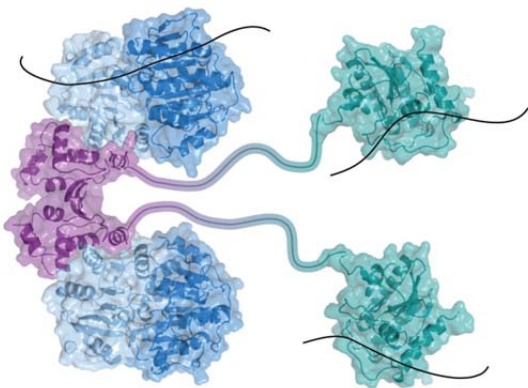


SFB 960-/BZR – Kolloquium

02. August 2016, 17.00 Uhr
H53



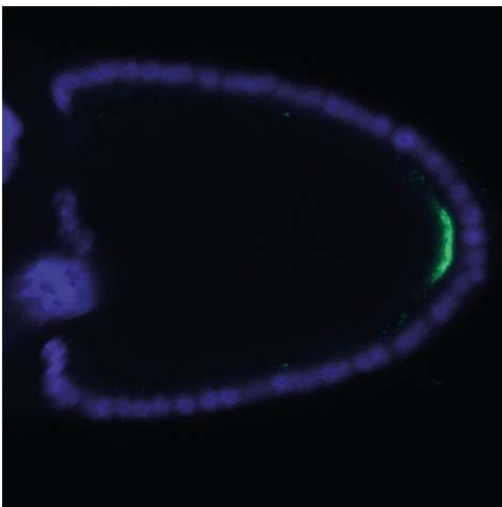
Dr. Mandy Jeske

European Molecular Biology
Laboratory (EMBL) Heidelberg

Exploring molecular mechanisms in the germ plasm

Germ cells are an integral part of sexual reproduction. To segregate the germline from soma, during early development many animals assemble a specialized cytoplasm, which is called germ plasm. The molecular mechanisms that take place in the germ plasm are poorly understood.

In her talk Mandy Jeske from the EMBL in Heidelberg will discuss molecular functions of the *Drosophila* germ plasm nucleation protein Oskar. She will present the recently solved crystal structures of Oskar and discuss activities of previously uncharacterized protein domains. Furthermore, she will address the molecular functions of Vasa, a germline specific DEAD-box RNA helicase involved in the secondary piRNA pathway, and how a novel class of protein domains regulates Vasa's enzymatic activity.



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