



Curriculum Vitae

Personal Information

Name: Michael Oellerich, Prof. Dr.med. Dr.h.c.
Date and place of birth: July 15, 1944, Heidelberg, Germany
Marital Status: Married, three children

Academic Degrees

Dr.med.(MD), University Heidelberg, 1970
Habilitation, Medizinische Hochschule Hannover, 1978
Dr.h.c. (BNAM Sofia), 1998

License and Board Certifications

License to practise medicine 1972
Clinical Chemist (Klinischer Chemiker) 1978
Chemical Pathologist (Facharzt für Laboratoriumsmedizin) 1979

Fellowships

Honorary Fellowship of the Faculty of Pathology of the Royal College of Physicians of Ireland (FFPath (RCPI)), 2006

Fellowship of the Royal College of Pathologists (FRCPath), 2006

Fellowship of the AACC Academy (FAACC) of the American Association for Clinical Chemistry, 2012

Fellowship of the Academy of Medicine of Malaysia (FAMM), 2014

Military

1964-1965 Military service Marburg / Munich

1980-2004 Major (reserve), medical corps, German Federal Armed Forces

Professional Training

1971-1972 Internship University Heidelberg

1972-1973 Resident Institute for Clinical Chemistry,
Medizinische Hochschule Hannover

1973-1975 Resident Dept. Internal Medicine, University
Düsseldorf

1975-1979 Resident Institute for Clinical Chemistry,
Medizinische Hochschule Hannover

1979-1982 Assistant medical director, Institute for Clinical
Chemistry, Medizinische Hochschule Hannover

Academic Appointments

1982-1991 Associate Professor of Clinical Chemistry,
Deputy Chairman of Institute for Clinical
Chemistry,
Medizinische Hochschule Hannover

1991-2012 Professor of Clinical Chemistry,
Director of Dept. of Clinical Chemistry and the
Central Laboratory,
University Medicine, George-August-University
Göttingen

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| 1996-1998 | Dean Faculty of Medicine, University Medicine, George-August-University Göttingen |
| 1998-1999 | Vice Dean Faculty of Medicine, University Medicine, George-August-University Göttingen |
| 1999-2004 | Deputy of Chief Executive for Research and Teaching on the Executive Board for the Medical Center and Faculty of Medicine, University Medicine, George-August-University Göttingen |
| 2012-2017 | Lower Saxony Distinguished Professor, Department of Clinical Pharmacology, University Medicine, George-August-University Göttingen |
| 2017- | Distinguished Research Professor, Department of Clinical Pharmacology, University Medicine, George-August-University Göttingen |

Awards

Ludolf-Krehl Award, S.W. German Soc. for Internal Medicine 1971.

IATDMCT Award in recognition of exceptional contributions to the implementation of the goals of the society, Cairns 1999.

IATDMCT Charles Pippenger Award for Outstanding Contributions to Therapeutic Drug Monitoring, Washington 2001.

Canadian Society of Clinical Chemists (CSCC) Travelling Lectureship Award 2002.

Professor-Landbeck-Award 2004, Society for Thrombosis and Hemostasis Research, Hamburg 2004.

Perth PathCentre Visiting Lectureship, Western Australia, 2004.

Medal of Honor in recognition of his role in increasing membership, communication, organization and the global recognition of WASPaLM throughout the world as president of the World Association of Societies of Pathology and Laboratory Medicine, Las Vegas, 2011.

WASPaLM Gold Headed Cane, Quebec City, 2013.

Sign of Honor, Professor Jordan Todoroff, for outstanding professional and scientific contributions for the development of the Bulgarian clinical laboratory, Bulgarian Society of Clinical Laboratory (BSCL), Sofia, 2019

John F. McCreary Prize for Interprofessional Teamwork, Genome Canada Transplant Consortium, University of British Columbia, UBC Health, Vancouver (Canada) 2022.

Claus Roxin Award for Outstanding Contributions to International Liberal Academic Exchange, Munich 2023.

Professional Society Memberships and Activities

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| 1984-1989 | DFG Senate Commission for Clinical Toxicol. Analysis |
| 1984-1986 | Executive Board German Society for Clinical Chemistry |
| 1995 | Chairman, 4th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology, Vienna |
| 1995-1997 | President-Elect, International Association of Therapeutic Drug Monitoring and Clinical Toxicology |
| 1998 | Member of the Bulgarian National Academy of Medicine, Sofia, 1998 |
| 1997-1999 | President, International Association of Therapeutic Drug Monitoring and Clinical Toxicology |
| 1999-2001 | Past President, International Association of Therapeutic Drug Monitoring and Clinical Toxicology |
| 1999-2000 | President-Elect, German Association for Laboratory Medicine |
| 2001-2002 | President, German Association for Laboratory Medicine |
| 2002 | Chairman, Congress of Laboratory Medicine, Düsseldorf |
| 2002-2005 | Director-at-large, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |

