

CURRICULUM VITAE

Update of January 25, 2020

Personal Information

Name in Full Robert Gieseler-von der Crone, MSc, PhD
Date of Birth December 25, 1958
Place of Birth Hameln, Lower Saxony, Germany
Citizenship German
US Visa Status Renewable Type R, Class 01 Visa
Marital Status Married to Ms. Kirsten von der Crone, MA
Children Twins boys / DOB: September 13, 2011

Contact

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Altenhagen 1
58791 Werdohl / Germany

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Professional Background

AUGUSTUS BioTarget Inc.; Myrtle Beach, SC, USA; Founder & Dir.: M.J. SCOLARO, MD
Internet presence: <http://augustusbiotarget.com/>
01/2015 – Present **Consultant** – targeted drug delivery: Alzheimer's disease & pancreatic carcinoma

Rodos Biotarget GmbH; Hannover, Germany
Internet presence: <http://biotargeting.eu/>
10/2008 – Present **Co-Founder / Managing Partner / CSO** – targeted nanocarriers for drug delivery:
1. Infectious diseases (viral: HIV-1, HBV, HCV, HCMV, IAV, Ebola virus / bacterial: *Mycobacterium tuberculosis*, *Legionella pneumophila*) / 2. Chronic inflammatory autoimmune diseases (psoriasis, allergic asthma)

Third-Party Funding ZIM (Germany; twice), ERDF (Europe), BMBF (Germany), MWAE (Brandenburg)
(for detail, see below under »Funding«)

Key Responsibilities

- General management tasks
- Directing and managing the company's R&D activities
- Initiating and coordinating scientific collaborations with academia and industry
- Initiating, commissioning, and supervising mandates for CROs and CDMOs
- Drafting patent applications, supervising the patenting processes, and managing the company's patent portfolio
- Drafting and pursuing applications for national and international third-party grants
- Approaching investors for realizing business financing rounds (joint effort w/ CEO)

University Hospital, Essen, Div. of Gastroenterology and Hepatology;
Essen, Germany; Head: G. GERKEN, MD / Study Group: A. CANBAY, MD
01/2009 – 12/2012 **Associate Scientist** – acute and chronic liver diseases
Teaching Responsibilities

- Lectured and trained MD students in infection immunology
- Trained and co-supervised two PhD, one MSc, and several guest students

University Hospital, Essen, Div. of Gastroenterology and Hepatology;
Essen, Germany; Head: G. GERKEN, MD / Study Group: A. CANBAY, MD
03/2008 – 12/2008 **Research Coordinator** – acute and chronic liver diseases
Teaching Responsibilities

- Lectured and trained MD students in infection immunology
- Trained and co-supervised three PhD students and several guest students

