

SFB 960-/BZR – Kolloquium

7. Juli 2015, 17.00 Uhr
H53



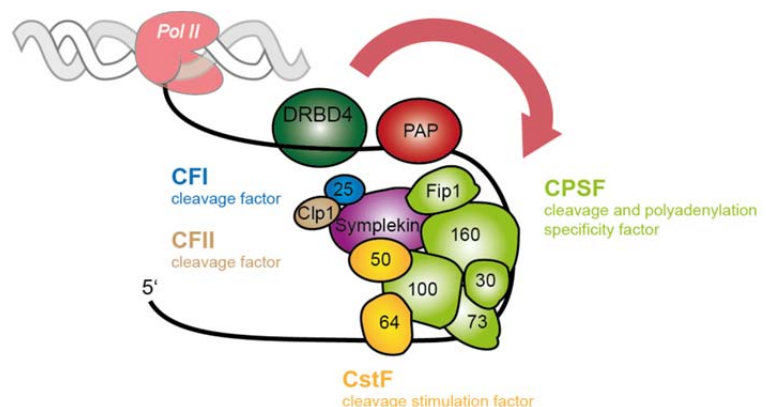
Dr. Christian Preusser

Justus-Liebig-University Giessen

Characterization of the polyadenylation complex in the human parasite *Trypanosoma brucei*

Parasitic trypanosomes use a unique mechanism to produce mature mRNAs that involves coupled *trans* splicing and polyadenylation. In other eukaryotes, both splicing and polyadenylation are well characterized in the identity of the components catalyzing the reactions, the reaction mechanisms, and the dynamics.

Although studies in the last decades identified many factors of the trypanosomatid spliceosomal complexes, most of the individual constituents of the 3' end processing machinery still remain elusive. Christian has worked extensively on the identification of such factors and has characterized a number of proteins that are involved in 3' end processing in trypanosomes. In his talk he will present the latest findings on the 3' end processing and polyadenylation machinery in trypanosomes.



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