

1st International Fluid Academy Day
November 19, 2011, Elzenveld Congress and Convention Centre, Antwerp, Belgium

At each International Fluid Academy Day a selected group of world-experts is invited to keep the participants up-to-date with regard to fluid management and hemodynamic monitoring. Below is an alphabetical list of speakers for the 1st International Fluid Academy Days (IFAD) and the NURSING session with the ICU quiz. For each speaker a short bioprofile is given and a contact e-mail address should you wish to get in touch with him/her.

Bakker Jan
Rotterdam; The Netherlands



Current work: Jan Bakker is working in the Erasmus MC University Medical Center in the Department of Intensive Care Adults. He is Chair of the Department of Intensive Care Adults, Chair division of Anesthesiology, Operating Rooms, Intensive Care for Adults and Professor of Medicine Erasmus University Rotterdam. Education: Propeduse Psychology : 1979 Free University of Amsterdam. Medicine : 1985 University of Amsterdam. MD-exam : 1987 University of Amsterdam
 Internal Medicine. 1989 : Hospital Hilversum, Dr. F. van Kersen. 1990 : Hopital Erasme Brussel, Prof. Dr. J-L Vincent. 1991 : Hospital Hilversum, Dr. F. van Kersen. 1991 – 1994 : University Hospital Utrecht, Prof. Dr. D.W. Erkelens. 1994 – 1995 ZcA Lukas Hospital, Dr. D. van Toorn. Registration Internal Medicine : April 1995. Registration Intensive Care : November 1995. INSEAD European Health Leadership Programm: July 2008

Bauer Michael
Jena, Germany



Professor and Chief-Executive Director, Center for Sepsis Control and Care, Jena University Hospital

Research Interests and Areas of Supervision

- Molecular Medicine
- Mechanisms of organ failure
- Genomics, Transcriptomics and Proteomics in systemic inflammation/ sepsis

Curriculum vitae

Aug 2010 – Professor (W3) and chief-executive director, Center for Sepsis Control and Care, Jena University Hospital

2004 – 2010 Professor (C3) and vice chair, Department of Anesthesiology and Intensive Care Medicine, Jena University Hospital

2001 - 2004 Vice chair, Department of Anesthesiology and Intensive Care Medicine, University of Saarland

2000 Venia legendi for Clinical Anesthesiology, Medical Faculty of the University of Saarland

1999 Venia legendi for Experimental Anesthesiology, Medical Faculty of the University of Saarland
 1998 - 1999 Visiting Adjunct Professor, Dept. of Biology, University of North Carolina, Charlotte, U.S.A.

1995 - 2000 Resident, Clinic of Anesthesiology and Intensive Care Medicine, University of Saarland

1993 - 1995 Post-Doc, Johns Hopkins University, Baltimore, MD, U.S.A

1991 - 1993 Resident, Clinic of Anesthesiology and Intensive Care Medicine, University of Saarland

1990 Doctoral thesis, M. D. ("magna cum laude")

1990 - 1991 Resident, Department Trauma Surgery, University of Saarland

1983 - 1989 Medical School, University of Saarland, Homburg, and Ninewells Hospital, Medical School, Dundee, Scotland

Memberships in scientific community

- German Society of Anaesthesiology and Intensive Care Medicine (DGAI)
- German Interdisciplinary Association of Critical Care Medicine (DIVI)
- German Sepsis Society (DSG)
- European Shock Society
- Shock Society (US)

Elbers Paul
Amsterdam, The Netherlands
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Paul WG Elbers, MD, PhD (1975) is an intensivist at VU medical center, Amsterdam, The Netherlands. Special interests include quantitative acid base analysis, fluid therapy, ultrasound, pharmacokinetics, medical information technology, and the human microcirculation. The latter was the topic of his PhD thesis entitled "Focus on Flow, Imaging the Human Microcirculation in Perioperative and Intensive Care Medicine". Together with Prof. John A Kellum he edited the second edition of "Stewart's Textbook of Acid-Base". Together with Rainer Gatz, MD, he is the editor of www.acidbase.org, an online community for quantitative acid base analysis including clinical decision support tools.

