

## Curriculum Vitae



Name: Hanns-Christian Gunga  
Prof. Dr. med. Dipl. geol.  
Born: 08-08-1954 in Soest, Germany  
Marital Status: Married  
3 children

Zentrum für Weltraummedizin Berlin  
Institut für Physiologie  
Charité – Universitätsmedizin Berlin  
Arnimallee 22  
D-14195 Berlin  
Tel.: + 49 – 30 – 8445 – 1656/–1659  
Fax: + 49 – 30 – 8445 – 1658  
Cell: + 49 – 172 – 311 66 21  
e-mail: hanns-christian.gunga@charite.de

	<b>Education</b>
1973	Abitur (High School Graduation)
1973	Commenced university studies in Geology and Palaeontology at the Westphalian Wilhelm University in Münster
1977	Received the special broadcasting corporation award for „Coral Reefs in the Sahara“
1978	Received a scholarship from the DAAD (German Academic Exchange Service) for geological studies in central Spain (stratigraphic and sedimentological as well as photogeological investigations based on remote sensing data taken by LANDSAT 2).
1979	Commenced medical studies at the Westphalian Wilhelm University in Münster
1980	Completed studies in geology/palaeontology as a graduated geologist.
1984	Continuation of medical studies at the Free University of Berlin
1987	State exams at the Free University of Berlin; licenced to practise medicine
1989	Doctoral degree Topic of thesis: The life and works of the Berlin physiologist, Nathan Zuntz (1847-1920) with particular reference to his importance to the early history of high-altitude physiology and aviation medicine.

1997	Habilitation (German post-doctoral lecturing qualification) Topic of habilitation paper: The regulation of erythropoietin in man under extreme laboratory and field conditions
2000	Qualification „Specialty in Physiology“ (Facharzt für Physiologie)
	<b>Record of Employment</b>
1980-82	Assistant at the Department of Geology at the Westphalian Wilhelm University in Münster in the Planetology Research group „Earth-Moon System“ Director: Prof. Dr. Bischoff Project: Photogeological studies on the faults in the lunar highland surface Sponsorship: German Research Council (DFG) in Bonn
1987-92	Assistant at the Department of Physiology at the Free University of Berlin in the applied physiology research group Head: Professor Dr. Karl Kirsch
1992-97	Assistant lecturer at the Department of Physiology of the Free University of Berlin in the applied physiology research group
1997-2004	Associate Professor (Privatdozent) at the Department of Physiology of the Free University of Berlin in the applied physiology research group
Since 2004	Full Professor (tenure track) at the Department of Physiology at the Charité – Universitätsmedizin Berlin – Campus Benjamin Franklin Research focus: space medicine, blood physiology, cardiovascular physiology, renal physiology, comparative physiology in extreme environments
	<b>Additional activities</b>
Since 2000	Speaker of the Center of Space Medicine Berlin (Zentrum für Weltraummedizin Berlin, ZWMB; <a href="http://www.zwmb.de">www.zwmb.de</a> )
2000	Member of the Life Science Working Group (ESA)
2001	Member of the Exobiology Working Group (ESA)
2003	Member of the Research and Technology Office (NATO)

2003	Chairman of the Life Science Working Group (ESA)
2004-2010	Member of Wissenschaftskommission beim Bundesministerium für Landesverteidigung (BMLV, Austria)
Since 2005	Member of the NATO expert council „Man in Extreme Environments
Since 2007	Life Science Expert for GoSpace – Around
Since 2007	Member of the Scientific Program Board of the German Aerospace Center (DLR)
Since 2008	Associate Director of the Institute of Physiology, Charité – Campus Benjamin Franklin
	<p><b>Participation in the following space physiology oriented missions:</b></p> <p>ISEMSI'90 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)</p> <p>EXEMSI'92 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)</p> <p>MIR'92 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)</p> <p>MIR'92 (Co-Investigator, Volume Regulating Hormones, Prof. Dr. Röcker)</p> <p>D-2 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)</p> <p>D-2 (Co-Investigator, Volume Regulating Hormones, Prof. Dr. Röcker)</p> <p>ALTAIR (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)</p> <p>EUROMIR'94 (Principal Investigator, CVP-Erythropoietin)</p> <p>EUROMIR'94 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)</p> <p>ESA-CNES L-TBR'94 (Principal Investigator, Erythropoietin)</p> <p>HUBES'94 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)</p> <p>MIR'97 (Principal Investigator, Erythropoietin-Serum Transferrin Receptor)</p> <p>Neurolab 2000 (Principal Investigator, Psycho-Physiology)</p> <p>Berlin Bed Rest Study 2003/04 (Principal Investigator, Red blood cells)</p> <p>Parabolic Flight Campaign 2005 (Principal Investigator, thermoregulation)</p> <p>Parabolic Flight Campaign 2006 (Principal Investigator, Thermoregulation)</p> <p>Berlin Bed Rest Study 2007/08 (Principal Investigator, Thermoregulation, Red blood cells)</p> <p>Parabolic Flight Campaign 2007 (Principal Investigator, Fluid shift and thermoregulation)</p>

**Number of Publications:**

> 100; >60 in peer-reviewed journals

(PNAS, Lancet, American Journal of Physiology, Journal of Applied Physiology, European Journal of Applied Physiology, Thrombosis and Hemostasis and others)