert, European Medicines Agency (EMA), London (2009)
- Consultant and Expert, European Centre for Infection Prevention and Control (ECDC), Stockholm, Antimicrobial Resistance Surveillance unit and Public Health Unit (2008-

### **INVITATIONS to FOREIGN INSTITUTES**

- 2017 January-April. Visiting professor, Infectious Diseases Clinics, Azienda Ospedaliero-Universitaria di Modena, Italy
- 2010 Laboratory Sciences Division, ICDDR, B (Prof. dr. H.P. Endtz), Dhaka, Bangladesh. Lecture "The gap between Antimicrobial resistance and the availability of antibiotics".
- 2005 Statens Serum Institut, Antimicrobial Resistance Surveillance Unit National Center for Antimicrobials and Infection Control (Dr. D.L. Monnet), Copenhagen (DK)
- 2003 Department of Medicine, Division of Infectious Diseases (Prof. W.A. Craig), University of Wisconsin, Madison (US). Lecture "Antibiotic policies in the Netherlands"

### **INVITED LECTURES (recent)**

- 2018 The Israeli Society for Infectious Diseases, "Quality Indicators and Quantity Metrics of Antibiotic Use", Tel Aviv, 20 February
- 2017 ICPIC Conference DRIVE-AB symposium "How to define and monitor responsible antibiotic use" Geneva
- 2016 IDSA Conference ID week "Quality measurement priorities for hospital antibiotic use in Europe", New Orleans
- 2016 Roundtable series BSAC, "The definition of responsible use" London
- 2015 ICAAC/ICC San Diego Meet-the-Experts "Metrics To Assess Effectiveness of Antibiotic Stewardship", San Diego
- 2015 European Congress of Clinical Microbiology and Infectious Diseases 25<sup>th</sup> ECCMID Session: SY16 "What is responsible use of antibiotics? View of low resistance

- countries", Copenhagen
- 2015 Symposium Infections in the Immunocompromised Host "Antimicrobial stewardship in immunocompromised patients in Europe", Azienda Ospedaliero-Universitaria di Modena
- 2014 Healthcare Infection Society HIS 2014, "The role and evidence for restriction as an antimicrobial stewardship tool", Lyon
- 2014 ESCMID Conference on Reviving Old Antibiotics, "Stewardship aspects for last resort antibiotics", Vienna
- 2013 Symposium Therapeutic approach to severe infections in the elderly population, do we still have options? Azienda Ospedaliero-Universitaria di Modena
- 2013 CROCMID 2013 10<sup>th</sup> Croatian congress of Clin Microbiol/7<sup>th</sup> congress of Infect Diseases, Rovinj , Croatia

## **CURRICULAR and POSTGRADUATE TEACHING EXPERIENCE**

### Radboud University Nijmegen since 2007

Undergraduate teaching; Infectious Diseases and Antimicrobial therapy

### Hasselt University 2010-2018

Undergraduate teaching; Infectious Diseases and Antimicrobial therapy

### National level 1993-2017

Postgraduate teaching: COIG, ROIG for residents in Internal Medicine; Boerhaave courses, Leiden (1993-2011); NIV, Maastricht, Cursus Klinische Anaerobe bacteriologie, Universiteit Groningen; Faculty Cours national de Gestion de la thérapie Anti-infectieuse, Université Libre de Bruxelles (2002 – 2009)

### Erasmus MC 1993-2007

Undergraduate teaching: Infectious Diseases and Antimicrobial therapy

### International level

Postgraduate teaching:

ESGAP/ESCMID postgraduate courses. Supported by educational grants from the European Society of Microbiology and Infectious Diseases (bi-) annually in Europe (2013- 2017)

European Society of Clinical Pharmacists (ESCP) workshop on 'Patients, Infections and the Clinical Pharmacist' Leuven (2012) ,15th Annual Training Course European Bone Marrow Transplant (EBMT) Wurzburg (2012)