Gatz Rainer
Copenhagen, Denmark
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Rainer Gatz is an anaesthesiologist working full-time in intensive care at Herlev Hospital, one of university level hospitals of the Copenhagen metropolitan area in Denmark. He has a longstanding special interest in emergency and intensive care medicine echography and in acid-base analysis based on the physicochemical approach popularized by Peter Stewart. He is closely collaborating with Paul Elbers in acid-base matters, being responsible for developing the analysis and database module on the acidbase.org website owned by Paul.

Himpe Dirk
Antwerp, Belgium
dirk.himpe@zna.be



Dirk Himpe graduated at the Catholic University of Leuven (KUL) Medical School where he was awarded Doctor in de Genees-, Heel- & Verloskunde (MD) in 1978. In 1982 he became a board-certified Specialist in Anaesthesiology and in 1998 a board-certified Intensive Care Specialist. In 1991, he passed the European Diploma in Intensive Care Medicine (EDIC). He finished his Doctoral Thesis at the Faculty of Medicine University of Antwerp (UA) and was PhD awarded as Doctor in de Medische Wetenschappen in 2004. He obtained a Getuigschrift Master in Gezondheidseconomie (MHE awarded) in 2005 at the Vlekho Business School of Brussels. He is currently the Director of the Department of Anaesthesia at the ZNA Middelheim General Hospital in Antwerp Belgium and he was President of the Medical Council at the same hospital until January 2014.

Hoste Eric
Ghent, Belgium
Eric.hoste@ugent.be



Eric Hoste is board Certified in Internal Medicine and Intensive Care Medicine. He obtained a PhD Doctorate in the Medical Sciences, on 30th November 2004 entitled "Acute Renal Failure in Critically Ill Patients". Eric Hoste obtained many scientific awards and prizes. Best oral communication SIZ (Belgian Society of Intensive Care Medicine) spring meeting, Charleroi, Belgium, 2002. Best oral communication SIZ (Belgian Society of Intensive Care Medicine) spring meeting, Brussels, Belgium, 2003. EDTNA/ERCA, Geneva, September 5th 2004. SIZ (Belgian Society of Intensive Care Medicine) award for the year 2005. ECCRN/ESICM Clinical Research Award. Berlin, Germany (3-5 Oct 2011). He is the Chief of Clinic, Intensive Care Unit, Ghent University Hospital, Belgium. Eric was a Research fellow in Critical Care Medicine, The CRISMA laboratory, Department of Critical Care Medicine, University of Pittsburgh School of Medicine, in 2003. He is Professor in the rank of senior lecturer appointment to the Ghent University, Faculty of Medicine and Health Sciences and also is a Senior Clinical Investigator of the Research Foundation-Flanders (FWO). He is member and scout for the ISN/Renal Disaster Relief task Force. Within the European Society of Intensive Care Medicine (ESICM) Eric is Deputy of the Acute Kidney Injury Section and member of the ESICM European Critical Care Research Network (ECCRN). He has been president of the Belgian Society of Intensive Care Medicine (SIZ) and his research interest focuses on clinical critical care nephrology. He is author and co-author of 104 publications in peer reviewed journals and 20 book chapters.

Ince Can
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Professor Dr Can Ince is a physiologist who heads the Department of Translational Physiology at the Academic Medical Center (AMC) of the University of Amsterdam. In addition Professor Ince is a part-time staff member (40%) of the Department of Intensive Care of the Erasmus Medical Center in Rotterdam (head Prof. Jan Bakker). Together with his team he conducts both experimental and clinical research directed at cardiovascular aspects of peri-operative medicine. Research topics include clinical microcirculation research in intensive care, cardiothoracic surgery and anesthesiology, blood transfusion, fluid resuscitation, sepsis, shock and resuscitation, acute renal failure, oxygen transport to tissue and mitochondrial function. In addition the experimental and clinical medical technology research related to the aforementioned topics is carried out. Prior to his current position he was professor of Experimental Anesthesiology at the Department of Anesthesiology as well as Prof of Cell Physiology at the AMC. Before going to the AMC (1993) he was associate professor at the University Hospital of Rotterdam at the Intensive Care Unit of the Department of General Surgery (head prof. HA Bruining). Prior to that he had worked at the Dept. of Infectious Diseases (University Hospital Leiden) for some ten years on immunological research. He has a PhD degree in Immunology/Cell physiology from that University as well as degrees in electrical and electronic engineering (BSc University of Birmingham (UK), MSc Information Theory Technical University of Delft (Netherlands)). Prof Ince is past-president of the Dutch Physiological Society, former chairman of the Scientific Committee of the Netherlands Society for Intensive Care Medicine and past-president of the International Society of Oxygen Transport to Tissue. He is member of the Hemodynamics Working Group and of the Medical Technology Assessment Working group of the European Society for Intensive Care Medicine. He is on the editorial boards of several journals and has organized several international conferences, the latest of which was the 2011 Functional Hemodynamics and Fluid Therapy International Symposium in Istanbul Turkey (see www.microcirculation-research.org/istanbul). He has authored close to 300 scientific peer reviewed papers.

