Institute of Molecular Biology

IMB TechTalk

Dr. Klaus Herick

ChromoTek

"Smaller is better – ChromoTek's Nanobodies for Immunoprecipitation, ChIP, MS, and Imaging"

19 Feb 2018, 11:00 (*s.t.*)

Venue: IMB Seminar Room, 2nd Floor

Institute of Molecular Biology (IMB)

Johannes Gutenberg University Campus Mainz

All are welcome to attend.

Institute of Molecular Biology

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Abstract:

Smaller is better – ChromoTek's Nanobodies for Immuno-precipitation, ChIP, MS, and Imaging

ChromoTek's Alpaca nanobody tools are based on single-domain antibodies. Their extremely small size, conformational epitope coverage, nano- to picomolar binding affinity and protein stability make them ideal tools for a variety of biochemical experiments. ChromoTek's nanobodies are sequenced, re-combinant, monoclonal and have validated binding characteristics. We will address the following topics:

- Properties of Nanobodies
- Immunoprecipitation: fast, clean and efficient IPs
- How to choose the right tag for your proteins
- Tips and tricks for performing immunoprecipitations and applying alpaca nanobody reagents
- Super-resolution microscopy: just 2 nm distance to target
- Live-cell imaging: visualize endogenous cellular proteins in real-time