

Prof. Dr. Elmar Schiebel



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20.03.1960, Rottemburg a/N

Professor

SCIENTIFIC VITA

1987 - 1989	Graduate work at the University of Tübingen and University College London, UK
1989 - 1991 USA	Postdoctoral research at the University of California, Los Angeles,
1992 - 1997 Martinsried	Group leader at the Max-Planck-Institute for Biochemistry,
1997	Habilitation at the Faculty of Chemistry and Pharmacy, LMU
1998 - 2002 Glasgow, UK	Group Leader at The Beatson Institute for Cancer Research,
2002 - 2005	Senior Group Leader at The Paterson Institute for Cancer Research, Manchester, UK
2004	Chair in Biochemistry at the LMU, Genzentrum (declined)
since August 2005	Full Professor of Molecular Biology, ZMBH, University of Heidelberg

AWARDS

1990: Promotionspreis of the German Association of Microbiology; 2004: Hooke Medal of the British Society for Cell Biology.

COORDINATING FUNCTIONS

Coordinator of Human Frontier of Science Program (HFSP) "Function of γ -tubulin complexes".

FIELDS OF INTEREST

Cell biology; cell cycle regulation; checkpoints; mitotic exit; mitotic exit network (MEN); Cdc14 phosphatase; functions of centrosomes and spindle pole bodies (SPBs); spindle assembly; kinetochores; chromatin.

FUNDED PROJECTS (current)

Human Resources and Mobility (HRM) Activity, Marie Curie Actions, Research Training Networks (RTNs); GRK1188 “Quantitative analysis of dynamic processes in membrane trafficking”; SFB/Transregio5 “Chromatin: Assembly and inheritance of functional states”.

Direct supervision of so far 8 graduate students.

PUBLICATIONS (10 selected recent publications):

Pereira, G., and **Schiebel, E.** 2005. Kin4 kinase delays mitotic exit in response to spindle alignment defects. *Mol. Cell* **19**: 209-221.

Fischer, T., Rodríguez-Navarro, S., Pereira, G., Rácz, A., **Schiebel, E.** and Hurt, E. 2004. Yeast centrin Cdc31 is linked to the nuclear mRNA export machinery. *Nat. Cell Biol.* **6**: 840-848.

Maekawa, H., and **Schiebel, E.** 2004. Cdk1-Clb4 controls the interaction of astral microtubule plus ends with sub-domains of the daughter cell cortex. *Genes Dev.* **18**: 1709-1724.

Pereira, G. and **Schiebel, E.** 2003. Separase regulates INCENP-Aurora B anaphase spindle function through Cdc14. *Science* **302**: 2120-2124.

Maekawa, H., Usui, T., Knop, M. and **Schiebel, E.** 2003. Yeast Cdk1 translocates to the plus end of cytoplasmic microtubules to regulate bud cortex interactions. *EMBO J.* **22**: 438-449.

Höfken, T. and **Schiebel, E.** 2002. A role for cell polarity proteins in mitotic exit. *EMBO J.* **21**: 4851-4862.

Pereira, G., Manson, C. Grindlay, J. and **Schiebel, E.** 2002. Regulation of the Bfa1p-Bub2p complex at spindle pole bodies by the cell cycle phosphatase Cdc14p. *J. Cell Biol.* **157**: 367-379.

Tanaka, T.U., Rachidi, N., Janke, C., Pereira, G., Galova, M., **Schiebel, E.**, Stark, M.J.R. and Nasmyth, K. 2002. Evidence that the Ipl1-Sli15 (Aurora kinase-INCENP) complex promotes chromosome bi-orientation by altering kinetochore-spindle pole connections. *Cell* **108**: 317-329.

Pereira, G., Tanaka, T.U., Nasmyth, K., and **Schiebel, E.** 2001. Modes of spindle pole body inheritance and segregation of the Bfa1p/Bub2p checkpoint protein complex. *EMBO J.* **20**: 6359-6370.

Pereira, G., Höfken, T., Grindlay, J., Manson, C., and **Schiebel, E.** 2000. The Bub2p spindle checkpoint links nuclear migration with mitotic exit. *Mol. Cell* **6**: 1-10.