- 06/2005 – 03/2008 LETI Pharma GmbH; Witten, Germany; Managing Dir.: B.G. RENNER, MSc, PhD
R&D Management Associate – allergic and atopic diseases
(interfacing with the Divisions of Regulatory Affairs, Marketing and MD Training)
- 10/2004 – 11/2006 BioTarget Research Group, LP; Alta Loma, CA, USA
Limited Partner – nanocarrier systems for therapeutic cell targeting
- 12/2001 – 12/2007 University of Florida, College of Pharmacy, Dept. of Pharmaceutics;
Gainesville, FL, USA; Head: N. BODOR, PharmD
Adjunct Professor – vaccinology
- 08/2001 – 06/2005 Third-Party Funding
LTBH Medical Research Institute ¹, Laboratories of Immunology, Virology
and Molecular Biology; Beverly Hills, CA, USA; Med. Dir.: M.J. SCOLARO, MD
Chief Scientist & Board Member – HIV/AIDS, cancer, lymphoma, and leukemia
LTBH Medical Research Foundation, Buddy Taub Foundation, Stuart Foundation, John
Lee Fund of the Tides Foundation (all USA) (for detail, see below under »Funding«)
- 04/1998 – 06/2001 University Hospital of Essen; Essen, Germany
Dept. of Endocrinology; Med. Dir.: K. MANN, MD
Director of Research – GRAVES´ disease and thyroid-associated ophthalmopathy
Research Consultant – medullary C-cell carcinoma
- 09/1998 – 6/2001 Dept. of Clinical Chemistry and Laboratory Diagnostics; Dir.: K. MANN, MD
Research Scientist & Board Member – reference lab analyses
School for Medical Laboratory Technicians; Med. Dir.: K. MANN, MD
- 01/1999 – 09/2000 **Academic Teacher** – endocrinology and clinical chemistry
Teaching Responsibilities
 - Lectured and trained MD students in clinical chemistry
 - Trained and co-supervised four MD and PhD students and 30 laboratory staff
- Examiner Responsibilities
 - Examined the subject of clinical chemistry
- Other
 - Co-organized Dept. of Endocrinology’s representation at “Essen Health Fair 1999”
- 07/1995 – 03/1998 Georg-August University, University Hospital Göttingen, Dept. of Immunology;
Göttingen, Germany; Head: O. GÖTZE, MD / Dir.: J.H. PETERS, MD
Senior Scientist – antigen-presenting cells in chronic inflammatory bowel diseases
DCCV (Germany) (for detail, see below under »Funding«)
- 01/1995 – 03/1998 **Senior Scientist** – characterization and immunomodulation of dendritic cells
- 06/1994 – 12/1996 **Research Scientist** – inhibition of nitric oxide synthesis in kidney allografting
- 01/1993 – 12/1994 **Senior Scientist** – differentiation of human LANGERHANS cells *in vitro*
- 04/1991 – 12/1995 **Deputy Director** – new approaches for enabling allograft acceptance
Third-Party Funding
DFG: SFB 330 / D9 (Germany) (for detail, see below under »Funding«)
- Teaching Responsibilities
 - Lectured immunology to MSc, PhD, and MD students
 - Trained MSc, PhD, and MD students in practical immunology
 - Trained and supervised five PhD and MD students and three laboratory staff
- Examiner Responsibilities
 - Co-examined the subject of immunology
- 06/1992 – 03/1993 Merck Frosst Ctr. for Therapeutic Research; Pointe Claire-Dorval, Quebec, Canada;
Res. Information Coordinator: Ms. S. LONGPRÉ
Research Scientist – commissioned work on a novel inhibitor of leukotriene synthesis
- 1989 – 1990 St. Vincent Medical Center, L.A. Oncologic Institute; Dir.: M.J. SCOLARO, MD &
University of Southern California, Dept. of Pathology; Head: W.J. MARTIN, MD, PhD
Los Angeles, CA, USA
Post-Doc – molecular-biological inhibition of HIV-1 propagation
Third-Party Funding
Los Angeles Oncologic Institute (USA) (for detail, see below under »Funding«)

¹ A 501(c)(3) nonprofit foundation for medical research.

09/1987 – 04/1991	<u>Georg-August University, University Hospital Göttingen, Dept. of Immunology; Göttingen, Germany; Head: O. GÖTZE, MD / Dir.: J.H. PETERS, MD</u>
01/1986 – 06/1987	PhD Student (for detail, see below under »University Education«)
<u>Third-Party Funding</u>	MSc Student (for detail, see below under »University Education«) DFG: SFB 263 / B5 (Germany) (for detail, see below under »Funding«)
1983 – 1987	<u>Georg-August University, Faculties of Biology and Medicine; Göttingen, Germany</u> Assistant Instructor – immunology, cytology, and physiology. Co-organized four national immunology and neurobiology conferences

Professional Memberships & Fellowships

Boards

2005 – Present	AUGUSTUS BioTarget Inc., Myrtle Beach, SC, USA
2008 – Present	Rodos Biotarget GmbH, Hannover, Germany
2001 – 2005	LTBH Medical Research Institute, Beverly Hills, CA, USA
1998 – 2001	Dept. of Clinical Chemistry and Laboratory Diagnostics, U Hosp. Essen, Essen, Germany

Scientific Advisory Boards

2005 – Present (Resting) ²	LTBH Medical Research Institute, Alta Loma, CA, USA
2002 – 2005	The Science Advisory Board (SAB) / Internet presence: https://www.scienceboard.net/

