

Curriculum Vitae **Univ.- Prof. Dr. D. Falkenhagen**

Personal Data: Born at March, 23, 1942 in Dresden/Germany
Father: Prof. of Physics at the Technical
University of Dresden, Mother: Housewife
Marriage to Dr. Ursula Falkenhagen in 1966
2 Children: Hilke 1968, Meike 1973

Education:

1948-1960: Primary and Secondary School in Dresden and Rostock/Germany
1960-1966: Study of Physics at the University of Rostock/Germany
1966-1971: Study of Medicine at the University of Rostock/Germany
1971-1976: Special Qualification for Internal Medicine at Department of Internal Medicine of Rostock University
1976-1978: Special Qualification for Nephrology at the Department of Internal Medicine, Division of Nephrology

Qualifications:

1966: Dipl.Phys. (Diplom-Physics)
1971: Approbation as Physician
1974: Dr.med.
1976: Specialist of Internal Medicine
1978: Specialist of Nephrology
1982: Venia legendi in Internal Medicine
1984: Dr.med.habil. joint activity with Dr. Courtney, Univ. of Strathclyde, Bioengineering Unit Glasgow

Hospitations:

1973: 2 weeks stay at the University of Hradec Kralove; CSR, Prof. Erben
1981: 3-month stay in San Francisco at the California University Prof. Gotch
1985: 2-month stay at Brown University in Providence/USA Prof. Galetti
1979/1980/1983/1984/1986/1987:
several hospitations at the Bioengineering Unit of University of Strathclyde in Glasgow, UK, Prof. Paul, Prof. Courtney

Teaching:

- From 1977 until 1991 regularly practical courses in Internal Medicine
- From 1986-1990 per semester between 16 and 30 h lectures of the principle course in Internal Medicine for students of stomatology
- From 1983 6 Lectures (from 1989 as Honorary Lecturer) at the Bioengineering Unit of the Strathclyde University in Glasgow.
- Responsible for 15 doctor thesis and 15 diploma thesis in medicine all at University of

Rostock

- 1993 Member of the International School of Artificial Organs, Guest-lectures at the University of Gent.
- From May 1991 – Dec. 2002 ca. 60 h lectures in teaching courses organised by the Company of Fresenius
- From 1994 – 1998: Lecturer at the University of Technology Vienna in the field of Bioengineering
- From 1990 – 2002 – many lectures on scientific educational sessions of INFA (Int. Faculty for Artificial Organs)
- From 1999 – 2002 Visiting Professor of the Strathclyde University, Bioengineering Unit
- From 2005 – regularly lectures in the University of Applied Sciences Krems and Danube University Krems

Scientific Activities:

Since 1971 many activities in different fields of biomaterial research, development of adsorbents for blood purification, membranes for haemodialysis, artificial liver support systems, bio- and bloodcompatibility, kinetic modelling of blood-purification.

Special Activities in Research:

From 1980 Head of Research-project "Detoxification" within the Main Research Project "Artificial Organs and Biomaterials" of the "Ex-GDR" which integrated the main research-and industrial activities including a staff of nearly 100 people

Leader of many scientific projects in:

- Development of bloodcompatible membranes for bloodpurification
- Development of selective adsorbents for haemoperfusion
- Development of "Artificial Liver Support Systems"
- Responsibility for different research-activities and projects organised together with different companies - Akzo, Gambro, Sandoz, Fresenius, Boehringer-Mannheim, Hospal
- 1996-1998: Project Coordinator of the EC-project "Extracorporeal blood purification in Multiorgan failure" within the 5. EC project line - 1.0 Mio. €
- Head of Christian Doppler Laboratory for Specific Blood Purification in Medicine from 1999-2005 – 2.5 Mio. €
- Coordinator of 5 research projects of the Country of lower Austria (from 2001 – present) – 2.5 Mio. €
- From 2008 – 2009 Project partner in several EC.projects such as "MONACO", "ABREM" and "NEPHRON" – all are still running projects (-2012/14) – 0.7 Mio. €
- From 2010 – 2014: Leader of the project "Establishment and Organisation of the Sepsis Unit" in Austria in the hospital "St. Pölten" – 0.7 Mio €

