



Curriculum Vitae Professor Dr. Steffen Gay



Name: Steffen Gay
Born: 22 March 1948

Major Scientific interests: Epigenetic modifications in rheumatic and cardiovascular diseases

Academic and Professional Career

- since 1996 Professor of Experimental Rheumatology and Leading Doctor, Center for Experimental Rheumatology, Clinic of Rheumatology, University Hospital Zurich, Switzerland; recognized as Center of Excellence 2015-2020 by the European League Against Rheumatism
- since 1996 Adjunct Professor of Medicine, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, USA
- 1984 - 1996 Professor of Medicine, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, USA
- 1984 - 1996 Director, WHO Collaborating Center for the Biochemical Classification and Diagnostic Criteria of Rheumatoid Arthritis and Allied Diseases
- 1984 - 1991 Senior Scientist, Institute of Dental Research, University of Alabama at Birmingham, USA
- 1983 - 1991 Director, UAB, School of Dentistry, LM-EM-Histochemistry-Autoradiography Unit, USA
- 1978 - 1996 Associate Professor, Department of Dermatology, University of Alabama in Birmingham, USA

- 1978 - 1996 Scientist, Comprehensive Cancer Center and Breast Cancer Research Task Force, University of Alabama in Birmingham, USA
- 1978 - 1984 Scientist, Institute of Dental Research, University of Alabama in Birmingham, USA
- 1978 - 1984 Associate Professor, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama in Birmingham, USA
- 1977 - 1978 Visiting Assistant Professor, Dept. of Pathology, University of Alabama in Birmingham, USA
- 1976 - 1978 Visiting Investigator, Institute of Dental Research, University of Alabama in Birmingham, USA
- 1976 Research Specialist, Dept. of Biochemistry, CMDNJ-Rutgers Medical School, Piscataway, New Jersey, USA
- 1973 - 1976 Research Fellow, Max Planck Institute for Biochemistry, Munich, Germany
- 1972 - 1973 Resident, Fachkrankenhaus für Innere Medizin, Leipzig, Germany
- 1970 - 1973 Research Graduate Student, Pathological Institute of the University Leipzig, Germany
- 1972 Promotion at the Universität Leipzig, Germany
- 1966 - 1972 Studies at the Universität Leipzig, Germany

Project coordination, Membership in collaborative research projects (Selection)

- 2012 - 2016 EC Marie Curie OsteoImmune
- 2011 - 2016 EC IMI BTCure
- 2008 - 2013 EC FP7 MASTERSWITCH , Executive Committee
- 2006 - 2011 EC-FP6 AUTOCURE , Executive Committee

Functions in Scientific Societies and Committees (Selection)

- 2015 Member, Executive Committee of the Biomedical Research Alliance
- 2015 Member, Scientific Panel for Health (SPH), appointed by the European Commission
- 2010 President , Novartis Foundation for medical-biological Research, Switzerland
- 2008 - 2014 Curatorium, Center of Clinical Research at the University Zurich (ZKF), Switzerland
- 2008 - 2011 Chairman, EULAR Standing Committee on Investigative Rheumatology
- 2002 Chairman, Annual Meeting Planning Committee, EULAR
- 2001 - 2005 Annual Meeting Planning Committee, American College of Rheumatology

- 1993 - 1999 Chairman, International Advisory Committee, American College of Rheumatology
- 1993 - 1997 Director, International Corporate Relations for The University of Alabama at Birmingham and the UAB Research Foundation, USA
- 1993 NIH, MAMDC - Study Section
- 1992 Chair, Abstract Selection Subcommittee "Rheumatoid Arthritis"
- 1992 Subchair, NIH Study Section, Specialized Center of Research (SCOR)
- 1989 - 1991 Member, Grants Subcommittee of the Arthritis Foundation's Research Committee
- 1987 - 2000 Member, Advisory Committee for the German Rheumatology Research Center, Berlin, Germany
- 1985 - 1989 Member, International Affairs Committee, American Rheumatism Association

Honours and Awarded Memberships (Selection)

- 2015 Master of the American College of Rheumatology (ACR)
- 2011 Honorary Member of The European League Against Rheumatism (EULAR)
- 2008 Kussmaul Medal
- 2007 Oscar in Rheumatology, Poland
- 2005 - 2015 EULAR Center of Excellence
- 2004 Member, German National Academy of Sciences Leopoldina
- 2003 Honorary Member, Saxonian Society for Internal Medicine
- 2003 Honorary Member, Hungarian Society for Rheumatology
- 2003 Honorary Member, The Alpha Omega Alpha Medical Honor Society
- 2003 Spinoza Professor, University of Amsterdam, Netherlands
- 2000 Kare Berglund Lecture, University of Lund, Sweden
- 1999 Honorary Member, American Association of Physicians
- 1999 Honorary Member, Society for Connective Tissue Research
- 1992 Visiting Professor, Department of Rheumatology, University Hospital, Leiden, Netherlands
- 1989 May and Baker Lecture and Visiting Professor at the United Medical and Dental Schools of Guy's and St. Thomas's Hospitals, University of London, UK
- 1978 Carol-Nachman Prize
- 1976 - 1977 Research Fellowship for USA from German Research Foundation (DFG)

- 1975 Alexander Schmidt Award for Thrombosis Research
- 1972 Medical exam "Summa cum laude"
- 1972 ISI Citations over 16'000, h-index 70

Major Scientific Interests

Epigenetic modifications in rheumatic and cardiovascular diseases including methylation, acetylation, sumoylation and microRNA, represent the major focus of our current research. The molecular and cellular basis of joint destruction in rheumatic diseases especially involves the search for novel genes and their signaling pathways ("Functional Genomics").

The role of microparticles modulating gene expression is another focus of our interest. The center is training research students and fellows from around the world in molecular and cellular research.