Associations

2008 – Present	Public Library of Sciences (PLOS)
2010 – 2017	European Society for Applied Immunology (EGAI)
2003 – 2005	American Association of Immunologists (AAI)
2003 – 2005	Federation of American Societies for Experimental Biology (FASEB)
2002 – Present	European Macrophage & Dendritic Cell Society (EMDS)
2001 – Present	Robert Koch Foundation, i.e. »Robert Koch-Stiftung«
1998 – Present	German Brain-Immune Network (GEBIN)
1996 – 2000	German Study Group for Chronic Inflammatory Bowel Diseases, i.e. »Deutsche Arbeitsgemeinschaft für chronisch-entzündliche Darmerkrankungen« (DACED), a partner of the Competence Network for Bowel Diseases, i.e. »Kompetenznetz Darmerkrankungen«
1995 – 2000	German Society for Gastroenterology, Digestive and Metabolic Diseases, i.e. »Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten« (DGVS)
1991 – Present	German Society for Immunology, i.e. »Deutsche Gesellschaft für Immunologie« (DGfI)

Awards & Prizes

09/2014	Excellence in Biopharmaceutical Innovation – Germany	Acquisition Int'l. Magazine, Staffordshire, UK
03/2012	Business Award	German.Venture.Day 2012, Duisburg
05/2009	BioTOP Berlin-Brandenburg Prize	CatCap Venture Lounge (Bus. Dev. Agency)
09/2007	Plug & Work Performance Prize	hannoverimpuls (Bus. Dev. Agency)
08/2007	Plug & Work Location Prize	hannoverimpuls (Bus. Dev. Agency)
07/2007	Science4Life Venture Cup 2007	Science4Life (Founders' Competition)
09/2001	Research Award (Poster)	German Society for Endocrinology
09/2001	Research Award (Poster)	German Society for Ophthalmology
09/1995	Research Prize / Scholarship	German Crohn's/Colitis Association
08/1985	Complimentary Award	Jugend forscht Foundation
02/1985	Complimentary Award	Honeywell Corporation
06/1975	Complimentary Award	Abraham Lincoln School

² The "Resting" status is due to the fact that the Institute's purpose has been changed to animal health.

Funding (Selection)

2019-07-01 – Ongoing	Allowance in the area of autoimmune diseases under the »Program to Promote Research, Innovation and Technology« (ProFIT Brandenburg) by the Brandenburg Ministry for Economy, Labor, and Energy (MWAE), Potsdam, Germany (grant number and further information undisclosed due to confidentiality)
2017-10-01 – Ongoing	Federal grant under the program »Promotion of Diagnostics and Novel Therapies for the Treatment of Bacterial Infections« by the Federal Ministry of Education and Research (BMBF), Berlin, Germany (grant number and further information undisclosed due to confidentiality)
2014-11-17 – 2015-04-30	Grant 80143470. European Regional Development Fund (ERDF) via the Lower Saxony State Chancellery, Hannover, Germany
2013 – 2014	Grant KF2531702AJ3. Central Innovation Program for SMEs (ZIM) of the Federal Ministry for Economy and Energy (BMWi), Berlin, Germany
2011 – 2012	Grant KF2531701AJ9. Central Innovation Program for SMEs (ZIM) of the Federal Ministry for Economy and Energy (BMWi), Berlin, Germany
08/2001 – 03/2005	(i) Let There Be Hope Medical Research Foundation, Beverly Hills, CA, USA; (ii) Buddy Taub Foundation, West Hollywood, CA, USA; (iii) Stuart Foundation, San Francisco, CA, USA; and (iv) John Lee Fund of the Tides Foundation, San Francisco, CA, USA
1995 – 1996	Research grant by the Deutsche Morbus Crohn/Colitis ulcerosa Vereinigung (DCCV e.V.), Berlin, Germany
09/1989 – 02/1990	Research grant by the Los Angeles Oncologic Institute, Los Angeles, CA, USA
09/1987 – 02/1991	Grant D9, SFB 330, German Research Foundation (DFG), Bonn, Germany
01/1986 – 03/1987	Grant B5, SFB 236, German Research Foundation (DFG), Bonn, Germany