- See also under Organisation

## **SUPERVISION OF RESEARCH at the (post) doctoral level**

- 1998-2004 Dr. L.E.T Stearne-Cullen (postdoc). Abscess model research. Erasmus University Rotterdam
- 2002 Dr. J.P. Dieleman. Safety aspects of protease inhibitors. Thesis Erasmus University Rotterdam (co-promotor)
- 2003 Dr. S.L. Buijk. Antimicrobial pharmacokinetics in critically ill patients. Thesis Erasmus University Rotterdam (co-promotor)
- 2006 C. van Nispen tot Pannekoek. Management of Diabetic Foot infections Erasmus MC Rotterdam (quality improvement project)
- 2007 H. Bax. SWAB guideline program Sepsis, Erasmus MC Rotterdam
- 2008 Dr. M. van Kasteren. Improving the prescription of Antibiotics. Thesis Focus on surgical prophylaxis. Radboud University Nijmegen (co-promotor)
- 2008 Dr. Ir. J. Manniën. Surveillance of Surgical Site Infections: the PREZIES network. Thesis LUMC, (co-promotor)
- 2009 Dr. Usman Hadi. Quantity and quality of Antibiotic use on Java, Indonesia. Thesis LUMC, (co-promotor)
- 2009 N Janssen, N4i, Pattern recognition of *B. fragilis* (project) University Medical

- Centre Nijmegen.
- 2011-13 Yati Thys, MSc, Hasselt University
- 2010 Mark Stappers, MSc, Radboud University Medical Centre Nijmegen (promotor)
- 2014 - Annelie Monnier, MSc, Radboud University Medical Centre Nijmegen (PhD track)
- 2014 - Toon Peeters, MSc, Hasselt University (PhD track)
- 2016 - Valentino D'Onofrio MSc, Hasselt University (PhD track)

### **PhD committees (recent)**

- Dr. Y. Santa Ana Telez, Evaluating pharmaceutical policies using cross-sectional comparisons and time series analysis. Utrecht University, 2016, manuscript committee
- Dr. F. Buyle, Antimicrobial stewardship programs in a hospital setting: Development of quality indicators and implementation of intervention, Ghent University, 2015, manuscript committee
- Dr. M. Tromp, Improving the care for patients with sepsis, Radboud University Nijmegen, 2012
- Dr. A.C.M. Veloo, Gram-positive anaerobic cocci, identification and relevance, UMC Groningen 2011, manuscript committee
- Dr. L. Chai Yi Ann, Host-pathogen interaction in Aspergillus infections, Radboud University Nijmegen, 2010 manuscript committee
- Dr. J.G. Ferwerda, Cross-talk of inflammatory pathways for pathogen recognition. Radboud University Nijmegen, 2010.

### **ORGANISATION of INTERNATIONAL COURSES, SYMPOSIA AND CONFERENCE**

- Co-organiser and faculty, **National SWAB training course** for Antibiotic teams in hospitals, Utrecht area, December 2013 and April 2014, The Netherlands
- Co-organiser, **Symposium** European Antibiotic Awareness Day 18 November 2011, rivm, Bilthoven, The Netherlands
- Organiser, **Symposium** National Sepsis guideline, 6 September 2011 Maarsse, The Netherlands
- Co-convenor and faculty, Pre-meeting **educational Workshops**, supported by the American Society for Microbiology (ASM) before the Interscience Conference on the Antimicrobial Chemotherapy (ICAAC), USA: annually 2003-2016
- Co-organiser and faculty, ESGAP/ESCMID **postgraduate courses**. Supported by educational grants from the European Society of Microbiology and Infectious Diseases (bi-) annually in Europe 2003-2011

### **MEMBERSHIP OF INTERNATIONAL SCIENTIFIC SOCIETIES**

#### Netherlands - Belgium

- Nederlandse Internisten Vereniging (NIV)
- Vereniging voor Infectieziekten (VIZ)

#### International

- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- Infectious Diseases Society of America (IDSA)

### **PUBLICATIONS**

More than 150 articles in peer reviewed cited medical journals (PubMed) and 12 chapters in edited books.