

Dr. rer. nat. Bernhard L. Bader

Affiliation: Lehrstuhl für Ernährungsmedizin, Technische Universität München
Address: Gregor-Mendel-Str.2, D-85350 Freising-Weihenstephan, Germany
Date of birth: July 30, 1959

Education:
1979 - 1986 Biology, Ruprecht-Karls-Universität Heidelberg, Germany
1986 Diploma in Biology 'magna cum laude' (Universität Heidelberg)
1991 Ph.D. Biology 'magna cum laude' (Universität Heidelberg)

Career:
1991 - 1992 Research Associate (Prof. W.W. Franke, DKFZ-German Cancer Research Center, Heidelberg, Germany)
1992 - 1994 DFG-Research Fellow, (Prof.Dr. R.O. Hynes, Massachusetts Institute of Technology, Center for Cancer Research, Cambridge, USA)
1994 – 1997 Research associate (Howard Hughes Medical Institute, Massachusetts Institute of Technology, Cambridge, USA)
1997 - 2003 Group leader, Max-Planck-Institut für Biochemie, Martinsried, Germany.
2004 - to date Group leader, Lehrstuhl für Ernährungsmedizin, Technische Universität München (TUM)
2007 - to date Research coordinator, ZIEL PhD –School “Epigenetics, imprinting and nutrition” at TUM-ZIEL (Research Center for Nutrition and Food Science)

Research Interests:

- Angiogenesis, adipogenesis, developmental biology and mouse genetics
- Cloning and genetic analysis of cell adhesion molecules, gene-knockout technology
- Embryonic stem cell technology
- Cell and molecular biology of cross-talks between adipocytes, endothelial cells, monocytes (adipokine expression, co-culture models and transgenic mice) and intestinal epithelial cells
- Barrier function of placenta, vascular endothelium and intestinal epithelium
- Analysis of the influence of nutrients on gene expression and regulation, metabolic programming (transcriptomics, epigenetics - miRNA-mRNA interactions)

Teaching:

- Pathobiochemistry and pathophysiology, epigenetics for students in Nutritional Sciences.

Selected Memberships:

- Member of the Society for Matrix Biology since 1998.

Selected Honors, Awards:

- DFG-Research-Fellowship (1992-1994)

