

SFB 960-/BZR – Kolloquium  
Dienstag, 20.11.2018, 17:00 Uhr  
H 53 (Neubau Biologie)



## Prof. Dr. Markus Wahl

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### ***“Molecular mechanism of an all-purpose transcription antitermination protein”***

The Structural Biochemistry group investigates the molecular mechanisms, by which RNAs and proteins cooperate to bring about the biological functions of ribonucleoprotein complexes (RNPs; for an example see Figure). RNPs include some of the most complex macromolecular machineries of living cells, such as ribosomes and spliceosomes, which constitute fascinating objects to study the interplay of molecular conformation and biological function. Furthermore, RNPs act at the heart of numerous fundamental cellular processes, including virtually every aspect of gene expression and control. Finally, RNPs provide glimpses at the molecular ancestry of modern cells, which most likely evolved from an RNA-dominated world. Ultra-structural analysis of molecular RNP machines and their components using X-ray crystallography provides deep insights into their molecular mechanisms and suggests novel routes for their functional analysis.

Host: Prof. Dr. Gunter Meister, Biochemistry I [gunter.meister@ur.de](mailto:gunter.meister@ur.de)



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