

DR. NEVA CALISKAN

Junior Group Leader

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Education

- 2013 PhD, 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 Postdoctoral Researcher, Department of Physical Biochemistry, MPI-BPC, Göttingen, Germany
- 2008 - 2009 Graduate Teaching Assistant, Department Molecular Cell Biology, MPI-BPC, Göttingen, Germany
- 2005 Trainee, Developmental Biology Unit, EMBL Heidelberg, Germany

Committee Work

- 2011 - 2013 Department Representative, Max Planck Institute PhD community
- 2009 - 2011 Organization Committee and Coordinator of Speakers Group, International PhD Symposium-Horizons in Molecular Biology

Awards & Honors

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

- 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
- Belardinelli R, Sharma H, Caliskan N, Peske F, Wintermeyer W and Rodnina MV (2016)
Choreography of molecular movements during ribosome progression along the mRNA
Nature Structural and Molecular Biology 23(4):342-8
- 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):1619-31