Professional Career:

1976 - 84: Head of Dialysis Division of the Department of Internal Medicine at the University of Rostock
1984 - 88: Head of Research Division at the Department of Internal Medicine at the University of Rostock
1987 Awarded to the University Docent at the University of Rostock
1988 - 91: Head of the Bioengineering Centre of the University of Rostock

- 1989 Honorary Lecturer of the Bioengineering Unit of the University of Strathclyde, Glasgow, UK...
- 1991 - 92: Scientific Marketing Manager of the Department of Medical Technology/Fresenius-AG, Germany
- 1992 Guest professorship at the University of Ghent, School of Medicine (Biomedical Technology)
- 1992 - 95: Head of the Interdisciplinary Institute of Bioengineering at the Scientific Academy (in future: Danube-University) in Krems/Austria
- 1993 Awarded to a 3-year professor of the International faculty for Artificial Organs having its Headquarter at the University of Bologna
- from 1995: Head of the Centre of Biomedical Technology, Danube University, Krems, Austria
- Feb. 1996: Awarded as Head of the Department of Environmental and Medical Sciences of the Danube University Krems, Austria
- 1996:-2005 Elected to Chairman of the Kollegium of the Danube University Krems
- 1997 Awarded to a tenured professor of the International Faculty for artificial organs
- March 2004: Elected Chairman of the "Gründungskonvent" of the Danube University Krems
- Dec 2005: Nomination to a full Professor for Tissue- and Organ Replacement at the Danube University Krems and at the same time Head of Department for Clinical Medicine and Biotechnology

Membership in National Societies:

- German Society of Nephrology + Austrian Society of Nephrology
- German Society of Internal Medicine + Austrian Society of Internal Medicine
- German Society of Biotechnical Engineering and Austrian Society of Biomedical Engineering
- Austrian Society of Nephrology and Internal Medicine
- Member of the E- Schrödinger Society Austria

Membership of International Societies, Membership in International Societies:

- European Association of Dialysis and Transplantation
- International Society of Blood purification
- European Society of Artificial Organs
- International Society for Artificial Cells
- American Society of Artificial Internal Artificial Organs
- International Society for Apheresis

Presidencies of Int. Societies/Membership in International Boards:

- Council member of the "International Society of Artificial Cells and Immobilization Biotechnology"
- 2000 – 2002 President of the European Society for Artificial Organs
- Member of the Board of Governors of ESAO from 1994 – 2000 and from 2002 head of the ESAO-Working Group for Education
- Board Member of the Erwin Schrödinger Society Austria from 2007
- From 2009 vice-president of the Erwin Schrödinger Society
- 2009 Vice-President of the WAA (World Aphaeresis Association)

International Meetings organised:

- 1982 International Meeting "Kinetic Modelling in Artificial Organs" in Rostock
1987 International Meeting "Optimization of Bloodpurification" in Rostock
1988 International Meeting " Haemoperfusion, Adsorbents and Immobilized Reactants" in Rostock
1993 "International Course on Blood-Material Interaction", Krems, Austria, Okt. 16 – 23, 1993
1994 International Seminar "Highlights in Bioengineering" Krems, Austria, Okt. 14.-15. 2000
1996 International Seminar "New Aspects in Blood Material Interactions", Krems Austria, Nov. 29 – 30, 2000
1996 International Seminar "Endotoxins and other Cytokine Inducing Substances in Medicine", Krems, Austria, Dec. 1.-3. 2000
2000 International Seminar "Polymers in Medicine and Surgery" Krems, Austria, September 2000
2001 International Seminar "One Day on the Liver" in cooperation with the ESAO, Krems, Austria, 18. – 19. May 2001
2003 Therapeutic Apheresis in Rheumatic Diseases, Krems, Austria, November 28-30., 2003
- Member of Editorial Boards
 - Member of the Editorial Boards of Nephrology, Transplantation , Dialysis" (until 1992) and "Artificial Cells, Biomaterials, Artificial Organs" as well as Internat. Society for Artificial Organs, (ESAO)
- 2004 "New Technologies in Medicine" – Meeting together with Department of Mechanical Engineering Stanford University in Krems
2005 "New Technologies in Medicine" – Meeting together with Department of Mechanical Engineering Stanford University in Krems
2005 Organization of ESAO-Winterschool in Kitzbühel
2007 Organization of the ESAO-Winterschool in Gstaad/Switzerland
2007 Congress President of the XXXIV Congress of the ESAO, Krems, Austria
2008 Organization of the ESAO-Winterschool in Cortina de Ampezzo/Italy
2008 Organization of the "Kremser Zelltherapiegespräche" in Krems, Austria
2009 Organization of the ESAO-Winterschool in Krajnska Gora/Slowenia
2009 Organization of the International Congress "Nanotechnology in Medicine & Biology" Krems, Austria
2010 Organization of the ESAO-ASAIO Winterschool in Semmering / Austria
2010 Organization of the Intern. Congress "Bio Nano Med 2010" in Krems, Nov. 2010
2011 Organization of the ESAO-ASAIO Winterschool in Semmering / Austria, Jan. 2011

Scientific Awards

- 1984 Virchow Award of the former "GDR"
- 2000 Meilenstein-Erwin Pröll Zukunftspreis in der Kategorie Innovation
- 2009 Wissenschaftspreis des Landes Niederösterreich (Scientific Award of the Country of Lower Austria)
- 2010 Emil Bücherl Award der European Society for Artificial Organs

Membership in special commissions and special awards:

- From 1989-1992 Member of the EDTA-Selection Committee
- From 1981-1991 Regional Officer of the ISAO for Eastern Europe
- 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2003
Member of the International Programme Committee of the ISAO-World - Congresses
- 1985 Member of the Intern. Programme-Committee of the Intern. Symposium "Immune and Metabolic Aspects of Therapeutic Blood Purification", Trondheim, Norway
- 1985 Member of the Intern. Programme - Committee of ISAO-Meeting of Plasma-Exchange, Homburg/Saar, Germany
- 1988 Member of the Intern. Programme Committee of the Intern. Symposium "Vascular Access" Homburg/Saar, Germany
- from 1990 to 2003 Member of the Intern. Programme-Committee of the Congress of the European Society of Artificial Organs, Bologna, Italy
- 1989 International Programme Committee-Member of the International Symposium on Hemoperfusion, Adsorbents and Immobilized Reactants, Rom, Italy
- 1990-2011 at any ESAO-Congress
Member of the Scientific Board of the Annual Congress of the European Society for Artificial Organs
- 1991, 1994, 1997
Member of the Scientific Board of the International Conference "Polymers in Medicine and Surgery"
- 1995-1997
Member of the Scientific Board of the Research-Institute GKSS of the Helmholtz Society in Germany
- 1995-1997
Member of the Scientific Board of the Interdisciplinary Centre of Clinical Research "BIOMAT" of the RWTA Aachen
- 1995 Member of the Expert-Group of the German Ministry of Research and Education for the establishment of "Centres of Competence" in Germany
- 2003 Member of the Scientific Committee of the Austrian / Swiss / German Congress of the national Societies for Biomedical Technology
- 2005 Nomination to Congress President for the ESAO-Congress 2007 in Krems
- Since 2005
Member of the "Scientific Board" of the national Austrian Bridge-Project-Line as a delegate of the FWF
- 2008-2009
Member of an Expert-Board for the German Programme for "Innovation in Biomedical Technology" of the German Ministry of Education and Research
- 2008-2009
Member of the Expert-Commission for the EC programme-line "Innovative Technology in Regenerative Medicine"
- 2010-2011
Member of the Expert-Commission of the Country Baden-Württemberg for Innovative Technology in Health Care

