

Stefan Eichmüller, PhD

Apl. Professor, Head of the Research Group GMP & T Cell Therapy, Qualified Person
German Cancer Research Center (DKFZ)

Postal Address

DKFZ, D210, Im Neuenheimer Feld 280, D-69120 Heidelberg, Germany

Curriculum Vitae

Date and Place of Birth August 11th, 1960 in Bayreuth, Bavaria, Germany

Education: 1967-1971 Primary School Lichtenfels
 1971-1980 Meranier Gymnasium Lichtenfels

Civil Service: 1980-1982 Civil Service in Erlangen

Professional Qualifications

- Since 2015 **Head of Research Group GMP & T Cell Therapy**, comprising the GMP Unit for Cellular Therapy and a preclinical research group working on T cell therapy and the role of miRNAs
- Since 2012 Heading a **peptide facility**: production and QC of synthetic peptides for research and clinical application
- 2011-2015 **Group leader** at the Department for Translational Immunology (head: Prof. Beckhove)
- Since 2011 **“Head and Qualified Person”** of the GMP Unit for Cellular Therapy
- 2009-2010 **Acting head** of the Clinical Cooperation Unit for Dermato-Oncology of the DKFZ and the Dept. of Dermatology, Medical Faculty Mannheim at the University of Heidelberg
- 2007-2011 **“Assistant Qualified Person”** at the GMP facilities of the DKFZ
- 2006 **Adjunct professor** at the University of Heidelberg
- Since 2005 Project manager for a **gene technical laboratory**
- 2004 **Habilitation** at the Medical Faculty Mannheim at the University of Heidelberg (assistant professorship) in Experimental Dermatology
- Since 1999 **“Head of Quality Control”** at the GMP facilities of the DKFZ
- 1997-2009 **Group leader** at the Clinical Cooperation Unit for Dermato-Oncology of the German Cancer Research Center (DKFZ) and the Dept. of Dermatology, Medical Faculty Mannheim at the University of Heidelberg
- 1994-1997 **Research fellow** at the University Dept. Dermatology of the Virchow-Clinics, Humboldt University, Berlin
- 1994 **PhD** at the Institute for Neurobiology (Prof. Menzel), Faculty for Biology, Free University Berlin (magna cum laude)
- 1991 Internship at the "Marine Biological Laboratory" in Woods Hole (MA, USA)
- 1989 Diploma in Biology
- 1982 – 1989 Studying biology at the Free University Berlin

Activities in the Research System

Committee involvement

Member of the task force “Development of the national strategy for gene- and cellbased therapies”, Berlin Institute of Health at Charite (BIH)

Institutional responsibilities

2019	Ombuds person of the DKFZ
2015 - 2019	Member of the Ombuds Committee for the Inspection of Scientific Misconduct
2010 - 2018	Member of Data Monitoring Committee for a clinical trial
2009 - 2015	Elected member of the Scientific Council (Wissenschaftlicher Rat)
2007 - 2009	Member of the committee for approval of purchasing large scale equipment
2008 - 2022	Member of the committee on core facilities
2002 - 2010	Radiation safety officer

Leadership skills

I am leading an own research group since 1997 with varying number of members (7-18). From 2009 to 2010 I acted as interim co-head of the Clinical Cooperation Unit for Dermato-Oncology (around 25 members including postdocs, students, technicians, physicians and group leaders).

Presently I am heading a *Research group* (1 postdoc, 2 PhD students, 1 technician, 1 master students), a *GMP team* (2 postdocs, 4 technicians) and a peptide laboratory (1 postdoc, 4 technicians and 1 consultant).

Certificates & trainings in GMP related issues (in German)

GMP Basistraining; Fortbildung Herstellungsleiter, Kontrolleiter, Vertriebsleiter
Herstellung von SOPs; Lieferantenqualifizierung und Outsourcing; Gerätequalifizierung;
Hygiene; GMP-Trends im Labor; Verantwortungsverbund im Arzneimittelrecht: Sachkundige Person, Leitung der Herstellung sowie Qualitätskontrolle

Memberships

AACR

Arbeitsgemeinschaft Dermatologische Forschung (ADF)

Arbeitsgemeinschaft Dermatologische Onkologie (ADO)

Association for Cancer Immunotherapy (CIMT)

Deutsche Gesellschaft für Immunologie e.V. (DGfI)

European Association for Cancer Research (EACR)

European Association of Dermato-Oncology (EADO)

European Society of Cancer Immunology and Immunotherapy (ESCI)

Awards and Prizes

*Cancer Research Institute (Elaine R. Shepard Memorial **Investigator Award** from the Cancer Research Institute, New York, USA (2001)*

Multiple poster prizes

Patents

PCT/EP2024/085547 (pending)

PCT/EP2016/082768 (WO2017/121622)

DPA 19949595.5; PCT/DE00/03628; WO0127255; US 7,314,922 B1

PCT/DE01/04229; WO0238803 A2 [discontinued]

Grant support

GMP activities are funded through applications of cooperation partners at the Dietmar Hopp Stiftung (main applicant Prof. Beckhove; trial terminated) and NCT 3.0

2024-2026 Dietmar-Hopp Foundation

2022-2024 DKFZ-Hector Seed-Funding-Program

2022-2024 José Carreras Foundation

2021-2023 Flagship Initiative Engineering Molecular Systems

2020-2023 German Cancer Aid (Deutsche Krebshilfe)

