

The Journal of Biological Chemistry

This issue was available in electronic form on January 20, 2006. www.jbc.org
Copyright © 2006 by the American Society for Biochemistry and Molecular Biology, Inc
9650 Rockville Pike, Bethesda, MD 20814 U.S.A.

TABLE OF CONTENTS

CONTENTS ARE ARRANGED BY SUBJECT CATEGORIES

Full Instructions to Authors are found on the web at www.jbc.org

JBCA3 281(4) 1853–2400 (2006)

CLASSICS

- **Unraveling the Enzymology of Oxidative Phosphorylation: the Work of Efraim Racker**
<http://www.jbc.org/cgi/content/full/281/4/e4>

MINIREVIEW

- 1853 **Intrinsic Protein Disorder, Amino Acid Composition, and Histone Terminal Domains.** Jeffrey C. Hansen, Xu Lu, Eric D. Ross, and Robert W. Woody

DNA: REPLICATION, REPAIR, AND RECOMBINATION

- 2000 **Involvement of Vertebrate Pol κ in Translesion DNA Synthesis across DNA Monoalkylation Damage.** Katsuya Takenaka, Tomoo Ogi, Takashi Okada, Eiichiro Sonoda, Caixia Guo, Errol C. Friedberg, and Shunichi Takeda
- 2087 **Effect of Mg²⁺ on the DNA Binding Modes of the *Streptococcus pneumoniae* SsbA and SsbB Proteins.** Diane E. Grove and Floyd R. Bryant
- 2184 **Base Flipping in Nucleotide Excision Repair.** Erik Malta, Geri F. Moolenaar, and Nora Goosen
- 2289 **Functional Evidence for a Small and Rigid Active Site in a High Fidelity DNA Polymerase. PROBING T7 DNA POLYMERASE WITH VARIABLY SIZED BASE PAIRS.** Tae Woo Kim, Luis G. Briebe, Tom Ellenberger, and Eric T. Kool
- 2358 **Efficient and High Fidelity Incorporation of dCTP Opposite 7,8-Dihydro-8-oxodeoxyguanosine by *Sulfolobus solfataricus* DNA Polymerase Dpo4.** Hong Zang, Adriana Irimia, Jeong-Yun Choi, Karen C. Angel, Lioudmila V. Loukachevitch, Martin Egli, and F. Peter Guengerich

GENES: STRUCTURE AND REGULATION

- 1956 **Astrocyte-specific Expression of the α_1 -Antichymotrypsin and Glial Fibrillary Acidic Protein Genes Requires Activator Protein-1.** Sunita M. Gopalan, Katarzyna M. Wilczynska, Barbara S. Konik, Lauren Bryan, and Tomasz Kordula

- 2095 **Negative Regulation of the Retinoic Acid-inducible Gene 1-induced Antiviral State by the Ubiquitin-editing Protein A20.**

Rongtuan Lin, Long Yang, Peyman Nakhaei, Qiang Sun, Ehsan Sharif-Askari, Ilkka Julkunen, and John Hiscott

- 2347 **DNA Damage Promotes Histone Deacetylase 4 Nuclear Localization and Repression of G₂/M Promoters, via p53 C-terminal Lysines.** Valentina Basile, Roberto Mantovani, and Carol Imbriano

RNA: STRUCTURE, METABOLISM, AND CATALYSIS

- 1857 **Differential Inhibition of mRNA Degradation Pathways by Novel Cap Analogs.** Ewa Grudzien, Marcin Kalek, Jacek Jemielity, Edward Darzynkiewicz, and Robert E. Rhoads
- 2104 **Temperature-dependent Biosynthesis of 2-Thioribothymidine of *Thermus thermophilus* tRNA.** Naoki Shigi, Tsutomu Suzuki, Takaho Terada, Mikako Shirouzu, Shigeyuki Yokoyama, and Kimitsuna Watanabe

PROTEIN SYNTHESIS, POST-TRANSLATION MODIFICATION, AND DEGRADATION

- 1986 **Nitration of Tyrosine 92 Mediates the Activation of Rat Microsomal Glutathione S-Transferase by Peroxynitrite.** Yanbin Ji, Irina Neverova, Jennifer E. Van Eyk, and Brian M. Bennett
- 2061 **Protein Kinase A-mediated Phosphorylation Modulates Cytochrome c Oxidase Function and Augments Hypoxia and Myocardial Ischemia-related Injury.** Subbuswamy K. Prabu, Hindupur K. Anandatheerthavarada, Haider Raza, Satish Srinivasan, Joseph F. Spear, and Narayan G. Avadhani