Member of Editorial Boards

- International Journal for Artificial Organs
- Blood Purification
- Artificial Organs

Publications/Presentations

All together 270 publications, among them 116 in peer reviewed journals
Ca. 500 presentations mainly at international conferences

Selected Publications from 2000

L. Vaslaki, A. Karatson, P. Vörös, L. Major, F. Pethö, E. Ladanyi, Ch. Weber, R. Mitteregger and D. Falkenhagen

Can sterile and pyrogen-free on-line substitution fluid be routinely delivered? A multicentric study on the microbiological safety of on-line haemodiafiltration
Nephrol.Dial.Transplant, 15, 74-78, 2000

Ch. Weber, W. Groetsch, S. Schlotter, R. Mitteregger and D. Falkenhagen
Novel Online Infusate-Assisted Dialysis System Performs Microbiologically Safely
Artif. Organs, 24(5), 323-328, 2000

J.M. Wojcicki, A. Ciechanowska, W. Strobl, S. Sabalinska and D. Falkenhagen
Blood Purification by a membrane technique - a new method for the effective removal of low density lipoprotein cholesterol
Int. Med. Bio. Eng.: 10(2), 131-7, 2000

L. Vaslaki, C. Weber, R. Mitteregger and D. Falkenhagen
Cytokine Induction in Patients Undergoing Regular Online Hemodiafiltration Treatment
Artif. Organs 24 (7): 514-518, 2000

Q. Shi, R. Mitteregger., D. Falkenhagen, YT Yu
A novel configuration of bioartificial liver support system based on circulations microcarrier culture
Artif Cells Blood Substit Immobil Biotechnol. 2000 Jul; 28(4) 273-91

B. Canaud, V. Wizemann, F. Pizzarelli, R. Greenwood, G. Schultze, Ch. Weber and D. Falkenhagen
Cellular interleukin-1 receptor antagonist production in patients receiving on-line haemodiafiltration therapy
Nephrol Dial Transplant, 16, 2181-2187, 2001

V. Weber, S. Weigert, M. Sara, U. Sleytr and D. Falkenhagen
Development of Affinity Microparticles for Extracorporeal Blood Purification based on crystalline bacterial cell surface proteins
Ther. Apheresis; 5(5): 433-438; 2001

D. Falkenhagen, W. Strobl, J. Hartmann, A. Schrefl, I. Linsberger, K. Kellner, F. Aussenegg, A. Leitner
Patient Safety Technology for Microadsorbent Systems in Extracorporeal Blood Purification
Artif. Organs, 26 (2), 84-90; 2002

G. Reiter, M. Siam, D. Falkenhagen, W. Gollneritsch, D. Baurecht, U.P. Fringeli
Interaction of a Bacterial Endotoxin with Different Surfaces Investigated by in Situ Fourier Transform Infrared Attenuated Total Reflection Spectroscopy
Langmuir , 18, 5761-5771, 2002

Poschalko, T. Rohr, H. Gruber, A. Bianco, G. Guichard, J.P. Briand, V. Weber and D. Falkenhagen
A novel sucrose-based polymer support for solid-phase peptide synthesis and affinity chromatography

applications.

J. Am. Chem. Soc., 2003; 125, 13415-26

C. Völlenkle, S. Weigert, N. Ilk, E. Egelseer, V. Weber, F. Loth, D. Falkenhagen, U. B. Sleytr, M. Sára

Construction of a functional S-Layer Fusion Protein comprising an immunoglobulin G-binding domain for development of specific adsorbents for extracorporeal blood purification.

Appl. Environ. Microbiol. 2004, 70(3), 1514-1521.

V. Weber, I. Linsberger, E. Rossmannith, C. Weber, D. Falkenhagen

Pyrogen transfer across high- and low flux hemodialysis membranes

Artif. Organs 2004 28 (2): 210-217.