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| 2003-2005 | President, German United Association for Clinical Chemistry and Laboratory Medicine |
| 2005-2007 | Secretary-Treasurer, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |
| 2007-2009 | President-Elect, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |
| 2009-2011 | President, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |
| 2011-2013 | Past-President, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |
| 2012-2017 | Trustee, World Pathology Foundation (WPF) |
| 2013-2017 | Director-Europe, World Association of Societies of Pathology and Laboratory Medicine (WASPaLM) |
| 2014-2015 | Organizing Committee, 28 th World Congress of WASPaLM in Cancun, Mexico |
| 2016-2017 | Organizing Committee, 29 th World Congress of WASPaLM in Kyoto, Japan |
| 2016- | Executive Secretary, International Society of Enzymology (ISE) |
| 2017-2021 | Nomination Committee of the European Society of Pharmacogenomics and Personalized Therapy (ESPT) |
| 2017-2023 | Immunosuppressive drugs committee of IATDMCT |
| 2018-2020 | Working Group “Cell free DNA and related circulating biomarkers (WG-cfDNA)” of the IFCC |
| 2018-2023 | Committee “Value Proposition for Laboratory Medicine (C-VPLM)” of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) |

Professional Society Memberships

German United Association for Clinical Chemistry and Laboratory Medicine
Association for Diagnostics and Laboratory Medicine (formerly AACC)

North American Chinese Clinical Chemists Association (NACCCA)

Honorary Member of the Romanian Society of Laboratory Medicine, 2007

European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Academy

Honorary Member of the Bulgarian Academy of Sciences and Arts (BASA), 2012

Honorary Member of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT), 2013

Editorships

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| 1996-2007 | Associate Editor <i>Clinical Biochemistry</i> |
| 2003-2018 | Editor-in-Chief <i>Therapeutic Drug Monitoring</i> |
| 2007-2013 | Associate Editor <i>Clinical Chemistry</i> |
| 2012 | Associate Editor Tietz textbook of clinical chemistry and molecular diagnostics. 5 th ed., St. Louis: Elsevier Saunders, 2012 |
| 2012 | Guest Editor <i>Clinica Chimica Acta</i> , 413/1309-1418 (2012) Special Issue: Peripheral biomarkers as a complementary tool to TDM for individualizing immunosuppression in transplantation medicine |
| 2018- | Associate Editor <i>Therapeutic Drug Monitoring</i> |
| 2020 | Guest Editor <i>Journal of Applied Laboratory Medicine</i> Special Collection: Value of laboratory testing and the value proposition |

Journal Editorial Boards

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| 1985-1988 | Journal of Clinical Chemistry and Clinical Biochemistry |
| 1987-2002 | Therapeutic Drug Monitoring |
| 2002-2007 | Clinical Chemistry |

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| 2003-2007 | Clinical Chemistry and Laboratory Medicine |
| 2007-2008 | Clinical Laboratory |
| 2007- | Journal of Molecular and Clinical Pathology |
| 2009- | Folia Medica |
| 2009- | Turkish Journal of Pediatric Biochemistry |
| 2010- | Indian Journal of Clinical Biochemistry |
| 2010- | Italian Journal of Laboratory Medicine (Advisory Board) |
| 2010- | Brazilian Journal of Pathology and Laboratory Medicine (Advisory Board) |
| 2014-2016 | Clinical Chemistry |
| 2015- | Clinical Biochemistry |

Service on University Committees and Boards

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| 1993-2012 | Council Faculty of Medicine |
| 1993-1998 | "Habilitation" Committee |
| 1993-1998 | Budget Committee |
| 2001-2012 | Instrument Investment Committee |
| 1996-1998 | Delegate Sonderforschungsbereich 500, "Maligne Transformation und Tumorprogression" |
| 1999-2010 | Steering Committee of Eurolife – network of European universities in life sciences |
| 1999-2012 | Council Center of Internal Medicine |
| 1999-2003 | Senate George-August-University (deputy member) |
| 1999-2004 | Committee for allocation of laboratory space |
| 1999-2004 | Research Committee, George-August-University, Göttingen |
| 2000-2012 | Laboratory Committee |
| 2008-2012 | Member Comprehensive Cancer Center Göttingen (G-CCC) |
| 2010 | External Examiner for the Second Professional Examination 2009/2010, Faculty of Medicine, The Chinese University of Hong Kong |

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| 2013 - 2021 | Transplantation Advisory Board, Chronix Biomedical Inc., San Jose, USA |
| 2013 | Doctoral thesis examiner, Charité – University Medicine Berlin |
| 2014-2017 | Board of Labs Are Vital (2016: Chair of Board) |
| 2015 | External Examiner and Chair for 8 PhD candidates (“Dottore di Ricerca”), Università degli Studi di Milano, Italy |
| 2017- 2023 | Chief Research Officer (CRO), Liquid Biopsy Center GmbH, Göttingen |
| 2021- | Scientific Advisor, Oncocyte, Irvine, USA |

Research Activities

Specific areas of research currently encompass therapeutic drug monitoring, pharmacokinetics, pharmacogenetics and pharmacodynamics with particular focus on molecular biomarkers to achieve personalized immunosuppression in transplantation (e.g. graft-derived circulating cell-free DNA) as well as genotype-directed cancer care using cfDNA. Further topics included proteomics and analytical techniques (e.g. LC-M/MS). Research recently published in the *American Journal of Transplantation* (Oellerich M et al, Absolute quantification of donor-derived cell-free DNA as a marker of rejection and graft injury in kidney transplantation: Results from a prospective observational study) was among the top 10% most downloaded papers in 2019.

