

# CURRICULUM VITAE

## Personal

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Nationality	German
Date of Birth	January 24, 1962

## Education and Degrees

4/83 - 5/89	Medical School, University of <b>Heidelberg</b> , Germany
9/1987	<b>Johns Hopkins University Baltimore</b> , U.S.A. Clinical Clerkship: Hematology/Bone marrow transplantation program
4/88 - 11/88	<b>University of Chicago Pritzker School of Medicine, Chicago</b> , U.S.A. Subinternships in surgery and internal medicine
1986-1987	Experimental medical thesis in physiology: 'Renovascular effects of adenosine-agonists' ('magna cum laude') – doctoral degree Dr.med.
1994	Board Examination Ophthalmology
10/1997	Habilitation ('Privatdozent') for Ophthalmology: 'Age-dependent changes in Bruch's membrane and the retinal pigment epithelium as pathogenetic factors in age-related macular degeneration'

## Academic and professional appointments

Since 2003	<b>Chairman and Professor</b> , Department of Ophthalmology, University of Bonn
1995 – 2003	„ <b>Oberarzt</b> “ at the Department of Ophthalmology, University of Heidelberg, Germany; 2001-2003 „Geschäftsführender Oberarzt“
1992 – 1993	<b>Research and Clinical Fellowship Medical Retina</b> , Institute of Ophthalmology, Moorfields Eye Hospital, London, England Supervisor: Professor Alan C. Bird, MD, FRCS, FRCOphth
9/93	The Schepens Eye Research Institute, Boston, U.S.A., lipofuscin research project
1989-1991, 1994	Residency, Department of Ophthalmology, University of Heidelberg, Germany

## Scholarships and awards

	Scholar of the <b>German National Scholarship Foundation</b> ( <i>Studienstiftung des Deutschen Volkes</i> )
1988	Scholarship of the <b>German Academic Exchange Service</b> (DAAD)
1992-1993	Research Scholarship <b>Gertrud-Kusen-Foundation</b> , Hamburg, Germany
1999	<b>Macular Degeneration Research Award</b> for the Prevention of Blindness, Pro Retina Germany and Switzerland
1999	<b>Research Award</b> of the <b>German Ophthalmological Society (DOG)</b>
2000	<b>Achievement Award</b> of the <b>American Academy of Ophthalmology (AAO)</b>
2001	<b>Leonhard-Klein Award</b> for Ophthalmic Surgery
2005	<b>DOC Award</b> , German Ophthalmic Surgeons
2008	<b>Leonhard-Klein Award</b> for Ophthalmic Surgery
2011	<b>Senior Achievement Award</b> of the <b>American Academy of Ophthalmology (AAO)</b>
2011	<b>Alcon Research Institute Ward (ARI)</b>
2014	<b>Jules Gonin Award</b>
2015	<b>Xtreme Research Award</b>
2017	<b>Medaille d'or Paul Chibret</b>
2018	<b>Fellow of the Association for Research in Vision and Ophthalmology</b>
2019	<b>Dutch Retina Award</b>
since 2021	<b>Member of the National Academy of Sciences Leopoldina</b>

## Main scientific interests

- Pathogenesis and therapy of complex and monogenetic macular diseases including age-related macular degeneration (AMD), macular telangiectasia, retinal vein occlusions and diabetic retinopathy
- Development and validation of anatomic and functional outcome parameters in clinical trials for retinal diseases
- Imaging of retinal and macular diseases: confocal scanning laser ophthalmoscopy, fundus autofluorescence (FAF) imaging, quantitative FAF imaging (qAF), optical coherence tomography, molecular imaging, automated image analysis, artificial intelligence/deep learning approaches
- Surgical therapy of retinal/macular diseases

## Other functions

- Project-Leader MACUSTAR-Study: Development of novel clinical endpoints for clinical trials in intermediate AMD (Innovative Medicine Initiative IMI2 funding 16 Mio €)
- Founder and Coordinator to the German Research Council (DFG)-Priority Program „Age-related macular degeneration“ (Deutsche Forschungsgemeinschaft SPP 1088)
- *Board member* of the German Ophthalmological Society (DOG), past president (2008)
- Executive Board member of EURETINA (since 2019), past president (2020 – 2021)
- *Editor-in-Chief* of the peer-reviewed, scientific journal „Der Ophthalmologe“ (Official Organ of the German Ophthalmological Society), Publisher: Springer
- Member of the Committee for Macular Diseases of the German Ophthalmological Society
- Editorial Board member: RETINA, Graefe's Archive of Experimental and Clinical Ophthalmology; International Ophthalmology; Ophthalmologica
- Member of the Scientific Advisory Board of the German Pro Retina Society
- Founder and chair GRADE Reading Center Bonn

## Publications

- More than 600 articles in peer-reviewed journals
- Editor of several books on age-related macular degeneration, medical retina, and retinal imaging
- Author/coauthor of more than 20 book chapters

**Patents**

- #20040254567 Surgical method for ablating tissue
- #06115230.2 Method for early diagnosis of proliferative diabetic retinopathy
- #US 9,980,851 B2 Instrument for stimulating and/or abrasively treating and/or polishing a membrane or surface or inner surface in the human or animal eye

**Society Memberships**

- American Academy of Ophthalmology (AAO)
- Association for Research in Vision and Ophthalmology (ARVO)
- Macula Society
- Club Jules Gonin
- Gass Club
- European Fluorescein-Angiography Club (FAN-Club)
- EURETINA
- German Ophthalmological Society (DOG)
- European Association for Vision and Eye Research (EVER)
- German Retinological Society
- European Academy of Ophthalmology (EAO)