

Jun-Prof. Dr. Neva Caliskan

Junior Group Leader

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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 Professor (W1), Faculty of Medicine, University of Würzburg, Germany
2018 - present	Junior Group Leader, 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

2022 - present	Elected Member of Scientists Council / Wissenschaftler-Kollegium (WISKO), Helmholtz Centre for Infection Research (HZI), Braunschweig, Germany
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 Graduate Program "RNA & Infection"

Awards & Honors

Zonta Science Prize (2021), ERC Starting Grant (2020), 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

- Pekarek L, Zimmer MM*, Gribling-Burrer AS*, Buck S*, Smyth R#, **Caliskan N**# (2023)
Cis-mediated interactions of the SARS-CoV-2 frameshift RNA alter its conformations and affect function
Nucleic Acids Research 51(2):728-743
- Zimmer MM*, Kibe A*, Rand U, Pekarek L, Ye L, Buck S, Smyth RP, Cicin-Sain L, **Caliskan N** (2021)
The short isoform of the host antiviral protein ZAP acts as an inhibitor of SARS-CoV-2 programmed ribosomal frameshifting
Nature Communications 12(1):7193
- Hill CH*#, Pekarek L*, Napthine S*, Kibe A, Firth AE, Graham SC#, **Caliskan N**, Brierley I# (2021)
Structural and molecular basis for Cardiovirus 2A protein as a viral gene expression switch
Nature Communications 12(1):7166
- **Caliskan N**, Wohlgemuth I, Korniy N, Pearson M, Peske F, Rodnina MV (2017)
Conditional switch between frameshifting regimes upon translation of dnaX mRNA
Molecular Cell 66(4):558-567
- **Caliskan N**, Katunin VI, Belardinelli R, Peske F, Rodnina MV (2014)
Programmed -1 frameshifting by kinetic partitioning during impeded translocation
Cell 157(7):1619-1631