

RNA

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CONTENTS

Communications

- Deciphering the influence of the [4Fe–4S] cluster of tRNA thiolation enzymes on tRNA binding** 735
Sylvain Gervason, Sambuddha Sen, Jean-Luc Ravanat, Sylvain Caillat, Djemel Hamdane, and Béatrice Golinelli-Pimpaneau

Review

- Dissecting the stress granule RNA world: dynamics, strategies, and data** 743^{OA}
Giulia Biancon, Emma Busarello, Matthew Cheng, Stephanie Halene, and Toma Tebaldi

RNA and Gene Expression

- Terminal nucleotidyltransferase Tent2 microRNA A-tailing enzyme regulates excitatory/inhibitory balance in the hippocampus** 756^{OA}
Patrycja Wardaszka-Pianka, Bozena Kuzniewska, Natalia Guminska, Anna Hojka-Osinska, Monika Puchalska, Jacek Milek, Aleksandra Stawikowska, Pawel Krawczyk, Francois P. Pauzin, Tomasz Wojtowicz, Kasia Radwanska, Clive R. Bramham, Andrzej Dziembowski, and Magdalena Dziembowska

- Repression of AGO1 by AGO2 via let-7 microRNAs facilitates embryonic stem cell differentiation** 772
Gabrielle M. Schuh, Katharine R. Maschhoff, Annastasia Minor, and Wenqian Hu

- Inconsistencies in the published rabbit ribosomal rRNAs: a proposal for uniformity in sequence and site numbering** 781^{OA}
Swastik De, Michelle Zhou, Zuben P. Brown, Raymond N. Burton-Smith, Yaser Hashem, Tatyana V. Pestova, Christopher U.T. Hellen, and Joachim Frank

- Natural human tRNA^{Ala} anticodon variants mistranslate the genetic code** 791
Rasangi Tennakoon, Teija M.I. Bily, Farah Hasan, Kyle S. Hoffman, and Patrick O'Donoghue

(continued)

*Cover Illustration: Structure of a group II intron ribonucleoprotein in the pre-ligation state (PDB id: 8T2R; Xu L, Liu T, Chung K, Pyle AM. 2023. Structural insights into intron catalysis and dynamics during splicing. Nature **624**: 682–688). The pre-ligation complex of the Agathobacter rectalis group II intron reverse transcriptase/maturase with intron and 5'-exon RNAs makes it possible to construct a picture of the splicing active site. The intron is depicted by a green ribbon, with bases and Watson-Crick base pairs represented as color-coded blocks: A/A-U in red, C/C-G in yellow, G/G-C in green, U/U-A in cyan; the 5'-exon is shown by white spheres and the protein by a gold ribbon. Cover image provided by X3DNA-DSSR, an NIGMS National Resource for structural bioinformatics of nucleic acids (R24GM153869; skmatics.x3dna.org). Image generated using DSSR and PyMOL (Lu X.J. 2020. Nucleic Acids Res **48**: e74).*

A dual effect of FUBP1 on SPA lncRNA maturation	807
<i>Zheng-Hu Yang, Fang Nan, Guang Xu, Huang Wu, Meng-Yuan Wei, Li Yang, Ling-Ling Chen, and Hao Wu</i>	
RNA-binding protein Miso/CG44249 is crucial for minor splicing during oogenesis in <i>Drosophila</i>	822 ^{OA}
<i>Yuki Taira, Li Zhu, and Ryuya Fukunaga</i>	
Constructing an active chimeric pRNA ring with a stoichiometry of six and identifying 12 domains of the pRNA ring binding to the 12-subunit channel of phi29 DNA-packaging motor	836
<i>Margaret Bohmer, Daniel W. Binzel, Wen Zhang, and Peixuan Guo</i>	
tRNA pseudouridine synthase D (TruD) from <i>Thermus thermophilus</i> modifies U13 in tRNA^{Asp}, tRNA^{Glu}, and tRNA^{Gln} and U35 in tRNA^{Tyr}	850
<i>Ryota Yamagami, Kojiro Takahashi, Shogo Shingu, Miyu Namba, Kohsuke Kamizaki, and Hiroyuki Hori</i>	
Corrigendum	
Corrigendum: An incredible life in science: Joseph G. Gall (1928–2024)	868
<i>Svetlana Deryusheva, Ji-Long Liu, Zehra F. Nizami, Gaëlle J.S. Talross, and Susan A. Gerbi</i>	
RNA: Instructions for contributors	869

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