

# RNA

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## CONTENTS

### Perspective

- The limits of human microRNA annotation have been met 781  
*Bastian Fromm, Xiangfu Zhong, Marcel Tarbier, Marc R. Friedländer, and Michael Hackenberg*

### Bioinformatics

- FISH-quant v2: a scalable and modular tool for smFISH image analysis 786<sup>OA</sup>  
*Arthur Imbert, Wei Ouyang, Adham Safieddine, Emeline Coleno, Christophe Zimmer, Edouard Bertrand, Thomas Walter, and Florian Mueller*

### Articles

- Plasticity and conditional essentiality of modification enzymes for domain V of *Escherichia coli* 23S ribosomal RNA 796  
*Josefine Liljeruhm, Margus Leppik, Letian Bao, Triin Truu, Maria Calvo-Noriega, Nicola S. Freyer, Aivar Liiv, Jinfan Wang, Rubén Crespo Blanco, Rya Ero, Jaanus Remme, and Anthony C. Forster*
- The interplay between translational efficiency, poly(A) tails, microRNAs, and neuronal activation 808<sup>OA</sup>  
*Timothy J. Eisen, Jingyi Jessica Li, and David P. Bartel*
- Thermodynamic characterization of naturally occurring RNA pentaloops 832  
*Md. Sharear Saon and Brent M. Znosko*
- Evolutionary divergence of *Firre* localization and expression 842  
*Christian Much, Michael J. Smallegan, Taeyoung Hwang, Skylar D. Hanson, Gabrijela Dumbović, and John L. Rinn*
- Reversing the miRNA -5p/-3p stoichiometry reveals physiological roles and targets of miR-140 miRNAs 854  
*Cameron Young, Melissa Caffrey, Christopher Janton, and Tatsuya Kobayashi*

(continued)

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Cover Illustration: Dicer-related helicase 3 (DRH-3) C-terminal domain with dsRNA (PDB id: 6M6R; Li K, Zheng J, Wirawan M, Trinh NM, Fedorova O, Griffin PR, Pyle AM, Luo D. 2021. Insights into the structure and RNA-binding specificity of *Caenorhabditis elegans* Dicer-related helicase 3 [DRH-3]. *Nucleic Acids Res* **49**: 9978–9991). *C. elegans* dicer-related helicase 3 (DRH-3) is critically involved in germline development and RNA interference (RNAi) facilitated chromosome segregation. The C-terminal domain preferentially recognizes 5'-triphosphorylated double-stranded RNAs bearing the typical features of secondary siRNA transcripts. RNA backbone is displayed as a red ribbon; block bases use NDB colors: C—yellow, G—green; protein is displayed as a gold ribbon. Cover image provided by the Nucleic Acid Database (ndbserver.rutgers.edu). Image generated using DSSR and PyMOL (Lu XJ. 2020. *Nucleic Acids Res* **48**: e74).

**Contents** (continued)

<b>Ligands with polyfluorophenyl moieties promote a local structural rearrangement in the Spinach2 and Broccoli aptamers that increases ligand affinities</b>	865
<i>Sharif Anisuzzaman, Ivan M. Geraskin, Muslum Ilgu, Lee Bendickson, George A. Kraus, and Marit Nilsen-Hamilton</i>	
<b>ZFC3H1 And U1-70K promote the nuclear retention of mRNAs with 5' splice site motifs within nuclear speckles</b>	878 <sup>OA</sup>
<i>Eliza S. Lee, Harrison W. Smith, Eric J. Wolf, Aysegul Guvenek, Yifan E. Wang, Andrew Emili, Bin Tian, and Alexander F. Palazzo</i>	
<b>Methods</b>	
<b>Mito-FUNCAT-FACS reveals cellular heterogeneity in mitochondrial translation</b>	895
<i>Yusuke Kimura, Hironori Saito, Tatsuya Osaki, Yasuhiro Ikegami, Taisei Wakigawa, Yoshiho Ikeuchi, and Shintaro Iwasaki</i>	
<b>Global SLAM-seq for accurate mRNA decay determination and identification of NMD targets</b>	905 <sup>OA</sup>
<i>Hanna Alalam, Jorge A. Zepeda-Martínez, and Per Sunnerhagen</i>	
<b>RNA: Instructions for contributors</b>	916

<sup>OA</sup>Open Access paper