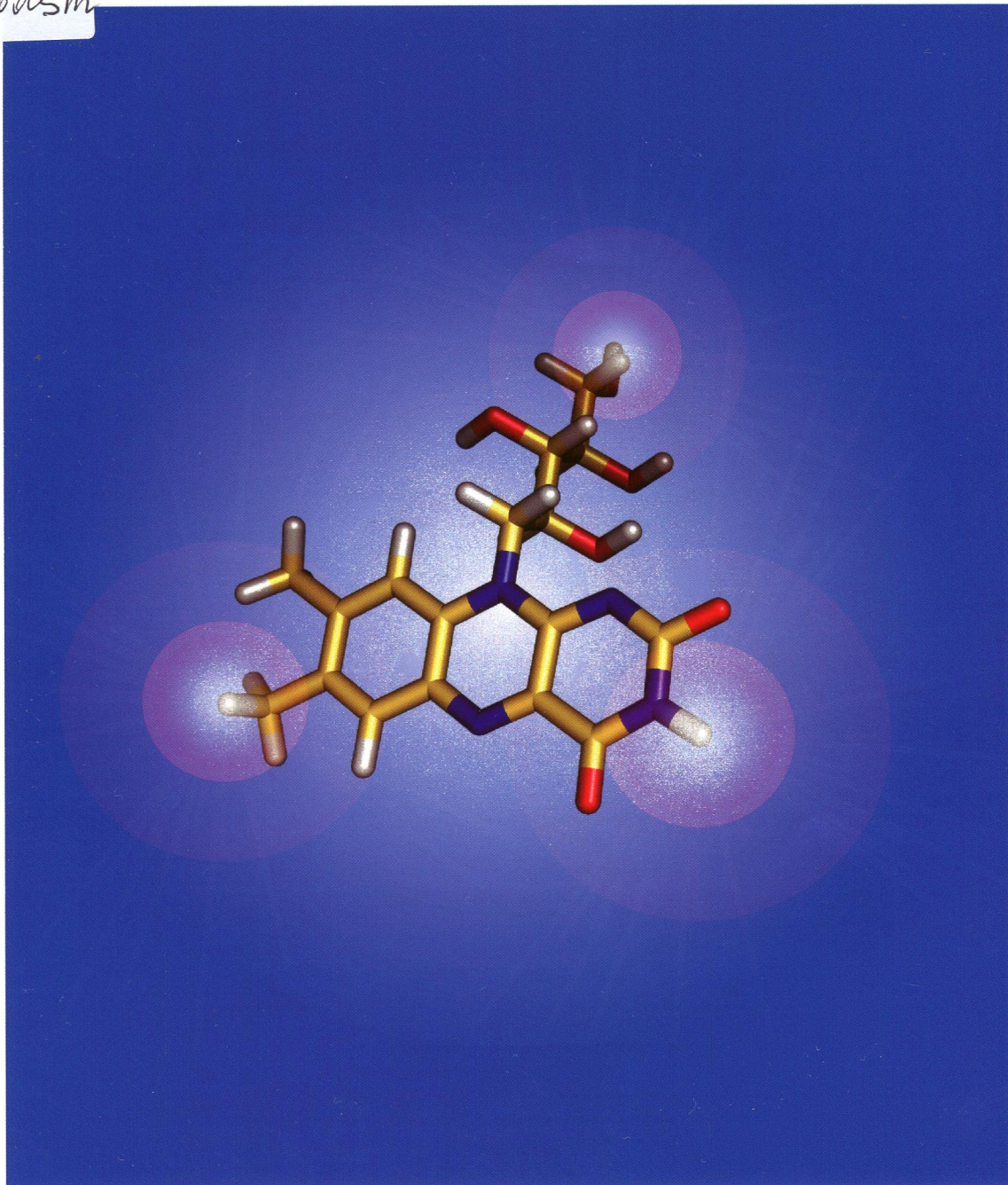


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TABLE OF CONTENTS

COMMENTARY

- Lability and Liability of Endogenous Copper Pools F. Wayne Outten, George P. Munson 4553–4555

