

# Prof. Dr. Dr. h. c. Michael Hoch

\* 21.10.1961 in Singen, Germany

## Current Position

Since 2015 Rector of the University of Bonn

## Education

- 1983-1989 Studies in Biology at the Ruprecht-Karls-University of Heidelberg
- 1987 Research Student with Prof. Moshe Yaniv, Institut Pasteur, Paris
- 1989-1992 Doctoral Candidate in Biology (Dr. rer. nat.) at the Ludwig-Maximilians-University, Munich, Mentor Prof. Herbert Jäckle

## Academic Positions

- 1992-1994 Postdoctoral fellow with Prof. Herbert Jäckle, Department of Molecular Developmental Biology, Max-Planck-Institute for Biophysical Chemistry, Göttingen
- 1994-1998 Independent Group leader, Department of Molecular Developmental Biology, Max-Planck-Institute for Biophysical Chemistry, Göttingen
- 1996 Habilitation and Venia legendi in Developmental Genetics and Cell Biology, Technical University of Braunschweig, Mentor Prof. Hans-Henning Arnold
- Since 1999 Chair of Molecular Developmental Biology, University of Bonn
- 2000-2002 Director, Institute of Animal Physiology, University of Bonn
- 2000-2006 Founder (together with M. Famulok) and Speaker of the LIMES (Life & Medical Sciences)-group
- 2006-2015 Managing Director of the LIMES (Life & Medical Sciences) Institute
- Since 5/2015 Rector of the University of Bonn

## Honors and Awards

- 1986-1989 Student Fellowship of the German National Merit Foundation (Studienstiftung des deutschen Volkes)
- 1989-1992 PhD Fellowship of the Boehringer Ingelheim Fonds (foundation for the promotion of basic research in biomedicine)
- 1996 Gerhard Hess-Young Investigator Award (German Research Foundation)
- 2000-2007 Member of the reviewer panel for the award of Post Graduate Fellowships of the DAAD (German Academic Exchange Service)

- 2009-2015 Member of the Minerva Fellowship Committee for the promotion of German/Israeli research, Max-Planck-Society, Munich
- 2010 Visiting Research Professor, Waseda University Tokyo, ASMeW
- 2013-2015 Member of the PhD Fellowship Selection Committee of the German National Merit Foundation (Studienstiftung des deutschen Volkes)
- 2017 Honorary Doctorate of Waseda University, Tokyo

### **Academic Self-Administration**

- 2003-2004 Head of the Biology Division of the Faculty for Mathematics & Natural Sciences, University of Bonn
- 2006-2009 Founding Head of the Molecular Biomedicine Division (Fachgruppe) of the Faculty for Mathematics & Natural Sciences, University of Bonn
- 2009 Member of the advisory board of the Rectors' Conference of the state North Rhine-Westfalia for the promotion of research buildings
- 2013-2015 Member of the Board of Trustees ("Stiftungsrat") of the Bonn University Foundation (Bonner Universitätsstiftung)
- 2014-2015 Member of the Board of the Universitätsclub of the University of Bonn
- 2014-2015 Member of the Senate of the University of Bonn

### **Education Programs**

- 2002-2004 Chairman of the Bonner Forum Biomedizin (BFB)
- 2003 Founder of the Undergraduate Study Program Molecular Biomedicine
- 2003-2008 Coordinator of the German Undergraduate Study Program of excellence in Molecular Biomedicine (Diplom), Division Molecular Biomedicine, Faculty for Mathematics & Natural Sciences, University of Bonn
- 2006-2010 Founder and Academic Director of the "Life Science & Culture Bonn" Program (summer program together with Harvard University)
- 2008-2009 Coordinator of the international MSc *Program Life & Medical Sciences*, Division Molecular Biomedicine, Faculty for Mathematics & Natural Sciences, University of Bonn
- 2008-2009 Member of spokesmen-council of the Bonn International Graduate Schools (BIGS) of the University of Bonn
- 2008-2010 Vice Speaker of the International Graduate School NRW LIMES Chemical Biology, University of Bonn