Assignments for Peer Review

2007 – Present	Further professional journals on an <i>ad-hoc</i> basis
2007 – Present	<i>Investigative Ophthalmology & Visual Science</i> Professional journal of the Association for Research in Vision and Ophthalmology (ARVO), Rockville Pike, Rockville, MD, USA
2007 – Present	<i>Expert Opinion on Drug Delivery</i> Professional journal published by Informa Healthcare Plc., London, UK
2006 – Present	<i>Investigational New Drugs</i> Professional journal published by Springer International Publishing AG, Cham, CH
2003 – Present	<i>British Journal of Nutrition</i> Professional journal published by Cambridge University Press, Cambridge, UK
1997	<i>Immunobiology</i> Professional journal published by Elsevier B.V., Amsterdam, NL
1996 – 1998	<i>Gastro-Telex</i> Monthly hepatogastroenterological digest published by Dres. Schlegel + Schmidt Med. Kommunikation GmbH, Göttingen, Germany

Invited Talks (Selection)

03/2017	Controlled Release Society (CRS), Local Chapter Meeting 2018, Halle, Germany
2009 – Present	Several dozens of confidential investor and company presentations not listed here
07/2009	16 th Germinal Centre Conference (GCC16), Frankfurt/Main, Germany
06/2009	7. Niedersächsischer Life Science-Tag, Hannover, Germany
09/2008	German Society for Immunology (DGfI), Workshop on Tumor Vaccination with Dendritic Cells, Göttingen, Germany
11/2007	European Society for Applied Immunology (EGAI), Baden-Baden, Germany
10/2007	German Society for Immunology (DGfI), Workshop on Tumor Vaccination with Dendritic Cells, Dept. of Immunobiology, University of Freiburg, Freiburg, Germany

02/2007	Novartis Symposium on Allergy and Atopic Diseases, Eisenach, Germany
08/2001	University of Southern California, Los Angeles, USA
09/2000	Thyroid League of Germany (SLD), Düsseldorf, Germany
03/2000	German Society for Immunology (DGfI), Workshop on Tumor Vaccination with Dendritic Cells, Max-Planck Institute for Exp. Medicine, Göttingen, Germany
9/1999	Thyroid League of Germany (SLD), Sauerlach, Germany
3/1999	13 th Cologne Thyroid Seminar, Cologne, Germany
9/1996	12 th International Congress on Photobiology, Vienna, Austria
6/1996	German CIBD Study Group, Mainz, Germany

External Training Given

07/2005 – 03/2008	Novartis and Laboratorios LETI: Allergology training series for MD's, Madrid, Spain
2000-03-15	German Academy for Ophthalmology (AAD), Düsseldorf, Germany
1999-06-31	Center for Ophthalmology, University Hospital, Essen, Germany
1999-06-16	Clinic for General and Transplantation Surgery, University Hospital, Essen, Germany
1999-04-15	The Thyroid Research Group (interdisciplinary), University Hospital, Essen, Germany
1999-03-31	Institute for Medical Psychology, University Hospital, Essen, Germany

External Training Received

2013-04-16	Training course on Good Manufacturing Practice (GMP) and Good Trade and Distribution Practice (GTDP), Hamburg, Germany
1996-05-31 – 06-01	Training Workshop of the German chronic inflammatory bowel disease (CIBD) Study Group, Mainz, Germany
1996-05-11	Training program on CIBDs on occasion of the Annual Meeting of the German Crohn's/Colitis Association (DCCV), Leipzig, Germany
1996-03-02	CIBD training, held by the DCCV and the Lower Saxony Academy for Medical Training, at the Medical Clinic of the Evangelic Hospital, Holzminden, Germany
1995-09-09	CIBD training, on occasion of the Annual Meeting of the DCCV, Bielefeld, Germany

Main Scientific Collaborators (alphabetically, 1991–2008)

Note that more than 20 collaborators from the work periods at LETI Pharma GmbH (06/2005 – 03/2008) and Rodos Biotarget GmbH (10/2008 – Present) are omitted due to confidentiality.

