

SPEAKER'S BIOGRAPHY

Hanns-Christian Gunga (Germany)



MD PhD Dipl Geol
Privatdozent, German University lecturer qualification
Dr. med., Grad. Geologist-Palaeontologist

Education

- 1973 Abitur (High School Graduation)
- 1973 Commenced university studies in Geology and Palaeontology at the Westphalian Wilhelm University in Muenster
- 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 Muenster
- 1980 Completed studies in geology and palaeontology as a graduated geologist.
- 1984 Continuation of medical studies at the Free University in Berlin
- 1987 State exams at the Free University in Berlin; Licenced to practise medicine
- 1989 Doctoral degree (PhD)
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"

Record of Employment

1980 – 82

Assistant at the Department of Geology at the Westphalian Wilhelm University in Muenster 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 Berlin in the applied physiology research group

Head: Professor Dr. Karl Kirsch

INTERNATIONAL SPACE
EXPLORATION CONFERENCE
BERLIN 8-9 NOVEMBER 2007

1992 – 97

Assistant lecturer at the Department of Physiology at the Free University Berlin in the applied physiology research group

Since November 1997 Associate Professor (Privatdozent) at the Department of Physiology at the Free University 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

Research focus: blood physiology, cardio-vascular physiology, environmental and comparative physiology

Additional activities

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| since 2000 | Speaker of the Center of Space Medicine Berlin |
| 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 |

Participation in the following space physiology oriented missions

ISEMSI'90 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)
EXEMSI'92 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)
MIR'92 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)
MIR'92 (Co-Investigator, Volume Regulating Hormones, Prof. Dr. Rucker)
D-2 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)
D-2 (Co-Investigator, Volume Regulating Hormones, Prof. Dr. Rucker)
ALTAIR (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)
EUROMIR'94 (Principal Investigator, CVP-Erythropoietin)
EUROMIR'94 (Co-Investigator, Tissue Thickness, Prof. Dr. Kirsch)
ESA-CNES L-TBR'94 (Principal Investigator, Erythropoietin)
HUBES'94 (Co-Investigator, Autonomic Nervous System, Prof. Dr. Kirsch)
MIR'97 (Principal Investigator, Erythropoietin-Serum Transferrin Receptor)
Neurolab 2000 (Principal Investigator, Psycho-Physiology)

Website: http://www.congress.copris.com/congress2001/eng/biograf20_en.htm