2019-2024 NCT 3.0: Cellular Immunotherapy, sub-project

2012-2018 DKTK: Cellular therapy under GMP conditions

2014-2016 Granted joint project with Bayer Healthcare

2011-2014 German Cancer Aid (Deutsche Krebshilfe)

2010-2013 Interdisciplinary research program of the NCT

2008-2010 Mannheim/Heidelberg Tumor Center

2005-2007 Industrial support

2002-2004 Mannheim/Heidelberg Tumor Center

2001-2005 Investigator Award from the Cancer Research Institute, New York, USA

2001-2002 Faculty for Clinical Medicine Mannheim

1999-2004 German Research Foundation (DFG)

Teaching

Lectures, seminars and practical courses within the Medical Faculty of Mannheim, the PhD program of the DKFZ, and the Major Cancer Biology of the Bioscience Faculty of the University of Heidelberg and the DKFZ; lectures and seminars on good scientific practice;

Since 2000 direct supervision of 16 PhDs, 10 medical theses, 24 diploma/master theses, and 1 Bachelor thesis, all completed successfully and with high grades; co-supervisor and reviewer of numerous additional theses.

Invited talks in the last 5 years

Berlin (Mar 2018): ITOC5; presentation: "Tumor antigen-specific T cell epitopes – identification and clinical application"

Shanghai (Dec 2018): Fudan Zhongshan Summit Forum on Clinical Applications of Liquid Biopsy; presentation: "miRNAs in solid tumors can modulate tumor cell invasion and recognition by immune cells"

Heidelberg (Jan 2019): Planspiel Gentherapie, Leopoldina und WiD an der VHS; Vortrag und Betreuung Planspiel; Vortrag: "Mit Gentherapie gegen Krebs kämpfen?"

Tübingen (Juni 2019): Einladung zum Retreat der Abteilung Rammensee; Gast-Vortrag: "The role of miRNAs in anti-tumor immune responses"

Vortrag für Rechtsanwälte der Helmholtz Gesellschaft; am DKFZ; Vortrag: "Zelluläre Therapien gegen Krebs"

Ulm (Jan. 2020): Einladung der Blutbank; Vortrag: "Zelluläre Therapie – GMP Aspekte"

Ludwigshafen (June 2020): invited by Abbvie; presentation: "Cell-based therapy in a non-profit, decentralized setting using GMP"

Mainz (May 2022): CIMT meeting; "Radioimmunotherapy with carbon ions and CTLA4-blockade improves growth control of local and distant tumors in a preclinical mouse model"

Chile (Nov. 2022): Workshop (Pontificia Universidad Católica Santiago de Chile, Facultad de Física); 1st presentation: "CAR T cells: State of the art and challenges"; 2nd presentation: "Manufacturing GMP compatible CAR-T cells"

Paris (Sept. 2023): Immunorad; "Radiotherapy with carbon ions plus CTLA4 blockade elicits therapeutic immune responses in a murine tumor model"

Xiamen (Nov 2023): The 2nd Biotherapy Innovation Symposium of Zhongshan Hospital, Fudan University; presentation "Advanced Therapy Medicinal Products (ATMPs): chances and challenges"

Reviews and expertise

a) Associate Editor

Frontiers in Immunology and Frontiers in Oncology: Section "Cancer Immunity and Immunotherapy"

Topic Editor for two Research Topics: "Personalized Immunotherapy: Advancing processes to extend patient collectives" and "Community Series in Personalized Immunotherapy: Advancing Processes to Extend Patient Collectives, Volume II" (Frontiers in Immunology)

b) Editorial advisory board member

Ageing and Cancer Research & Treatment, Cells, Current Medicinal Chemistry, Frontiers in Immunology, Open Medical Journal, The Open Dermatology Journal, Applied Scientific Reports, Journal of Biochemistry and Molecular Biology Research.

c) Reviewer for Journals

Anti-Cancer Agents in Medicinal Chemistry, Applied Scientific Reports, Archives of Biochemistry and Biophysics, Biochemical Pharmacology, Biodrugs, Blood, BMC Biotechnology, BMC Cancer, BMC Clinical Pathology, British Journal of Cancer, British Journal of Dermatology, Cancer Immunology Immunotherapy, Cancer Letters, Cancer Research, Cellular Physiology and Biochemistry, Clinical Ophthalmology, Clinical Science, Current Drug Targets, Current Medicinal Chemistry, Cytotherapy, Experimental Dermatology, European Journal of Cancer, European Journal of Immunology, Genes Chromosomes & Cancer, Haematologica/The Hematology Journal, International Journal of Cancer, Journal of Histochemistry and Cytochemistry, Journal of Immunological Methods, Journal of Investigative Dermatology, Journal of Pathology, JNCI, Melanoma Research, Naunyn-Schmiedeberg, Pigment Cell & Melanoma Research, Archives of Pharmacology, Pancreatology, Planta Medica, PlosOne, PlosPathogens, PNAS, Proteomics - Clinical Applications, Scientific Reports, The Open Dermatology Journal, Tissue Antigens.

d) Reviewer for Scientific Foundations (evaluation of grant applications)

DFG Deutsche Forschungsgemeinschaft (German Research Association), Deutsche Krebshilfe (German Cancer Aid), European Science Foundation (ESF), Medical Research Council UK, Else-Kröner-Fresenius Stiftung, Schering Stiftung, Swiss Cancer League, Wilhelm-Sander Foundation, Intramural Program of the German Cancer Research Center.