PROTEIN STRUCTURE AND FOLDING

- 1935 **Function and Evolution of a Mosquito Salivary Protein Family.** Eric Calvo, Ben J. Mans, John F. Andersen, and José M. C. Ribeiro
- 2151 **Structural Changes of Region 1–16 of the Alzheimer Disease Amyloid β -Peptide upon Zinc Binding and *in Vitro* Aging.** Séverine Zirah, Sergey A. Kozin, Alexey K. Mazur, Alain Blond, Michel Cheminant, Isabelle Ségalas-Milazzo, Pascale Debey, and Sylvie Rebuffat

On The Cover

The cover shows images of mitochondria and the two mitochondrial division proteins, Mdv1 and Dnm1 in a *Saccharomyces cerevisiae* cell. The inset represents time-lapse images of CFP-mitochondria (blue), GFP-Dnm1 (green), and dsRed-Mdv1 (red) and demonstrates that both division proteins are present in a complex during division. We acknowledge James E. Evans for preparation of the figure used on the cover. For details see the article by Naylor *et al.*, pages 2177–2183.

♦ Paper of the Week □ Online version of this article contains supplemental material. □ Available in the online journal only.

- 2195 **Role of the Amino Latch of Staphylococcal α -Hemolysin in Pore Formation. A CO-OPERATIVE INTERACTION BETWEEN THE N TERMINUS AND POSITION 217.** Lakmal Jayasinghe, George Miles, and Hagan Bayley
- 2205 **Assembly of the Bi-component Leukocidin Pore Examined by Truncation Mutagenesis.** George Miles, Lakmal Jayasinghe, and Hagan Bayley
- 2225 **Paratope Determination of the Antithrombotic Antibody 82D6A3 Based on the Crystal Structure of Its Complex with the von Willebrand Factor A3-Domain.** Stephanie Staelens, Michael A. Hadders, Stephan Vauterin, Céline Platteau, Marc De Maeyer, Karen Vanhoorelbeke, Eric G. Huizinga, and Hans Deckmyn
- 2249 **Structure of *Chlorobium tepidum* Sepiapterin Reductase Complex Reveals the Novel Substrate Binding Mode for Stereo-specific Production of L-threo-Tetrahydrobiopterin.** Supangat Supangat, Kyung Hye Seo, Yong Kee Choi, Young Shik Park, Daeyoung Son, Chang-deok Han, and Kon Ho Lee
- 2306 **Conformational Dimorphism of Self-peptides and Molecular Mimicry in a Disease-associated HLA-B27 Subtype.** Christine Rückert, Maria Teresa Fiorillo, Bernhard Loll, Roberto Moretti, Jacek Biesiadka, Wolfram Saenger, Andreas Ziegler, Rosa Sorrentino, and Barbara Uchanska-Ziegler
- 2333 **Human SOD1 before Harboring the Catalytic Metal. SOLUTION STRUCTURE OF COPPER-DEPLETED, DISULFIDE-REDUCED FORM.** Lucia Banci, Ivano Bertini, Francesca Cantini, Nicola D'Amelio, and Elena Gaggelli
- 2338 **Identification by Mutational Analysis of Amino Acid Residues Essential in the Chaperone Function of Calreticulin.** Virginie Martin, Jody Groenendyk, Simone S. Steiner, Lei Guo, Monika Dabrowska, J. M. Robert Parker, Werner Müller-Esterl, Michal Opas, and Marek Michalak
- 2373 **Annealing Prion Protein Amyloid Fibrils at High Temperature Results in Extension of a Proteinase K-resistant Core.** Olga V. Bocharova, Natallia Makarava, Leonid Breydo, Maighdlin Anderson, Vadim V. Salnikov, and Ilia V. Baskakov

ENZYME CATALYSIS AND REGULATION

- 1943 **Sequence, Distance, and Accessibility Are Determinants of 5'-End-directed Cleavages by Retroviral RNases H.** Sharon J. Schultz, Miaohua Zhang, and James J. Champoux
- 2128 **The Role of Properdin in the Assembly of the Alternative Pathway C3 Convertases of Complement.** Dennis E. Hourcade

