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### SCIENTIFIC VITA:

- 1978-1981 Medizinische Fakultät, Westfälische-Wilhelms-Univ. Münster, Germany  
1981-1982 Southampton Medical School, Great Britain  
1982-1983 Medizinische Fakultät und Physiologisch-Chemisches Institut,  
Westfälische-Wilhelms-Universität Münster, Germany  
1983-1984 Glasgow Medical School, Cambridge Medical School and  
Oxford Medical School, Great Britain  
1984 3. Ärztl. Prüfung and " Approbation als Arzt"  
1984 Doctoral Thesis (M.D.): Physiologisch-Chemisches Institut, Westfälische-Wilhelms-  
Universität Münster, Germany, (Prof. K. von Figura), "Influence of amino acid  
analogues on maturation, transport and stability of cathepsin D in human skin  
fibroblasts  
02/85-07/85 Assistant Physician, Internal Medicine, St. Vinzenz Hospital,  
Rheda-Wiedenbrück, Germany  
08/85-07/87 Guest Researcher, National Institute of Child Health and Human Development, NIH,  
Bethesda, MD, USA  
08/87-04/89 Visiting Associate, National Institute of Child Health and Human Development, NIH,  
Bethesda, MD, USA  
since 05/89 Group Leader, European Molecular Biology Laboratory (EMBL), Heidelberg  
1989 Habilitation: Fakultät für Theoretische Medizin der Ruprecht-Karls-Universität  
Heidelberg für das Fach "Medizinische Molekularbiologie"; since 2003 "Privatdozent  
für Molekulare Medizin" an der Medizinischen Fakultät der Ruprecht-Karls-  
Universität Heidelberg  
03/96-06/05 Dean of Graduate Studies, European Molecular Biology Laboratory (EMBL)  
04/98-06/05 Senior Scientist, European Molecular Biology Laboratory (EMBL)  
01/01-06/05 Unit Coordinator "Training, Partnership & Endowment", European Molecular Biology  
Laboratory (EMBL)  
since 01/02 Co-Director "Molecular Medicine Partnership Unit", University of Heidelberg/EMBL,  
Heidelberg, Germany  
02/05-06/05 Co-Director "EMBL International Center for Advanced Training"  
since 03/05 Professor, Medical Faculty of the Ruprecht-Karls-University Heidelberg  
since 07/05 Associate Director, European Molecular Biology Laboratory (EMBL)

### AWARDS:

Elected Director of the International Biolron Society (IBIS) (2003), Elected Member of the  
"European Academy of Sciences" (2003), Gottfried Wilhelm Leibniz Prize of the German Research

Council (DFG) (2000), Elected member of "European Molecular Biology Organization" (1997), Deutsche Forschungsgemeinschaft: Postdoctoral fellowship (1985)

### **SELECTED PUBLICATIONS (since 2000)**

Galy B, Holter SM, Klopstock T, Ferring D, Becker L, Kaden S, Wurst W, Grone HJ, Hentze MW (2006). Iron homeostasis in the brain: complete iron regulatory protein 2 deficiency without symptomatic neurodegeneration in the mouse. **Nat Genet** 38, 967-969

Chekulaeva M, Hentze MW, Ephrussi A (2006). Bruno acts as a dual repressor of oskar translation, promoting mRNA oligomerization and formation of silencing particles. **Cell** 124, 521-533

Beckmann K, Grskovic M, Gebauer F, Hentze MW (2005). A dual inhibitory mechanism restricts msl-2 mRNA translation for dosage compensation in Drosophila. **Cell** 122, 529-540

Hentze MW, Muckenthaler M, Andrews NC (2004). Balancing acts: molecular control of mammalian iron metabolism. **Cell** 117, 285-297

Thoma C, Bergamini G, Galy B, Hundsdoerfer P, Hentze MW (2004). Enhancement of IRES-mediated translation of the c-myc and BiP mRNAs by the poly(A) tail is independent of intact eIF4G and PABP. **Mol Cell** 15, 925-935

Muckenthaler M, Roy CN, Custodio AO, Minana B, deGraaf J, Montross LK, Andrews NC, Hentze MW (2003). Regulatory defects in liver and intestine implicate abnormal hepcidin and Cybrd1 expression in mouse hemochromatosis. **Nat Genet** 34, 102-107

Preiss T, Baron-Benhamou J, Ansorge W, Hentze MW (2003). Homodirectional changes in transcriptome composition and mRNA translation induced by rapamycin and heat shock. **Nat Struct Biol** 10, 1039-1047

Gebauer F, Grskovic M, Hentze MW (2003). Drosophila sex-lethal inhibits the stable association of the 40S ribosomal subunit with msl-2 mRNA. **Mol Cell** 11, 1397-1404

Ostareck DH, Ostareck-Lederer A, Shatsky IN, Hentze MW (2001). Lipoygenase mRNA silencing in erythroid differentiation: the 3'UTR regulatory complex controls 60S ribosomal subunit joining. **Cell** 104, 281-290

Gehring, NH, Frede U, Neu-Yilik G, Hundsdoerfer P, Vetter B, Hentze MW, Kulozik AE (2001). Increased efficiency of 3' end formation: a novel genetic mechanism contributing to hereditary thrombophilia. **Nat Genet** 28, 389-392