



Curriculum Vitae Professor Dr. Thomas Krieg



Name: Thomas Krieg

Born: 17 June 1949

Major Scientific Interest: clinical dermatology, autoimmune diseases, tumor diseases, impaired wound healing, cell-matrix interactions, fibrosis, mouse models, inflammatory mechanisms

Thomas Krieg is a dermatologist. His research focuses on impaired wound healing, autoimmune diseases, inflammatory mechanisms, and connective tissue research. He identifies molecular mechanisms of chronic wounds and fibrotic diseases and is working on new therapeutic approaches.

Academic and Professional Career

- since 2017 Senior Professor, University of Cologne
- 1991 - 2017 Professor (C4/W3) and Chairman, Department of Dermatology, University of Cologne
- 1986 - 1991 Professor (C2) Dermatology, Ludwig Maximilians University, Munich
- 1984 - 1986 Visiting Scientist (Heisenberg fellow), Laboratory of Carcinogenesis & Tumor
- 1983 - 1984 Visiting Scientist, National Cancer Institute Bethesda (NIH), USA
- 1982 Habilitation for Dermatology and Venereology, Ludwig Maximilians University, Munich
- 1980 - 1984 Residency in Dermatology, Ludwig Maximilians University, Munich
- 1979 Postdoctoral training, Institute for Cell Genetics (Nils Ringertz), Karolinska Institute, Stockholm, Sweden
- 1975 - 1979 Research assistant, Department of Connective Tissue, Max-Planck Institute for Biochemistry, Martinsried
- 1975 Medical Dissertation in Pharmacology
- 1973 Doctorate

1967 - 1973 Medical School, Free University Berlin

Functions in Scientific Societies and Committees

since 2019 Vice President, German National Academy of Sciences Leopoldina
2016 - 2019 Speaker, Leopoldina class III (Medicine), German National Academy of Sciences Leopoldina
2011 - 2019 Dean, Medical Faculty, University of Cologne
2011 - 2015 Senator Internal Medicine, German National Academy of Sciences Leopoldina
2002 - 2011 Chair, German Network Systemic Scleroderma
2002 - 2010 Member, Advisory Board Deutsche Krebshilfe
2001 - 2011 Prorector for Research, University of Cologne
1995 - 2003 Director, Center for Molecular Medicine Cologne
since 1994 Extraordinary Member of the Drug Commission of the German Medical Association

Thomas Krieg was the editor of the "Journal for Skin and Venereal Diseases", section editor of "Investigative Dermatology" and European editor of "Wound Repair and Regeneration" and is now principal deputy editor of the "Journal for Investigative Dermatology".

Project coordination, Membership in collaborative research projects

since 2016 Vice Speaker, DFG Project 829 "Molekulare Grundlagen der Regulation der Homöostase der Haut"
2009 - 2016 Speaker, DFG Project 829 "Molekulare Grundlagen der Regulation der Homöostase der Haut"
2003 - 2007 Speaker, DFG Project 589 "Molekulare Grundlage struktureller und funktioneller Barrieren in der Haut"
1996 - 2003 Speaker, DFG Research Group 265

Honours and Awarded Memberships

2018 Nekam medal, Hungarian Dermatological Society
2018 Honorary Senator, University of Cologne
2017 Paul Gerson Unna medal, Deutsche Dermatologische Gesellschaft
2017 International League Dermatological Societies Award

2012	Dr. honoris causa, Lund University, Sweden
2005	Honorary Fellow, Royal College of Physicians, London, UK
1999	Dr. honoris causa, Semmelweis University, Budapest, Hungary
since 1997	Member, German National Academy of Sciences Leopoldina
1991	Max-Planck Research Award (together with Dennis Roop)
1984	Heisenberg Fellowship
1982	Bill Reed Award, European Society for Dermatological Research
1979	Otto Hahn medal of the Max-Planck Society (Howard Green, Stephen Krane)
1978	Ulmer Dermatologie Prize (formerly Gottron Just award)
1977	Dr. Heinz Karger Prize

Honorary Member of the American Academy of Dermatology, of the Austrian Society of Dermatology and Venereology, of the Baltic Association of Dermatovenereologists, of the Czech Dermatovenereology Society, of the European Society for Dermatological Research, of the Hungarian Dermatological Society, of the Japanese Society for Investigative Dermatology and of the Polish Dermatological Society.

Major Scientific Interest

Thomas Krieg is a dermatologist. His research focuses on impaired wound healing, autoimmune diseases, inflammatory mechanisms, and connective tissue research. He identifies molecular mechanisms of chronic wounds and fibrotic diseases and is working on new therapeutic approaches.

The underlying causes of chronic wounds and fibrotic reactions are not yet fully understood. Thomas Krieg and his team identify risk factors and molecular mechanisms of chronic wounds, scarring, and fibrosis such as scleroderma. All these diseases lead to chronic inflammation and fibrosis of the skin or other organs, which are often highly pronounced and are very difficult to treat. Using mouse models, his research group has established that activated fibroblasts and specific cells of the immune system (macrophages) play a key role in these processes. The scientists were able to identify complex cellular interactions in fibrotic skin diseases and highlight their importance for scar formation.

The treatment of chronic wounds and fibrotic diseases including their associated complications is a major medical and socio-economic problem. Thomas Krieg aims to identify processes responsible for degenerative changes in the skin which thus inhibit the normal healing process. His group utilizes a variety of experimental approaches for this purpose. Based on experiments with cell cultures, transgenic mice are investigated as model organisms.

With his research, Thomas Krieg seeks to develop innovative therapies for the treatment of chronic

wounds and fibrosis to limit scarring as much as possible and restore normal tissue functions.