CANBAY A, MD, Dept. Gastroenterology & Hepatology, University Hospital, Essen, **Germany** (now Bochum)
 DAHA MR, MD, Professor, Dept. Nephrology, LUMC, Leiden, **NL**
 ECKSTEIN A, MD, Assoc. Professor, Ctr. for Ophthalmology, University Hospital, Essen, **Germany**
 FAYYAZI A, MD, Assoc. Professor, Ctr. for Pathology, Georg-August University, Göttingen, **Germany**
 GRANSTEIN RD, Professor, MD, Harvard Medical School, Charlestown, MA, **USA**
 GRÖNE H-J, MD, Professor, Dept. Pathology, Georg-August University, Göttingen, **Germany**
 JAHN R., PhD, Professor, Dept. Neurobiology, MPI for Biophysical Chemistry, Göttingen, **Germany**
 MANDEL TE, PhD, Professor, The Walter and Eliza Hall Inst. of Medical Research, Melbourne, NSW, **Australia**
 MENTLEIN R, PhD, Professor, Inst. for Biochemistry, Christian-Albrechts University, Kiel, **Germany**
 NOONAN F, PhD, Professor, George Washington University, Washington, DC, **USA**
 OSBORN M, PhD, Dept. Biochemistry & Cell Biology, MPI for Biophysical Chemistry, Göttingen, **Germany**
 PETERS JH, MD, Professor, Dept. Immunology, Georg-August University, Göttingen, **Germany**
 SCHLEMMINGER R, MD, Professor, Dept. General Surgery, Georg-August University, Göttingen, **Germany**
 SCHREINER GF, MD, PhD, Professor, Washington University School of Medicine, St. Louis, MI, **USA**
 SCHUBERT R, PhD, Professor, Dept. of Pharmaceut. Technol. & Biopharm., University of Freiburg, **Germany**
 SCHWARTZ P, MD, Professor, Inst. for Anatomy, Georg-August University, Göttingen, **Germany**
 SULLIVAN, SM, PhD, Professor, Dept. Pharmaceuticals, University of Florida, Gainesville, FL, **USA**
 VON GAUDECKER B, MD, Professor, Inst. for Anatomy, Christian-Albrechts University, Kiel, **Germany**
 WEBER K, PhD, Professor, Dept. Biochemistry & Cell Biology, MPI for Biophysical Chem., Göttingen, **Germany**
 WERFEL T, MD, Professor, Clinic & Polyclinic for Dermatology & Venerology, MHH, Hannover, **Germany**

Additional Professional Background

- 1989 – 1991 **Life-Science Book Artist** – J.H. PETERS, H. BAUMGARTEN (eds.): *Monoclonal Antibodies*. Springer, New York 1992, as well as the preceding German edition
- 1984 – 1989 **Public-Media Science Writer** – free-lance
- 3/1983 – 9/1984 **ICU Paramedic** – Nephrological Center, Hann. Münden, FRG
- 3/1979 – 4/1979 **English/German Translator** – AEG, Hameln, FRG
- 1977 – 1978 **Commercial Artist** – Advertising Agency »Ergenzinger«, Bad Münden, FRG
- 1974 – 1975 **Training in technical drawing** – Abraham Lincoln School, Bad Münden, FRG

University Education

Georg-August University (Göttingen, Germany)

- 07/1995 **Faculty of Medicine**
The Habilitation Committee granted an »admission for habilitation in immunology and immunopathology«. The habilitation process commenced at the Department of Immunology under the guidance of Prof. J.H. PETERS, MD. However, this process had to be stopped once Professor PETERS became emeritus.
- 1991-04-25 **Faculty of Biology**
Dr. rer. nat. (PhD) in immunology with »magna cum laude«
- 09/1987 – 02/1991 Dissertation at the Dept. of Immunology, University Hospital Göttingen; Prof. J.H. PETERS, MD, on: »*In-vitro* Differentiation of Dendritic Cells and Macrophages from Rat and Murine Bone Marrow Precursors«
- 1987-06-19 **Dipl.-Biol. (MSc)** in biology with »very good« (corresponding to US Grade »A«) (cell biology, physiology, physiological chemistry, biochemistry, organic chemistry)
- 01/1986 – 03/1987 Experimental thesis at the Dept. of Immunology, University Hospital Göttingen; Prof. J.H. PETERS, MD, on: »*In-vitro* Induction of Mouse, Rat and Human Accessory Immune Cells«
- 04/1983 – 09/1985 **Faculty of Medicine**
Preclinical studies
- 10/1980 – 09/1985 **Faculties of Physics, Pedagogy, and Pictorial Arts**
Elective lectures, seminars, and courses