G. Reiter, N. Hassler, V. Weber, D. Falkenhagen, U.P. Fringeli

In situ FTIR ATR spectroscopic study of the interaction of immobilized human tumor necrosis factor alpha with a monoclonal antibody in aqueous environment

Biochim. Biophys. Acta., 1699 (2004), 253-261

M. Brandl, J. Hartmann, T. Posnicek, F. R. Aussenegg, A. Leitner and D. Falkenhagen:

Detection of Fluorescently Labeled Microparticles

Blood.Blood Purif ;23(3):181-189 , 2005

L.R. Vaslaki, K. Berta, L. Major, V. Weber, C. Weber, R. Wojke, J. Passlick-Deetjen, and D. Falkenhagen:

On-line hemodiafiltration does not induce inflammatory response in end-stage renal disease patients: results from a multicenter cross-over study.

Artif Org, 29(5):406-12 , 2005

J. Hartmann, C. Schildböck, M. Brandl and D. Falkenhagen:

Particle Leakage in Extracorporeal Blood Purification Systems Based on Microparticle Suspensions

Blood Purif 2005;23:282-286, 2005

V. Weber, I. Linsberger, M. Ettenauer, F. Loth, M. Höyhty and D. Falkenhagen

Development of specific adsorbents for human tumor necrosis factor-alpha: influence of antibody immobilization on performance and biocompatibility

Biomacromolecules. 2005 Jul-Aug; 6 (4): 1864-70

D. Falkenhagen, M. Brandl, J. Hartmann, KH Kellner, T. Posnicek, V. Weber

Fluidized Bed Adsorbent Systems for Extracorporeal Liver Support

Therapeutic Apheresis and Dialysis, 10 (2), 154-159, 2006

M. Brandl, J. Hartmann, D. Falkenhagen

New methods for hemoglobin detection in a microparticle-plasma suspension

Int. J. Artif. Organs, Vol. 29, No. 11, p. 1092-1100, 2006

Viktoria Weber, Jens Hartmann, Ingrid Linsberger, Dieter Falkenhagen

Efficient Adsorption of Tumor Necrosis Factor with an in vitro Set-Up of the Microspheres-Based Detoxification System

Blood Purif 2007, 25: 169-174, 2007

D. Schwanzer-Pfeiffer, R. Mitteregger, E. Rossmannith, D. Falkenhagen
Comparison of specific adsorbents for tumor necrosis factor α and therapeutic anti-tumor necrosis factor α antibodies: An in vitro sepsis model
Int. J. Artif. Organs, Vol. 29, No 12, p. 1140 – 1147, 2006

Karel Opatrny Jr., Pavlina Richtrova, Kamila Polanska, Jan Wirth, Frantisek Sefrna, Martin Brandl, D. Falkenhagen
Citrate Anticoagulation Control by Ionized Calcium Levels does not prevent hemostasis and complement activation during hemodialysis
Artif. Organs, 31(3), p. 200 -207, 2007

M. Ettenauer, T. Posnicek, M. Brandl, V. Weber, D. Falkenhagen
Magnetic fluorescent microparticles as markers for particle transfer in extracorporeal blood purification
Biomacromolecules. 2007 Dec; 8(12)

B.K. Meijers, V. Weber, B. Bammens, W. Dehaen, K. Verbeke, D. Falkenhagen, P. Evenepoel
Removal of the uremic retention solute p-cresol using fractionated plasma separation and adsorption
Artif. Organs, Vol. 32, no. 3, p. 214-219, 2008

V. Weber, I. Linsberger, M. Hauner, A. Leistner, D. Falkenhagen
Neutral resins for the adsorption of toxins related to liver failure: influence of pore size distribution on adsorption characteristics and biocompatibility.
Biomacromolecules. 2008 Apr; 9(4): 1322-8.

