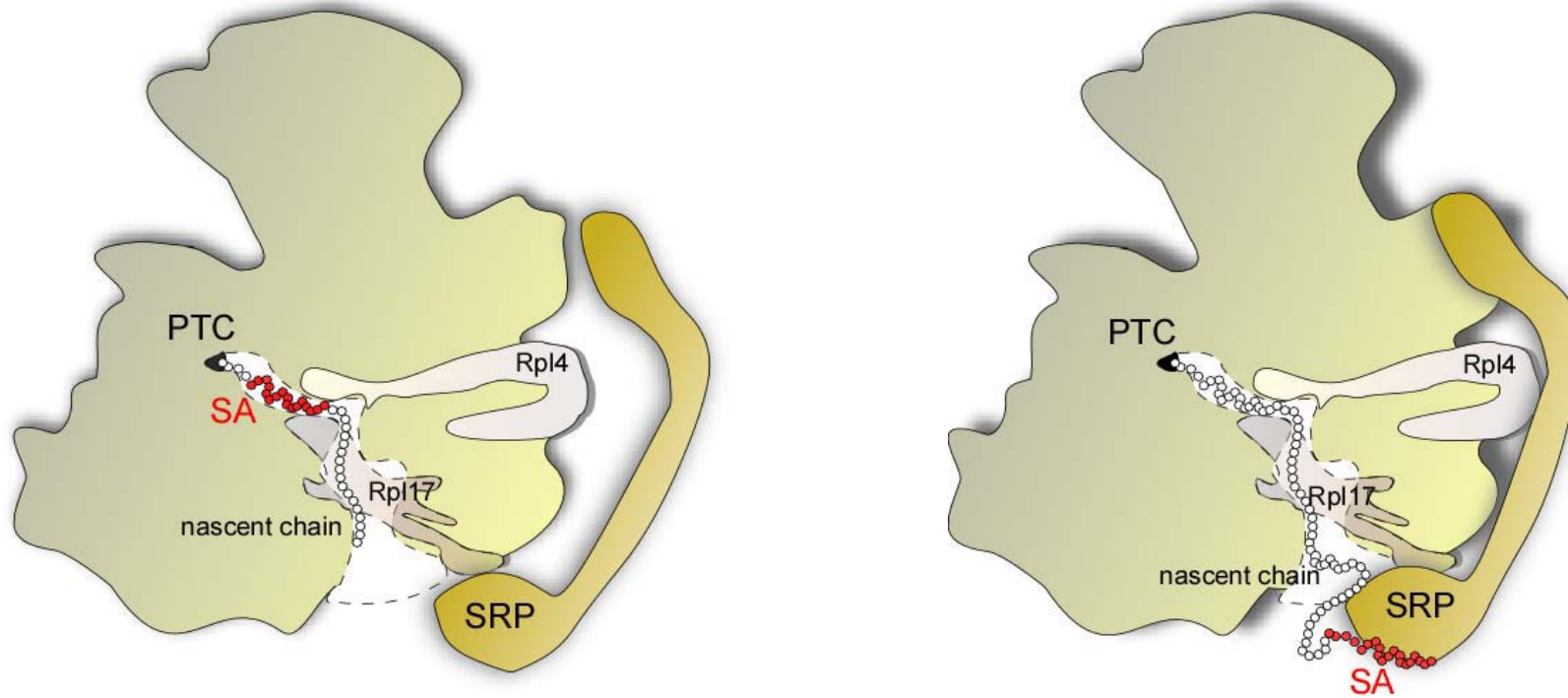


Signaling from within the ribosomal polypeptide tunnel

How do specific nascent chains inside and outside of the ribosomal tunnel affect the interplay with RPBs?



Few basics and open questions ...

We have recently found that a hydrophobic signal anchor sequence (SA) within the ribosomal tunnel can affect the interaction of **SRP** with ribosomes. This finding suggests an intra-ribosomal signaling from the tunnel to regions of the ribosome which are involved in **RPB** binding. How the SA induces structural changes and which are the components inside the tunnel involved in the signal transduction is currently not understood.