Presentations and Publications

Presentations and publications include:

- 575 Invited lectures, plenary addresses, visiting professorships and presentations (including virtual meetings)
(United States - USA, Argentina, Australia, Austria, Belgium, Bulgaria, Canada, China (incl. Hong Kong), Chile, Czech Republic, Denmark, Egypt, Finland, France, Germany, Greece, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Iran, Japan, Korea, Lithuania, Malaysia, Mexico, Netherlands, Northern Cyprus, Poland, Portugal, Romania, Russia, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom, Vietnam).
- 448 Scientific manuscripts including book chapters and reviews
- 310 Published abstracts

- 12 Books edited
- 35 Editorials, letters to the editor, Q & A
- 8 Gene bank entries
- 1 Proteome entry
- 4 Committee recommendations
- 10 Newsletters

Details of most recent research publications are available on www.ndsprof.med.uni-goettingen.de.

Inventions

1. Hypoglycemic active drug, 2-phenylethylhydrazono-propionic acid (P 26 43 303. 4;27 26210; Deutsches Patentamt, 1985)
2. MEGX liver function test

Program project grants

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| 1993 – 1995 | SFB 330 Organprotektion Teilprojekt D8 Organprotektion: Lipidperoxidation und Cytochrom P-450 Aktivität in der Leber im Ischämieverlauf und nach Reperfusion Oellerich / Wieland /Schuff-Werner |
| 1998 – 2000 | SFB 402 Molekulare und Zelluläre Hepaterogastroenterologie Teilprojekt D 1 Mechanismen des Konservierungs- / Reperfusionsschadens und dessen Bedeutung für den Funktionserhalt von Leber und Dünndarm des Schweins Schütz / Oellerich / Wieland / Braun / Ringe |
| 1999 – 2001 | SFB 500 Maligne Transformation und Tumorprogression Teilprojekt B1 |

- Bedeutung der induzierbaren NO-Synthese (iNOS) für die TNF- α -induzierte Apoptose von epithelialen Tumorzellen
Binder / Oellerich
- 2001 – 2003 QLRI-CT-2002-02758-EUPEAH
Glucocorticoid Hormone Programming in Early Life and its Impact on Adult Health (EUPEAH)
Oellerich / Armstrong
- 2007 – 2012 BMBF Projekt Indien IND 06/040
Studies on Aspergillus fumigatus proteome for identification of novel unknown immunogens
Oellerich / Asif / Reichard
Sharma / Bhadoria / Katyal / Singh / Kumar
- 2012 – 2015 BMBF Projekt 01ES1102
Biomarker assisted personalized immunosuppression following liver transplantation
Brockmüller / Oellerich / Nashan / Pratschke / Friede / Kollmar / Schemmer
- 2015 – 2018 KMU-Innovativ: Biotechnologie – BioChance, Nr. PtJ 31P9146 (BIO-624-004)
Validierung eines GcfDNA-basierten diagnostischen Tests zur frühzeitigen Erkennung von Organschädigungen nach Nierentransplantation
Schütz / Oellerich / Friede / Wieland
- 2018 – 2022 Genome Canada large-scale applied research project (LSARP): Precision Medicine CanPREVENT AMR: Applying Precision Medicine Technologies in Canada to Prevent Antibody Mediated Rejection and Premature Kidney Transplant Loss (273AMR)
Keown / Sapir-Pichhadze / Caulfield / Bryan
Oellerich (co-investigator)

- 2019- Cell-free donor-DNA monitored personalized immunosuppression after liver transplantation – a prospective observation single center study.
Medizinische Hochschule Hannover, Abteilung Gastroenterologie, Hepatologie und Endokrinologie
Tauber / Oellerich / Schütz / Beck
- 2021- 2023 Donor-derived cell-free DNA for early diagnosis of antibody-mediated rejection (cfDNA-DSA) (NCT 04897438). (Pilotstudie zur prospektiven Evaluation zellfreier Transplant_DNA in der Diagnostik von Patient*innen mit donorspezifischen HLA_Antikörpern nach Nierentransplantation).
Charite – Universitätsmedizin Berlin, Abteilung Nephrologie und Intensivmedizin
Budde / Oellerich / Osmanodja / Beck / Bornemann-Kolatzki / Schütz

<http://www.ndsprof.med.uni-goettingen.de>

28.11.2023