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SCIENTIFIC VITA:

1962-1967 Humboldt-University in Berlin, study of Biology
1970 Ph.D. (Dr. rer. nat.), University of Berlin (summa cum laude)
1971-1972 Research Assistant, German Academy of Sciences in Berlin-Buch
1972-1980 Research Assistant, Max-Planck-Institute of Biochemistry in Munich
1977 Habilitation, Faculty of Biology, LMU Munich
1980-1984 Group leader, Institute of Biochemistry, University Würzburg
1985-1989 Professor for Molecular Biology in Würzburg
since 1989 Division Head at the DKFZ, Professor at the Faculty of Biology (Ruprecht-Karls-University)

AWARDS:

Gottfried Wilhelm Leibniz-Prize (1989)
Science Prize of the Fritz-Winter-Foundation (1991)

SCIENTIFIC INTERESTS

Mechanisms of transcriptional control,
Epigenetics in human disease
Cell cycle and growth control

SELECTED PUBLICATIONS (SINCE 2000)

Mayer C, Schmitz K, Grummt I, Santoro R (2006). Intergenic transcripts regulate the epigenetic state of rRNA genes. **Mol Cell** 22, 351-361

Mayer C, Bierhoff H, Grummt I (2005). The nucleolus as a stress sensor: JNK inactivates the transcription factor TIF-IA and down-regulates rRNA synthesis. **Genes Dev** (2005) 19, 933-941.

Yuan X, Zhou Y, Casanova E, Chai M, Kiss E, Grone H-J, Schutz G, Grummt I (2005). Genetic inactivation of the transcription factor TIF-IA leads to nucleolar disruption, cell cycle arrest and p53-mediated apoptosis. **Mol Cell** 19, 77-89

- Li J, Santoro R, Koberna K, Grummt I (2005). The chromatin remodeling complex NoRC controls replication timing of rRNA genes. **EMBO J** 24, 120-127
- Philimonenko VV, Zhao J, Iben S, Dingová H, Kyselá K, Zentgraf H, Hofmann W, de Lanerolle P, Hozák P, Grummt I (2004). Nuclear myosin I and actin are required for RNA polymerase I transcription. **Nat Cell Biol** 6, 1165-1172
- Mayer C, Zhao J, Yuan X, Grummt I (2004). mTOR-dependent activation of the transcription factor TIF-IA links rRNA synthesis to nutrient availability. **Genes Dev** 18, 423-434
- Zhao J, Yuan Y, Frodin M, Grummt I (2003). The activity of TIF-IA, a basal RNA polymerase I transcription factor, is regulated by MAP kinase-mediated signaling. **Mol Cell** 11, 405-413
- Santoro R, Li J, Grummt I (2002). The nucleolar remodeling complex NoRC mediates heterochromatin formation and silencing of ribosomal gene transcription. **Nat Genet** 32, 393-396
- Iben S, Tschochner H, Bier M, Hoogstraten D, Hozak P, Egly J-M, Grummt I (2002). TFIIF plays an essential role in polymerase I transcription. **Cell** 109, 297-306
- Santoro R, Grummt I (2001). Molecular mechanisms mediating methylation-dependent silencing of ribosomal gene transcription. **Mol Cell** 8, 719-725