J. Hartmann, K. Strobl, D. Falkenhagen
Anticoagulation in combined membrane/adsorption systems
Prilozi. 2009 Dec; 29(2): 39-50

Martin Brandl, Michael Mayer, Jens Hartmann, Thomas Posnicek, Christian Fabian, D. Falkenhagen
Theoretical analysis of ferromagnetic microparticles in streaming liquid under the influence of external magnetic forces
J Magn Magn Mater, 322 (2010) pp. 2454-2464

Eifler R., Lind J., D. Falkenhagen, Weber V., Fischer M.B., Zeillinger R.
Enrichment of Circulating Tumor Cells from a Large Blood Volume: Proof of Concept.
Cytometry B Clin Cytom 2010, Oct. 15 (epub ahead of print)

Dagmar Schwanzer-Pfeiffer, Eva Roßmanith, Anita Schildberger, D. Falkenhagen
Characterization of SVEP1, KIAA, and SRPX2 in an in vitro cell culture model of endotoxemia
Cellular Immunology 263 (2010) 65-70

Schildberger A., Roßmanith E., Weber V., and D. Falkenhagen
Monitoring of endothelial cell activation in experimental sepsis with a two-step cell culture model
Innate Immunity, 16(5) (2010), 278-287

Weber V., Ettenauer M., Linsberger I., Loth F., Thümmeler K., Feldner A., Fischer S., D. Falkenhagen
Functionalization and Application of Cellulose Microparticles as Adsorbents for Extracorporeal Blood Purification

Invited Lectures selected from 2005

D. Falkenhagen

Nicht biologische Ersatzverfahren – Grundlagen und Unterschiede

Experten – Hearing „Extrakorporale Leberersatzverfahren“, organisiert durch die Fa. B. Braun Melsungen, 28.-29. Jänner 2005, Morschen, Germany

D. Falkenhagen

Clinical experience of endotoxin removal by the MARS and Prometheus device

Symposium “Artificial Organs and Organ Transplantation, 18. Februar 2005, Groningen, The Netherlands

D. Falkenhagen

Gegenwart und Zukunft der Leberersatztherapie

13. Wissenschaftliche Sitzung der Gesellschaft der Ärzte in der Steiermark zum Thema „Leberersatztherapie“, 28. April 2005, Graz, Austria

D. Falkenhagen

Modern technologies for pathogen removal in sepsis and septic shock

5th World Congress of the Intern. Society for Apheresis, 4.-7. Mai 2005, Rostock, Germany

D. Falkenhagen

Technologien zur Mediatoren- und Toxin.Elimination bei Sepsis und Leberversagen

Educational Session: 5th World Congress of the Intern. Society for Apheresis, 4. -7. Mai 2005, Rostock, Germany

D. Falkenhagen

The Krems –approach of an artificial (bio artificial) liver support

2nd World Congress on Regenerative Medicine

18. - 20. Mai 2005, Leipzig Germany

D. Falkenhagen, J. Hartmann, M. Brandl, T. Posnicek, C. Kendl, M. Ettenauer, F. Loth, V. Weber

Detection of ultra-small particles in flowing blood

2nd World Congress on Regenerative Medicine

18. -20. Mai 2005, Leipzig Germany

D. Falkenhagen, F. Loth, V. Weber, M. Sara, U. Sleytr

Micro- and Nanostructured Materials for extracorporeal blood purification

European Materials Research Society – Spring Meeting

E-MRS 2005, May 31 – June 3, 2005, Strassbourg, France

D. Falkenhagen

Prometheus System – a new standard for artificial liver support therapy

National Organ Transplantation Meeting, 26. Juli, 2005, Tripoli, Lybien

D. Falkenhagen

Prometheus System – a new standard for artificial liver support therapy

Meeting Benghazi, Benghazi Cardiac Center, 28. Juli 2005, Benghazi, Lybien

D. Falkenhagen

Nanostructured biomaterials for specific removal in blood purification systems
4th Annual Meeting of the European Tissue Engineering Society, Aug. 31. – Sept. 3rd, 2005,
München, Germany

D. Falkenhagen
Liver Meeting Therapy: What's new with extracorporeal circuits?
7th BANTAO-Congress, Sept. 7.-11. 2005; Ohrid, Mazedonien