ARTICLES

- Copper Efflux Is Induced during Anaerobic Amino Acid Limitation in *Escherichia coli* To Protect Iron-Sulfur Cluster Enzymes and Biogenesis Danny Ka Chun Fung, Wai Yin Lau, Wing Tat Chan, Aixin Yan 4556–4568
- How *Escherichia coli* Tolerates Profuse Hydrogen Peroxide Formation by a Catabolic Pathway Sripriya Ravindra Kumar, James A. Imlay 4569–4579
- ExbB Cytoplasmic Loop Deletions Cause Immediate, Proton Motive Force-Independent Growth Arrest Charles M. Bulathsinghala, Bimal Jana, Kristin R. Baker, Kathleen Postle 4580–4591
- Nitrite Reductase NirBD Is Induced and Plays an Important Role during *In Vitro* Dormancy of *Mycobacterium tuberculosis* Shamim Akhtar, Arshad Khan, Charles D. Sohaskey, Chinnaswamy Jagannath, Dhiman Sarkar 4592–4599
- The Putative Enoyl-Coenzyme A Hydratase DspI Is Required for Production of the *Pseudomonas aeruginosa* Biofilm Dispersion Autoinducer *cis*-2-Decenoic Acid Diana T. Amari, Cláudia N. H. Marques, David G. Davies 4600–4610
- Identification and Characterization of RibN, a Novel Family of Riboflavin Transporters from *Rhizobium leguminosarum* and Other Proteobacteria Víctor A. García Angulo, Hernán R. Bonomi, Diana M. Posadas, María I. Serer, Alfredo G. Torres, Ángeles Zorreguieta, Fernando A. Goldbaum 4611–4619
- Deciphering the Interplay between Two Independent Functions of the Small RNA Regulator SgrS in *Salmonella* Divya Balasubramanian, Carin K. Vanderpool 4620–4630
- Functionally Essential Interaction between *Yersinia* YscO and the T3S4 Domain of YscP Romila Mukerjee, Partho Ghosh 4631–4638
- Structure-Function Analysis of MurJ Reveals a Solvent-Exposed Cavity Containing Residues Essential for Peptidoglycan Biogenesis in *Escherichia coli* Emily K. Butler, Rebecca M. Davis, Vase Bari, Paul A. Nicholson, Natividad Ruiz 4639–4649
- Staphylococcus aureus* Mutants Lacking the LytR-CpsA-Psr Family of Enzymes Release Cell Wall Teichoic Acids into the Extracellular Medium Yvonne G. Y. Chan, Matthew B. Frankel, Vanina Dengler, Olaf Schneewind, Dominique Missiakas 4650–4659
- Evidence for Benzylsuccinate Synthase Subtypes Obtained by Using Stable Isotope Tools Steffen Kümmel, Kevin Kuntze, Carsten Vogt, Matthias Boll, Johann Heider, Hans H. Richnow 4660–4667
- Characterization of IntA, a Bidirectional Site-Specific Recombinase Required for Conjugative Transfer of the Symbiotic Plasmid of *Rhizobium etli* CFN42 Rogelio Hernández-Tamayo, Christian Sohlenkamp, José Luis Puente, Susana Brom, David Romero 4668–4677
- The MerR-Like Regulator BrIR Impairs *Pseudomonas aeruginosa* Biofilm Tolerance to Colistin by Repressing PhoPQ Jacob R. Chambers, Karin Sauer 4678–4688
- Control of the *Escherichia coli* Sialoregulon by Transcriptional Repressor NanR Kathryn A. Kalivoda, Susan M. Steenbergen, Eric R. Vimr 4689–4701
- A Novel Protein Protects Bacterial Iron-Dependent Metabolism from Nitric Oxide Andrew M. Stern, Binbin Liu, Lars R. Bakken, James P. Shapleigh, Jun Zhu 4702–4708
- Mapping of the SecA Signal Peptide Binding Site and Dimeric Interface by Using the Substituted Cysteine Accessibility Method Meera K. Bhanu, Ping Zhao, Debra A. Kendall 4709–4715

Acrylyl-Coenzyme A Reductase, an Enzyme Involved in the Assimilation of 3-Hydroxypropionate by <i>Rhodobacter sphaeroides</i>	Marie Asao, Birgit E. Alber	4716–4725
FeoC from <i>Klebsiella pneumoniae</i> Contains a [4Fe-4S] Cluster	Kuang-Lung Hsueh, Liang-Kun Yu, Yung-Han Chen, Ya-Hsin Cheng, Yin-Cheng Hsieh, Shyue-chu Ke, Kuo-Wei Hung, Chun-Jung Chen, Tai-huang Huang	4726–4734
The D3 Bacteriophage α -Polymerase Inhibitor (Iap) Peptide Disrupts O-Antigen Biosynthesis through Mimicry of the Chain Length Regulator Wzz in <i>Pseudomonas aeruginosa</i>	Véronique L. Taylor, Molly L. Udaskin, Salim T. Islam, Joseph S. Lam	4735–4741
Physiological and Transcriptional Responses to Osmotic Stress of Two <i>Pseudomonas syringae</i> Strains That Differ in Epiphytic Fitness and Osmotolerance	Brian C. Freeman, Chiliang Chen, Xilan Yu, Lindsey Nielsen, Kelly Peterson, Gwyn A. Beattie	4742–4752
Roles of HynAB and Ech, the Only Two Hydrogenases Found in the Model Sulfate Reducer <i>Desulfovibrio gigas</i>	Fabio O. Morais-Silva, Catia I. Santos, Rute Rodrigues, Inês A. C. Pereira, Claudina Rodrigues-Pousada	4753–4760
Library Screen Identifies <i>Enterococcus faecalis</i> CcpA, the Catabolite Control Protein A, as an Effector of Ace, a Collagen Adhesion Protein Linked to Virulence	Peng Gao, Kenneth L. Pinkston, Agathe Bourgogne, Melissa R. Cruz, Danielle A. Garsin, Barbara E. Murray, Barrett R. Harvey	4761–4768
Transposon Mutagenesis Identified Chromosomal and Plasmid Genes Essential for Adaptation of the Marine Bacterium <i>Dinoroseobacter shibae</i> to Anaerobic Conditions	Matthias Ebert, Sebastian Laaß, Melanie Burghartz, Jörn Petersen, Sebastian Koßmehl, Lars Wöhlbrand, Ralf Rabus, Christoph Wittmann, Petra Tielen, Dieter Jahn	4769–4777
AUTHOR'S CORRECTION		
Cyclic Di-GMP Modulates the Disease Progression of <i>Erwinia amylovora</i>	Adam C. Edmunds, Luisa F. Castiblanco, George W. Sundin, Christopher M. Waters	4778

Cover photograph (Copyright © 2013, American Society for Microbiology. All Rights Reserved.): Riboflavin (vitamin B₂) is the precursor of flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD), which are essential cofactors in all living cells. Riboflavin is implicated in the infection processes of several microorganisms. The characterization of RibN from *Rhizobium leguminosarum* provides the first experimental evidence for (i) riboflavin transport in Gram-negative bacteria and (ii) the participation of a flavin transporter in the infectivity process. The study of other RibN homologs suggests that they may constitute a new family of riboflavin transporters in proteobacteria. (See related article on page 4611.)