## Research Initiatives

- 2001-2004 Speaker of the Research Unit FOR 425 “Aptamers, drugs, signaling molecules: combinatorial analysis of cellular functions and organogenesis”
- 2002-2004 Member of the DFG Post Graduate Program GRK 721 “Evolution und Biodiversität in Raum und Zeit” (Speaker: K.-P. Sauer, Bonn)
- 2002-2011 Member of the DFG Post Graduate Program GRK 804 (Speaker: M. Famulok, Bonn)
- 2008-2010 Co-project leader together with Dr. A. Archut (University communication) of the DFG-subsidy program “Seeing, Listening, Understanding”
- 2009-2012 Member of the Steering Committee of the Collaborative Research Center SFB 832 (DFG) “Molecular basis and modulation of cellular interactions in the tumor microenvironment”
- 2005-2016 Speaker of the Collaborative Research Center SFB 645 (DFG) “Regulation and Manipulation of Information Flow within Dynamic Protein and Lipid Environments”
- Since 2006 Member of the Steering Committee of the Collaborative Research Center SFB 704 (DFG) “Molecular Mechanisms and Chemical Modulation of Local Immune Regulation” (Speaker: W. Kolanus, Bonn)
- 2009-2016 Member of the Transregio Collaborative Research Center TR 83 (DFG) “Molecular Mechanisms and Chemical Modulation of Local Immune Regulation” (Speaker: T. Söllner, Heidelberg)
- 2012-2016 Member of the Steering Committee of the Bonn Excellence Cluster ImmunoSensation (DFG)

## Selected Publications

- Mass E, Wachten D, Aschenbrenner AC, Voelzmann A, **Hoch M.** 2014. Murine Creld1 controls cardiac development through activation of calcineurin/NFATc1 signaling. *Developmental Cell* 28, 711-726. DOI: 10.1016/j.devcel.2014.02.012.
- Becker T, Loch G, Beyer M, Zinke I, Aschenbrenner AC, Carrera P, Inhester T, Schultze JL, **Hoch M.** 2010. FOXO-dependent regulation of innate immune homeostasis. *Nature* 463: 369-73.
- Bauer R, Voelzmann A, Breiden B, Schepers U, Farwanah H, Hahn I, Eckardt F, Sandhoff K, **Hoch M.** 2009. Schlank, a member of the ceramide synthase family controls growth and body fat in *Drosophila*. *EMBO J* 28: 3706-16.
- Behr M, Wingen C, Wolf C, Schuh R, **Hoch M.** 2007. Wurst is essential for airway clearance and respiratorytube size control. *Nat Cell Biol* 9: 847-53.
- Fuss B, Becker T, Zinke I, **Hoch M.** 2006. The cytohesin Steppke is essential for insulin signalling in *Drosophila*. *Nature* 444: 945-8.

### **Selected Memberships and Functions**

1. Conference of the University Rectors of North Rhine Westphalia (Landesrektorenkonferenz Nordrhein-Westfalen): Member of the speakers council
2. University Medical Center Bonn (Universitätsklinikum Bonn): Deputy Chairman
3. Center for Development Research (ZEF): Member of the International Advisory Board
4. Bonn-Aachen International Center for Information Technology (B-IT): Member of the Foundation Board
5. Max-Planck-Institute for Radio Astronomy (Max-Planck-Institut für Radioastronomie): Member of the Board of Trustees
6. CAESAR – Center of Advanced European Studies and Research: Member of the Foundation Board
7. Zoological Research Museum Alexander Koenig (Zoologisches Forschungsmuseum Alexander Koenig): Member of the Foundation Board
8. Gender Mainstreaming Group of the University of Bonn (Steuerungsgruppe Gleichstellung der Universität Bonn): Group leader
9. Center for Physics (Physikzentrum Bad Honnef der Deutschen Physikalischen Gesellschaft): Member of the Board of Trustees
10. Foundation for Internationalization of the Savings Bank Bonn (Stiftung internationale Begegnung der Sparkasse in Bonn): Member of the Board of Trustees
11. International Club La Redoute (Internationaler Club La Redoute), Bonn Bad Godesberg: Member of the Board of Trustees
12. Bonn University Society (Universitätsgesellschaft Bonn): Member of the Board of Trustees
13. University Foundation (Universitätsstiftung Bonn): Member of the Board of Trustees
14. Bioeconomy Science Center (BioSC): Member of the Advisory Board
15. International Prize for Democracy Bonn (Internationaler Demokratiepreis Bonn): Member of the Board of Trustees
16. House of Technics (Haus der Technik), Essen: Member of the Steering Committee
17. German Museum (Deutsches Museum), Munich: Member of the Board of Trustees
18. Bonn Ambassador