

Curriculum Vitae

Hugo A. Katus, M.D.

Professor in Internal Medicine and Cardiology
Department of Internal Medicine
University of Heidelberg
Im Neuenheimer Feld 410
69120 Heidelberg
GERMANY

Born: November 30, 1951 in Steinfeld, Rheinland-Pfalz,
Citizen of the Federal Republic of Germany

Education and Professional Achievements

- 1958 - 1962 Elementary School in Steinfeld, Rheinland-Pfalz
- 1962 - 1970 High School and College at the Heimschule Lender in Sasbach, Baden-Wuerttemberg
- 1970 - 1976 Medical School at the University of Heidelberg
- 1976 M.D.-Degree, University of Heidelberg
- 1976 - 1978 Training in Internal Medicine at the University Hospital of Heidelberg
- 1978 - 1980 Research Fellow at the Massachusetts General Hospital, Harvard Medical School, Boston (Mol. Cell. Cardiol. Research Laboratory, Edgar Haber M.D.)
- 1980 - 1986 Training in Internal Medicine and Cardiology at the University Hospital of Heidelberg
- 1986 - 1988 „Oberarzt“ (Senior Physician) at the University Hospital of Heidelberg
- 1988 - 1992 Associate Professor in Internal Medicine at the University of Heidelberg
- 1992 - 1995 Vice Director of the Department of Internal Medicine III (Cardiology, Angiology, Pulmonology) and Director of the Cardiac Catheterization Unit at the University of Heidelberg
- 1995 - 1996 Associate Professor at the University of Heidelberg, Medical School
- 1996 - 2002 Professor in Internal Medicine and Head of Internal Medicine Cardiology at the University of Lübeck
- 2002 - today Professor in Internal Medicine and Director of the Department of Internal Medicine III (Cardiology, Angiology, Pulmonology) at the University of Heidelberg

- 2002 - today President of the Academy of the German Society of Cardiology
- 2002 - 2009 Speaker of the Cardiovascular Disease Section of the National Genome Research Network
- 2004 - today Co-editor of Clinical Research in Cardiology (Official Scientific Journal German Cardiac Society)
- 2005 - today Speaker of the Department of Internal Medicine, University of Heidelberg
- 2007- today Head Internal Medicine at the SRH Hospital Heidelberg/Wieblingen
- 2008 - 2010 Speaker of the National Genome Research Network (NGFN)
- 2011 - today Speaker of the German Center for Cardiovascular Research Heidelberg/Mannheim (DZHK-BMBF)
- 2011 - today Head of the Cardiology Department at the GRN-Hospital in Eberbach
- 2012 – 2013 Speaker of the National Genome Research Network (NGFN)
- 2013 President of the German Society of Cardiology Congress
- 2015 Elect President of the German Society of Cardiology

Research Interests in Cardiovascular Medicine

- 1973 - 1976 Experimental electrophysiology (voltage-clamp-techniques, excitation-contraction-coupling)
- 1976 - 1978 Clinical hemodynamics (pressure volume measurements, assessment of contractility indices in the human heart)
- 1978 - today Biochemistry, Immunology, Clinical Chemistry (new diagnostic methods for the detection of myocardial cell necrosis, cardiac markers of myocardial injury)
- 1985 - 1991 Biochemistry, Physiology, Muscle Contraction (skinned fibres, isoform expression of myofibrillar proteins)
- 1991 - today Molecular Biology, Molecular and clinical Genetics, (Causes of familiar dilatative cardiomyopathy, somatic gene transfer, transgenic animals)

Publications

- > 1340 original articles
- > 42 book articles
- > 33 patent applications

Honours and Awards

1995	Innovation Award of the German Ministry of Economy
1997	Artur Weber Award of the German Society of Cardiology
1999	Franz Loogen Award of the Essen Cardiac Society
2006	Award to outstanding contribution to Clinical Chemistry from the American Society of Clinical Chemistry
2009	Innovation Award of the BioRegion Germany
2011	Paul Morawitz prize by German Society of Cardiology
2012	European Inventor Award Nomination 2012: "The troponin blood test for diagnose myocardial infarction"
2014	Highly Cited Scientist Thomson Reuters Science Report

Professional Memberships

1988 – present	Member, Deutsche Gesellschaft für Herz- und Kreislaufforschung
1988 – present	Member, American Heart Association, Basic Science
1992 – present	Member, Deutsche Gesellschaft für Innere Medizin
1998 – present	Fellow of the European Society of Cardiology
2011 – present	Fellow of the American College of Cardiology
2011 – present	Member of the ACC – German Chapter
2013 – present	Fellow of the American Heart Association

Research Grants

- * Deutsche Forschungsgemeinschaft
- * Bundesministerium für Forschung und Technologie
- * European Research Frameworks
- * Several private and public research foundations

Enterprises

Co-Founder of InoCard GmbH

A company for the translation of molecular treatment strategies in cardiovascular diseases

Member of the Executive Committee of Uniqure, Amsterdam NL; a gene therapy company

Important Contributions to Cardiovascular Medicine

Clinical

Foundation of the Academy of the German Cardiac Society in 2001

First implementation of a chest pain unit in Germany in 2004

First implementation of an advanced heart failure unit for the dedicated care of patients with end stage heart failure in Germany in 2012

Research

Invention of the myosin light chains assay in 1983 (patents: EP/DE28202021A3, US 4879216A) and troponin T assay in 1986 (EP/DE 394819A3, US6376206B1) and subsequent translation of troponins as biomarkers of myocardial injury to clinical care

Dissection of the molecular and genetic causes of cardiomyopathies

Translating gene therapy for the treatment of heart failure (EP/DE 862644A2, US6376206B1).