D. Falkenhagen
New way's of specific adsorption for treatment of sepsis using extracorporeal blood purification
7th BANTAO Congress, 7. -11. September 2005, Ohrid, Mazedonien

D. Falkenhagen
Nanobiotechnology technologies for extracorporeal bloodpurification systems – a new
therapeutical approach in medicine
31st International Conference on Micro- and Nano- Engineering, 19.-22. September 2005, Vienna,
Austria

D. Falkenhagen
Further developments in sepsis devices
ESAO XXXII Congress & IFAO Congress, 6. Oktober 2005, Bologna, Italien

D. Falkenhagen
Citrate anticoagulation and complement activation
ESAO XXXII Congress & IFAO Congress, 6. Oktober 2005, Bologna, Italien

D. Falkenhagen
Therapeutic Apheresis in Septic Shock
15th Congress of the Interdisciplinary European Society for Haemapheresis and Haemotherapy
(ESFH) & 2nd National Congress of Haemapheresis, Oktober 2005, Antalya, Türkei

D. Falkenhagen
The role of Therapeutic Apheresis in Acute liver Failure
15th Congress of the Interdisciplinary European Society for Haemapheresis and Haemotherapy
(ESFH) & 2nd National Congress of Haemapheresis, Oktober 2005, Antalya, Türkei

D. Falkenhagen, M. Brandl, J. Hartmann, K. Hellevo, V. Weber
Das Multiorganversagen – welche Therapieoptionen gibt es für die extrakorporale Blutreinigung?
37. Jahrestagung der Österreichischen Gesellschaft für Gefäßchirurgie, Donau-Universität Krems
14. Oktober 2005; Krems, Austria

D. Falkenhagen
Bio / Artificial Liver Support or Replacement
ASAIO 52nd Annual Conference, 8. – 10. Juni 2006, Chicago, USA

D. Falkenhagen
Fluidized bed adsorbent systems for extracorporeal liver support
ESAO 2006 Meeting – June 21. – 24, 2006, Umea Schweden

D. Falkenhagen
New technologies of blood purification treatment
5th World Congress of Biomechanics, München 29. Juli – 4. August 2006

V. Weber, J. Hartmann, M. Ettenauer, M. Brandl, D. Falkenhagen
A new concept for artificial liver support: The microspheres based detoxification system (MDS
World Congress on Medical Physics and Biomedical Engineering, Seoul, Korea, (abstract), 27.
August – 1. September 2006
D. Falkenhagen
Polymers and Extracorporeal Blood Detoxification Systems
Polymerwerkstoffe 2006, Halle / Saale, 27. – 29. September 2006

D. Falkenhagen
Biomaterial development for adsorption technologies used in acute liver failure and multiorgan
failure-therapy
International Conference “Biomaterials in Regenerative Medicine”, Wien, 22. – 25. Oktober 2006

D. Falkenhagen
Molecular adsorption for endotoxin
International Congress on ESRD 2006, Chiang Mai, Thailand, Nov. 1. – 3. 2006

D. Falkenhagen
Liver supporting system
International Congress on ESRD 2006, Chiang Mai, Thailand, Nov. 1. – 3. 2006

D. Falkenhagen
New Technologies for Extracorporeal Blood Purification using Nano- and Microparticles in
Suspension and their potential applications in Acute Liver Failure and Sepsis
IBN Seminar Series, Institute of Bioengineering and Nanotechnology, Singapur, 6. November 2006

D. Falkenhagen
Future Developments of Blood Purification Technologies
26th Annual Congress Egyptian Society of Nephrology & Transplantation “NEPHRO – LUXOR
2007”, 13. -16. Februar 2007

D. Falkenhagen
Therapeutic Apheresis
26th Annual Congress Egyptian Society of Nephrology & Transplantation “NEPHRO – LUXOR
2007”, 13. – 16. Februar 2007

D. Falkenhagen
Mikro and Nanoparticles used for blood purification
Nano and Photonics, Mauterndorf, 14. – 16. März 2007

D. Falkenhagen
Cell-Apheresis – An important tool for cellular therapy and diagnostics
Nano-Biotechnology Workshop Danube University Krems, 20. April 2007