Technische Universität Braunschweig i.e., Brunswick Institute of Technology (Brunswick, Germany)

- 09/1978 – 03/1979 **Faculty of Aerospace Technology**
Two engineering internships with:
- 09/1978 – 11/1978 Dierssen Engineering Company, Bad Münden; graded »very good« (corresponding to US Grade »A«) on November 30, 1978
- 12/1978 – 03/1979 General Electricity Company (AEG), Hameln; graded »very good« (corresponding to US Grade »A«) on March 10, 1979

Schools

- 08/1975 – 06/1978 **Albert Einstein Secondary School**, Hameln, FRG
(university admission exam on June 8, 1978)
- 08/1969 – 07/1975 **Abraham Lincoln Secondary School**, Bad Münden, FRG
- 04/1964 – 07/1969 **Hinrich Wilhelm Kopf Elementary School**, Bad Münden, FRG

Other

Languages

German: Mother tongue
 English: Business fluent – speaking, writing, and reading
 French: Satisfying – speaking, writing, and reading
 Spanish: Basics – reading better than speaking

Non-Professional Memberships / Charities

2001 – Present Let There Be Hope Foundation – Patron
 1997 – Present American Biographical Institute (ABI) – Research Fellow
 1995 – 2005 German Crohn's/Colitis Association (DCCV) – Donor
 1991 – Present Göttingen University League – Fellow Alumnus
 1990 – 2016 United Nations International Children's Emergency Fund (Unicef) – Patron

Military Service (former West Germany)

07/1978 – 08/1978 and 10/1979 – 11/1980 Federal Armed Forces (Bundeswehr):
 10/1979 – 11/1980 Compulsory service at garrisons Fürstenau and Delmenhorst
 10/1979 – 11/1980 Elected »spokesman of confidence« (Vertrauensmann)

Werdohl / January 25, 2020



Bibliographical Information

Publications

For a differentiated list, see:
https://www.researchgate.net/profile/Robert_Gieseler
 Reprints are available upon request as PDF files.

Patents / Patent Applications (Status of 2020-01-25)

Official Reference	Application Date	Inventors and Titles	End of Protection	Status (14 Jan 2020)
EP 1 663 315	Sept 17, 2004	Gieseler RK, Marquitan G, Scolaro MJ. Targeted Lipid-Drug Formulations for Delivery of Drugs to Myeloid and Lymphoid Immune Cells	Sept 17, 2024	GRANTED (validated in AT, CH/LI, DE, DK, ES, FR, GB, IT, NL, SE, TR)
US 15/154,079	May 13, 2016	Ditto	May 13, 2036	Pending
CA 2,539,256	Sept 17, 2004	Ditto	Sept 17, 2024	GRANTED
EP 1 761 248	March 21, 2005	Gieseler RK, Marquitan G, Scolaro MJ, Schwarz A. Carbohydrate-derivatized Liposomes for Targeting Cellular Carbohydrate Recognition Domains of CTL/CTLD Lectins, and Intracellular Delivery of Therapeutically Active Compounds	March 21, 2025	GRANTED (validated in AT, CH, DE, DK, ES, FR, GB, IE, IT, NL, SE, TR)
US 2007/0292494	March 21, 2005	Ditto	March 21, 2025	Pending
CA 2,560,241	March 21, 2005	Ditto	March 21, 2025	GRANTED
JP 5,266,433	March 21, 2005	Ditto	March 21, 2025	GRANTED
WO 2017/017148	July 27, 2016	Scolaro MJ, Gieseler RK, Furch M. Immunotherapies for Malignant, Neurodegenerative and Demyelinating Diseases	–	ABANDONED
WO 2016/174250	April 29, 2016	Furch M, Gieseler RK. Targeted Nanocarriers for Targeted Drug Delivery of Gene Therapeutics	April 29, 2036	Taken to the national phase
EP 2016/059699	May 5, 2015	Ditto	May 5, 2035	Nations to be specified
EP 2 819 510 (a.k.a.12001433.7)	March 2, 2013	Schreiter T, Gieseler R, Marquitan G, Furch M, Canbay A. Organ Perfusion System	March 2, 2033	GRANTED