Jorens Philippe
Antwerp, Belgium
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Philippe Jorens graduated in medicine (MD) in 1987 at the University of Antwerp, UIA, with high distinction. He obtained his PhD degree at the University of Antwerp (UA), UIA in 1993 on a topic entitled "Nitric oxide and interleukin-8: two

mediators released by pulmonary macrophages". He is the chairman of the department of critical care medicine, at Antwerp University Hospital, University of Antwerp and president of the medical council. He is a Full professor in critical care medicine at the Faculty of Medicine. Prof Jorens obtained many other additional certificates: In 1994: Innsbruck, European Diploma in Intensive Care Medicine, written part. In 1994: Ghent, European Diploma in Intensive Care Medicine, oral part. In 1997: Tilburg, Advanced Trauma Life Support (Am College of Surgeons). In 2004: Clinical Pharmacologist (Dutch Society of Clinical Pharmacology and Biopharmacy). In 2006 Vlerick Management School. General management for the hospital doctor. In 2008: Advanced neuro ICU management (Hamburg – Germany). He is author and co-author of > 200 peer reviewed articles and book chapters.

Kozek-Langenecker Sibylle
Vienna, Austria



Title: MD Professor MBA. Position: Chairperson, Department of Anaesthesiology and Intensive Care at the Evangelic Hospital Vienna, Hans. After completing her medical studies at the University of Vienna in 1991, she was trained at the Department of Anaesthesiology, General Intensive Care and Pain Management at the Vienna Medical University, Austria. She became Professor in Anaesthesiology in 2000 and Chairwoman of the Department of Anaesthesiology and Intensive Care at the Evangelic Hospital Vienna, Austria in 2008. Dr. Kozek-Langenecker is president of the Austrian Society of Anaesthesiology (ÖGARI) 2011-2013, member of the Austrian Task Force on Perioperative Bleeding Management of the ÖGARI, and chairperson of Subcommittee 6, Transfusion & Haemostasis, of the European Society of Anaesthesiologists (ESA) 2010-2012. Her major research interests are perioperative bleeding management and postoperative pain. In 2009 she launched an innovative multi-media e-learning platform www.perioperativebleeding.org including modules with European CME accreditation. Dr. Kozek-Langenecker wrote more than 90 articles and 30 chapters in national and international textbooks. She is currently member of the editorial board for Anesthesiology Research & Practice, Section Transfusion and AINS.

Malbrain Manu
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Manu Malbrain (1965) qualified as MD from the Catholic University of Leuven, Belgium in 1991. He is married to Bieke Depré and they have 3 sons: Jacco, Milan and Luca. He is the manager and director of the Medical and Surgical ICU, the High Care Burn Unit and a hyperbaric oxygen chamber of the

ZNA "Ziekenhuis Netwerk Antwerpen", Campus Stuivenberg/St-Erasmus in Antwerp, Belgium. As of May 1st this year he became the medical hospital director of the ZNA Stuivenberg and St-Erasmus hospitals. He is a critical care physician (1996) with a basic training in internal medicine (1991). He is actively involved in the European Society of Intensive Care Medicine (ESICM) where he chaired the Working group on abdominal problems (WGAP) within the POIC section (2009 - 2013) and studied the effects of raised intra-abdominal pressure (IAP) in general ICU patients for the last 20 years. He finished the Patient Acute Care Training (PACT) module on abdominal problems together with Jan De Waele. He was the Scientific program Chair together with Michael Sugrue of the 2nd World Congress on Abdominal Compartment Syndrome, Noosa, Australia, Dec 6-8 in 2004. He was the chairman of the 3rd WCACS in Antwerp, Belgium, March 22-24 in 2007 (www.wcacs.org). He is the founding President and actually the Treasurer of the World Society on Abdominal Compartment Syndrome (WSACS at www.wsacs.org). Together with Niels Van Regenmortel, he is co-founder of the International Fluid Academy (www.fluid-academy.org) and co-chaired the first 2 iFAD meetings on November 19th in 2011 and November 17th 2012 in Antwerp. Besides IAP, his favourite topic is less invasive (hemodynamic) monitoring and he enjoys his active involvement in (bedside) teaching and education of medical trainees and students. In 2003 he was the first ESICM Chris Stoutenbeek Award winner in Amsterdam with a study protocol on different intra-abdominal pressure measurement methods and he successfully defended his PhD doctorate's thesis in 2007 on the same topic (KU Leuven). He is author and co-author of several peer-reviewed articles, reviews, editorials, book chapters and even two whole books on ACS.

