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# Seminars in Genetics and Molecular Cell Biology

**Heike Rampelt**

Zentrum für Molekulare Biologie  
der Universität Heidelberg

## **The role of the nucleotide exchange factor Hsp110 in Hsp70 chaperone function**

Hsp70 chaperones together with their co-chaperones are central components of the protein quality control system since they help proteins in a wide variety of cellular contexts to attain, protect or restore their native conformation. Hsp110 proteins, eukaryotic members of the Hsp70 superfamily which share their overall structure with canonical Hsp70 chaperones, in fact assume the role of nucleotide exchange factors (NEFs) for Hsp70s and may contribute to folding events additionally by direct interaction with substrates. We investigated the questions how these unusual NEFs facilitate nucleotide exchange and how they affect the Hsp70system *in vitro* and *in vivo*.

**Monday, September 17, 2012 at 1.00 p. m.**

Institute for Genetics,  
Zülpicher Str. 47 a, Lecture hall, 4th floor

Host: Thomas Langer, Institute for Genetics,  
University of Cologne