

# RCB – Kolloquium

Dienstag, 21. April 2026  
Neubau Biologie H 53

14.00 Uhr



## PD Dr. Jürgen Lassak

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Fakultät für Biologie, Mikrobiologie

*Constant trouble with proline:  
Navigating a global translation problem*

Proline is a paradox in biology. On the one hand, it's essential for protein structure and function. On the other hand, it poses major challenges during translation. What's particularly fascinating is how bacteria deal with this problem. Evolutionary pressure has led them to develop a whole set of specialized translation factors that help the ribosome handle proline and overcome stalling. This interplay between proline and its rescue systems doesn't just safeguard protein synthesis—it has also shaped the evolution of bacterial proteomes.

Host: Prof. Dr. Reinhard Sterner  
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