Michard Frédéric
Irvine, USA



Frédéric Michard is certified in Respiratory & Critical Care Medicine and has more than 15 years of clinical experience. He trained at the University Hospitals of Paris and did a critical care research fellowship at Harvard Medical School. He has co-authored many scientific publications on heart-lung interactions, transpulmonary thermodilution, pulse pressure variation, fluid responsiveness and peri-operative hemodynamic optimization. He has also over 10 years of collaboration with the global medical device industry and is co-inventor on 9 patents related to hemodynamic monitoring. He is a member of the Hemodynamic Research Group, University of Geneva, and Vice President, Global Medical Strategy at Edwards Lifesciences, Irvine, USA.

Monnet Xavier
Paris, France
xavier.monnet@bct.aphp.fr



Xavier MONNET is Professor of Intensive Care at the Paris-South University. He is working in the Medical Intensive Care Unit of the Bicêtre Hospital (Paris-Sud University Hospitals). Dr Monnet completed his medical studies at the Paris-6 Medical School and he earned his medical degree in 2000, with specialty in Cardiology and Intensive Care Medicine. In 2004 at 33 years, he obtained his PhD from the Paris- Sud University. Dr Monnet's main fields of research investigation are acute circulatory failure and its treatment, hemodynamic monitoring and heart-lung interactions. Since 2001, he has signed almost 100 articles in peer-reviewed scientific journals and is the author of several didactic reviews and book chapters. Dr Monnet is presently the General Secretary of the French Intensive Care Society.

Perel Azriel
Tel Aviv, Israel
perelao@shani.net



Azriel Perel qualified as MD (1974) and completed his residency in Anesthesia and Intensive Care at the Hadassah Medical Center (Hebrew University) in Jerusalem, Israel. Between 1977 and 1979 he was a Fulbright Fellow and did a Postdoctoral research fellowship in the Cardiovascular Research Institute, University of California, San-Francisco, California, followed by a critical care fellowship at the University of Florida in Gainesville. In 1985 he did a one-year Visiting Professorship of Critical Care at UC San Diego. Since 1987 he is the Chairman of the Department of Anesthesiology and Intensive Care at the Sheba Medical Center in Tel Aviv. In 1998 he became the first Full Professor of Anesthesia and Intensive Care at the Tel Aviv University in Israel. Prof Perel has received a Research Scholarship from the French Ministry of Research and Education and has been a Visiting-Professor at the Hopital Pitié-Salpêtrière, Paris, during 2004. In 2012 he has completed a 6 months Sabbatical as a Visiting Professor at the Charité hospital in Berlin. Prof Perel has been the Treasurer and Board member of the European Society of Anesthesiologists (1998-2002) and the President of the Israel Society of Anesthesiologists (2005-2011).

Rogiers Peter
Antwerp, Belgium
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Education:

- 1967-1972: primary school (OLVE, Edegem)
- 1973-1979: secondary school (OLVE, Edegem)

- 1980-1986: Doctor in medicine at the University of Antwerp (UIA), with great distinction
- 1987-1991: postgraduate training for internal medicine at the University of Antwerp
- 1992: postgraduate training for intensive care medicine at the Erasme Hospital (free University of Brussels, ULB)

Professional experience:

- 1993- : full time intensivist at the medical intensive care unit of the Middelheim General Hospital of Antwerp
- Active collaborator in the research team of professor J-L Vincent at the Erasme hospital, Free University of Brussels (ULB)
- Preparation of PhD thesis at the Erasme hospital, Free University of Brussels (ULB)

Winner of the 'Young Investigators award' of the Belgian Society of Intensive Care Medicine (SIZ). P Rogiers. Role of extra-corporeal therapies in experimental septic shock.