D. Falkenhagen
Artificial Liver Support Systems
Workshop “Implantable Sensors and Actuators”, TU Wien, 27. April 2007

D. Falkenhagen
Sepsis – new treatment possibilities using extracorporeal blood purification
17th Annual Assembly of IMAB and ISC International Symposium Infections and Cancer, Varna,
Bulgarien, 3. -6. Mai 2007

D. Falkenhagen
Nanostructures for diagnosis and treatment
Kongress der Türkischen Gesellschaft für Künstliche Organe, Istanbul, 15. – 17. Juni 2007

D. Falkenhagen
Coagulation, Anticoagulation and the failing liver
XXXIV. Conference of the European Society for Artificial Organs, 5. – 8. September 2007

D. Falkenhagen
Liver failure therapy through adsorption techniques
25th Annual Meeting ISBP 2007 Prague, 15. – 17. September 2007

D. Falkenhagen
Postgraduelle Ausbildung in der Biomedizin
Österreichische Gesellschaft für Biomedizinische Technik, Jahrestagung 2007
Krems, 19. September 2007

D. Falkenhagen
Sepsis therapy through adsorber systems
Celebrating the 40th Anniversary of the Macedonian Academy of Sciences and Arts “Artificial Organs Today : From in vitro assessment to human therapies”
Skopje, Mazedonien, 28. September 2007

D. Falkenhagen, V. Weber
Cellapheresis an interesting tool for diagnostics and therapy
8th International Nephrological Symposium “Metabolic changes in chronic renal failure”
Kosice, Slovak Republic, 16. Oktober 2007

D. Falkenhagen
Cell Apheresis – present stage and future developments
3rd World Congress on Regenerative Medicine, Leipzig, October 18-20, 2007

D. Falkenhagen
Micro- and nanoadsorbents in suspension: The future potential for blood purification technologies
JSAO The 45th Meeting of the Japanese Society for Artificial Organs, 28. -31. Oktober 2007

D. Falkenhagen
Artificial Liver Support: Clinical Experience
2nd Corso di Nefrologia Dialisi e Trapianto, Rom, 23. – 24.11.2007

D. Falkenhagen
Entwicklung neuer Adsorptionstechnologien für die extrakorporale Therapie des Leberversagens bzw. der Sepsis
Helmholtz – Institut / RWTH Aachen, 17. Jänner 2008

D. Falkenhagen
Artificial Liver
PHS 2008 Consultation Workshop, Holiday Club Tampere Spa, Tampere, Finnland, 30. -31. Jänner 2008

D. Falkenhagen
Extracorporeal blood purification in Sepsis

ESAO Winter School, Cortina d'Ámprezzo, Italien, 6.-8. März 2008

D. Falkenhagen

Polymers as important biomaterials in clinical praxis

9th Austrian Polymer Meeting, Graz, 26. - 28. März 2008

D. Falkenhagen

Forward to an efficient and biocompatible artificial Liver Support system

Interdisciplinary Seminars in Nephrology and Organ Substitution, Bologna, 4.-5. April 2008

D. Falkenhagen

New Horizons of Adsorption Therapies Based on Micro- and Nanoparticles

Biomed 2008, 14th Biomedical Science & Technology Symposium & International Workshop on

Networking / platforming in Biomedical Technologies Focus on Nanomedicine , Mugla – Turkey,

May 3-7, 2008

D. Falkenhagen

Trends in Blood Purification Therapies

6th International Life Science Meeting IMC University of Applied Sciences Krems, 7. - 9. Mai 2008

D. Falkenhagen

Endotoxins – how to manage them by adsorption procedures ?

Joint Scientific Forum , 18th Annual Assembly of IMAB and 3rd National Congress of Immunology,

Varna Bulgarien, 8. – 11. Mai 2008

D. Falkenhagen

Presentation of the Biotech Area Krems - a Life Science Park of a small city – strategies and reality

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