



## DR. NEVA CALISKAN

### Junior Group Leader

Helmholtz Institute for RNA-based Infection Research (HIRI)  
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#### Education

2013 Dr. rer. nat., Max Planck Institute for Biophysical Chemistry (MPI-BPC), Göttingen, Germany  
2009 MSc, Max Planck Research School for Molecular Biology, University of Göttingen, Germany  
2006 BSc, Molecular Biology and Genetics, Middle East Technical University (METU), Ankara, Turkey

#### Positions

2018 - present Junior Group Leader & Junior Professor (W1), Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany  
2015 - 2017 Project Leader, Department of Physical Biochemistry, MPI-BPC, Göttingen, Germany  
2013 - 2015 Postdoc, Department of Physical Biochemistry, MPI-BPC, Göttingen, Germany  
2008 - 2009 Graduate Teaching Assistant, Department Molecular Cell Biology, MPI-BPC, Göttingen, Germany

#### Committee Work

2019 - present Coordinator, Membership Spotlight Series, RNA Society  
2018 - present Coordinator Würzburg RNA Salon, RNA Society  
2018 - present Co-organizer, RNA Biology intensive course, HIRI /HZI

#### Awards & Honors

Schering Stiftung Advisory Network Member (2019), Young Leaders in Science Training Program Award from Schering Foundation (2018), Scholarship from the Excellence Foundation for the Promotion of the Max Planck Society (2007), Scholarship from the Scientific and Technological Research Council of Turkey (2006)

#### Selected Publications

Bock LV\*, Caliskan N\*, Korniy N, Peske F, Rodnina MV, Grubmüller H (2019)  
*Thermodynamic control of -1 programmed ribosomal frameshifting*  
**Nature Communications** 10(1): 4598  
(\*shared first authors)

Matsumoto S, Caliskan N, Rodnina MV, Murata A, Nakatani K (2018)  
*Small synthetic molecule-stabilized RNA pseudoknot as an activator for -1 ribosomal frameshifting*  
**Nucleic Acids Res** 46(16): 8079-8089

Caliskan N, Wohlgemuth I, Korniy N, Pearson M, Peske F, and Rodnina MV (2017)  
*Conditional switch between frameshifting regimes upon translation of dnaX mRNA*  
**Molecular Cell** 66(4): 558-567

Caliskan N, Peske F, and Rodnina MV (2015)  
*Changed in translation: mRNA recoding by -1 programmed ribosomal frameshifting*  
**Trends in Biochemical Sciences** 40(5): 265-274

Caliskan N, Katunin V, Belardinelli R, Peske F, and Rodnina MV (2014)  
*Programmed -1 frameshifting by kinetic partitioning during impeded translocation*  
**Cell** 157(7): 1619-1631