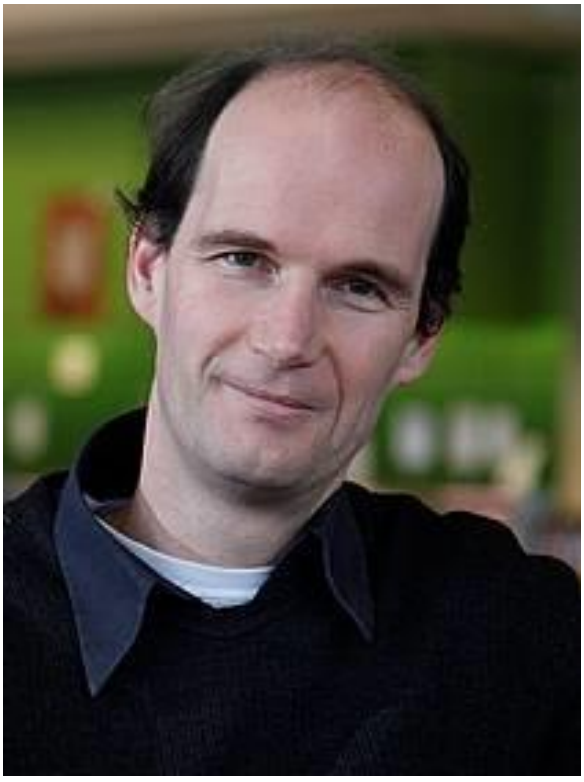
NUS National University of Singapore | Department of Biological Sciences, Faculty of Science

BIOLOGY COLLOQUIUM

Friday, 25 Nov 2016 | 4pm | DBS Conference Room 1

Hosted by A/P Christoph Winkler

RNA biology and its link to human diseases



By **Utz Fischer**

Professor, Theodor-Boveri-Institute, Biocenter, University of Wuerzburg, Germany

Utz Fischer's research focuses on the interface of RNA biology and human diseases. His group uses a broad spectrum of techniques, ranging from structural biology, functional biochemistry to animal models to investigate how defects in RNA-mediated processes lead to disorders. His group co-discovered the SMN complex, the first known machinery implicated in the assembly of RNA-protein complexes and elucidated its role in the neuromuscular disorder "spinal muscular atrophy". Prof. Fischer studies also include the molecular investigation of other diseases linked to RNA biology such as the eye disease retinitis pigmentosa, and autism spectrum disorders.

Artwork by Ann Nee, DBS, NUS