Van Regenmortel Niels
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Niels Van Regenmortel (°1976) qualified as MD in 2001 at Antwerp University; in 2006 he Board certified in Internal Medicine and in 2007 he was Board certified in Intensive Care Medicine. Since 2007 he is Staff member Intensive Care Department – ZNA Stuivenberg – Antwerp, Belgium. In 2009 he was Lecturer of the course "Biomedical and nursing approach of metabolic disturbances" in the Bachelor after bachelor program Nursing in Intensive Care and Emergency Care – Artesis University, Antwerp, Belgium. Niels is actually working as an internist-intensivist on the 12 bed medical intensive care unit of the Stuivenberg Hospital in Antwerp. His special interest lies in acid-base analysis and the effects of fluid management on the human acid-base status. He is a strong advocate of the physicochemical explanation of these effects, introduced by Peter Stewart, and of the deleterious effects of fluid overload. He regularly gives local and international lectures about this topic and will start a research project on the subject in collaboration with the University Hospital of Antwerp in 2014.

Vincent Jean-Louis
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Dr Vincent is Professor of intensive care at University of Brussels, and a consultant intensivist in the Department of Intensive Care at the Erasme University Hospital in Brussels. He is President of the World Federation of Societies of Intensive and Critical Care Medicine (WFSICCM) and a Past-President of the Belgian Society of Intensive Care Medicine (SIZ), the European Society of Intensive Care Medicine (ESICM), the European Shock Society (ESS), and the International Sepsis Forum (ISF). He is member of the Royal Medical Academy of Belgium. Dr. Vincent has signed more than 850 original articles, some 400 book chapters and review articles, 930 original abstracts, and has edited 99 books. He is co-editor of the Textbook of Critical Care (Elsevier Saunders) and the "Encyclopedia of Intensive Care Medicine" (Springer). He is the editor-in-chief of "Critical Care", "Current Opinion in Critical Care", and "ICU Management" and member of the editorial boards of about 30 other journals. He received several awards including the Distinguished Investigator Award of the Society of Critical Care Medicine, the College Medalist Award of the American College of Chest Physicians, the Society Medal (lifetime award) of the European Society of Intensive Care Medicine, the Laerdal Award and the prestigious Belgian scientific award of the FRS-FNRS (Prix Joseph Maisin-Sciences biomédicales cliniques). His name appears about 1000 times in Pubmed, and has been cited more than 100,000 times, yielding an H-index above 130.

Wendon Julia
London, UK
julia.wendon@kcl.ac.uk



Julia Wendon qualified as MD in 1982, at the University of Dundee (Degrees: MbChB, MRCP, FRCP). She is clinical director of critical care at Kings college hospital, UK. Her topics of interest are Acute Liver Failure, Decompensated Chronic Liver Disease, Liver Transplantation and Liver Intensive Care, Cardiovascular monitoring and support, Surgical Risk Assessment and diagnostic right heart catheterization. The management of cerebral oedema/intracranial hypertension in acute liver failure

Wilmer Alexander
Leuven, Belgium
alexander.wilmer@uzleuven.be



Alexander Wilmer performed his undergraduate studies (BS) at Hampden-Sydney College, in Virginia, USA and his graduate studies (MA + PhD) at Ludwig-Maximilians Universität in München, Germany. His Clinical training (Internal Medicine and Intensive Care) was done at the University Hospital UZ Leuven, Katholieke Universiteit Leuven, Belgium. Prof Wil-

mer is Head of Clinic at the Department of General Internal Medicine, Medical Intensive Care Unit , UZ Gasthuisberg, Leuven. He is Associate professor at the Department of Pathophysiology, Faculty of Medicine, Katholieke Universiteit Leuven. He is member of the Nederlandstalige Erkeningscommissie Intensieve Zorgen Koninkrijk België, the Bestuurscomité Belgische Vereniging voor Intensieve Zorgen

and Member of the European Society of Intensive Care Medicine. He is author and co-author of several peer reviewed articles, for more information search Pubmed for "wilmer a". His Particular interests in ICU are Liver pathology, weaning, nutrition.