

Univ.-Prof. Dr. W.E.G. Müller
Institute for Physiological Chemistry,
University Medical Center of the
Johannes Gutenberg University Mainz
Duesbergweg 6, D-55128 Mainz; GERMANY.
Tel.: +49 6131-39-25910; Fax: +49 6131-39-25243
E-mail: wmueller@uni-mainz.de;
<http://www.biotecmarin.de/>



1. Personal

Name	Univ.-Prof. Dr. Werner E. G. Müller
Private address	Semmelweisstraße 12, 65203 Wiesbaden
Business address	Institute for Physiological Chemistry University Medical Center of the Johannes Gutenberg University Mainz Duesbergweg 6, D-55099 Mainz, Germany

2. Professional Career

Study of biology and chemistry, University of Mainz
Research Assistant at the Institute for Physiological Chemistry, Mainz University
Assoc. Professor, Institute for Physiol. Chemistry, Mainz University

1977 Head of the Department "Applied Molecular Biology", Institute for
Physiological Chemistry, University of Mainz

1977 and 1982 Research visitor at the Institute of Microbial Chemistry (Prof. Dr. H.
Umezawa), Tokyo, Japan

1986 - 1991 Visiting professor at the National Cancer Research Institute (Prof. T.
Sugimura; Dr. S. Nishimura; Dr. Y. Kuchino), Tokyo, Japan

1993 - 1999 Visiting professor (Japanese Society for the Promotion of Science),
Graduate School of Medicine (Prof. H. Ushijima), University of Tokyo.

3. Professional Duties/Stipends/Awards

1972 Boehringer Award for Excellence in Pathophysiology Research

1977 Johann-Georg-Zimmermann Award for Excellence in Cancer Research

1980 Max-Bürger Award for Gerontology

1986 Institute Ruder Boškovic-Medal in Gold; Zagreb

1986 Kani-Medal of the Foundation for Promotion of Cancer Research; Tokyo

1993 Research Award of the University of Zagreb

1996 Research Award from "International Human Frontier Science Program"

1996 Award for Science and Research, Croatian Academy of Science

2002 Innovation Prize of the Federal State Rheinland-Pfalz

2005 Spiridion Brusina Medal from the Croatian Society of Geneticists

2007 Paul Scheuer Award in Marine Biotechnology

2011 Select Research Place in Germany (handed over by the German President)

2011 Holder of an ERC Advanced Grant

since 1970 Editor or member of the Editorial Boards of a series of Journals and Book
Series (e.g., Nucleic Acids Research; Progress in Molecular and Subcellular
Biology [Editor-in-Chief]; Mechanism of Ageing and Development [Editor-

in-Chief]; Cellular and Molecular Biology [Co-Editor]; Biomedical Materials [Board member])

Academies:

- 1990 Member of the "Akademie gemeinnütziger Wissenschaften zu Erfurt"
[Senat]
1996 Member of the "Croatian Academy of Science and Arts"
1998 Member of the "Belarus Medical Academy"
2010 Distinguished Professor of the "Chinese Academy of Sciences"
2010 Distinguished Professor of the "Chinese Academy of Geological Sciences"

Publications: > 950 peer reviewed publications; Hirsch h-index: 58 (ISI Web of Science)

4. Research Areas

My research activities focus (1) on the understanding of deep metazoan phylogeny in order to "reconstruct" and define the genetic repertoire of the Urmetazoa (ancestry of Metazoa). (2) The second focus of my research activities, which has become a main topic of my group in the past ten years, is the study of template-directed biomineralization processes, in particular biosilicification in marine and freshwater demosponges. More recently I became particularly interested in the formation of the mineral skeletons of deep-sea glass sponges, but also in other mineralization processes (polymetallic nodules and ferromanganese crusts). For these studies we apply multidisciplinary approaches from inorganic chemistry to molecular biology and bioinformatics. (3) My research interests also comprise the development of novel applications of the enzymes/proteins involved in biosilica formation in various fields of nano(bio)technology and nano-biomedicine.

Since 2010 WEG M is the PI of the Croatian-German "Joint Laboratory" from the German Government together with Prof. R. Batel (IRB - Rovinj).