METABOLISM AND BIOENERGETICS

- 1905 **Mass Spectrometric Analysis of the Ubiquinol-binding Site in Cytochrome *bd* from *Escherichia coli*.** Yushi Matsumoto, Masatoshi Murai, Daisuke Fujita, Kimitoshi Sakamoto, Hideto Miyoshi, Masasuke Yoshida, and Tatsushi Mogi
- 2114 **On the Mechanism of Mitochondrial Uncoupling Protein 1 Function.** Eamon P. Breen, Sebastien G. Gouin, Andrew F. Murphy, Lee R. Haines, Angela M. Jackson, Terry W. Pearson, Paul V. Murphy, and Richard K. Porter
- 2170 **NarJ Chaperone Binds on Two Distinct Sites of the Aponitrate Reductase of *Escherichia coli* to Coordinate Molybdenum Cofactor Insertion and Assembly.** Alexandra Vergnes, Janine Pommier, René Toci, Francis Blasco, Gérard Giordano, and Axel Magalon
- 2242 **Two Isoforms of a Divalent Metal Transporter (DMT1) in *Schistosoma mansoni* Suggest a Surface-associated Pathway for Iron Absorption in Schistosomes.** Danielle J. Smyth, Amber Glanfield, Donald P. McManus, Elke Hacker, David Blair, Greg J. Anderson, and Malcolm K. Jones

GLYCOBIOLOGY AND EXTRACELLULAR MATRICES

- 1868 **The Physical Properties of the Capsular Polysaccharides from *Cryptococcus neoformans* Suggest Features for Capsule Construction.** Diane C. McFadden, Magdia De Jesus, and Arturo Casadevall
- 1929 **Heparan Sulfate Polymerization in *Drosophila*.** Tomomi Izumikawa, Noriyuki Egusa, Fumiyasu Taniguchi, Kazuyuki Sugahara, and Hiroshi Kitagawa
- 2317 **Toward a Better Understanding of the Basis of the Molecular Mimicry of Polysaccharide Antigens by Peptides. THE EXAMPLE OF *SHIGELLA FLEXNERI* 5A.** Marie-Jeanne Clément, Antoine Fortuné, Armelle Phalipon, Véronique Marcel-Peyre, Catherine Simenel, Anne Imberty, Muriel Delepierre, and Laurence A. Mulard
- 2390 **Versican/Pg-M Regulates Chondrogenesis as an Extracellular Matrix Molecule Crucial for Mesenchymal Condensation.** Nobuhiro Kamiya, Hideto Watanabe, Hiroko Habuchi, Hidekazu Takagi, Tamayuki Shinomura, Katsuji Shimizu, and Koji Kimata

MEMBRANE TRANSPORT, STRUCTURE, FUNCTION, AND BIOGENESIS

- 1885 **Alkaline-shifted pH_o Sensitivity of AE2c1-mediated Anion Exchange Reveals Novel Regulatory Determinants in the AE2 N-terminal Cytoplasmic Domain.** Christine E. Kurschat, Boris E. Shmukler, Lianwei Jiang, Sabine Wilhelm, Edward H. Kim, Marina N. Chernova, Rolf K. H. Kinne, Andrew K. Stewart, and Seth L. Alper
- 1897 **Genetic Demonstration That the Plasma Membrane Maxianion Channel and Voltage-dependent Anion Channels Are Unrelated Proteins.** Ravshan Z. Sabirov, Tatiana Sheiko, Hongtao Liu, Defeng Deng, Yasunobu Okada, and William J. Craigen
- 1970 **Differential Sensitivity of the Cystic Fibrosis (CF)-associated Mutants G551D and G1349D to Potentiators of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Cl⁻ Channel.** Zhiwei Cai, Alessandro Taddei, and David N. Sheppard
- 2012 **Tyr-95 and Ile-172 in Transmembrane Segments 1 and 3 of Human Serotonin Transporters Interact to Establish High Affinity Recognition of Antidepressants.** L. Keith Henry, Julie R. Field, Erika M. Adkins, M. Laura Parnas, Roxanne A. Vaughan, Mu-Fa Zou, Amy H. Newman, and Randy D. Blakely
- 2053 **Modulation of Monocarboxylic Acid Transporter-1 Kinetic Function by the cAMP Signaling Pathway in Rat Brain Endothelial Cells.** Jeffrey P. Smith and Lester R. Drewes
- 2144 **Periplasmic Protein-Protein Contacts in the Inner Membrane Protein Wzc Form a Tetrameric Complex Required for the Assembly of *Escherichia coli* Group 1 Capsules.** Richard F. Collins, Konstantinos Beis, Bradley R. Clarke, Robert C. Ford, Martyn Hulley, James H. Naismith, and Chris Whitfield
- 2177 **Mdv1 Interacts with Assembled Dnm1 to Promote Mitochondrial Division.** Kari Naylor, Elena Ingerman, Voytek Okreglak, Michael Marino, Jenny E. Hinshaw, and Jodi Nunnari
- 2273 **Mon2, a Relative of Large Arf Exchange Factors, Recruits Dop1 to the Golgi Apparatus.** Alison K. Gillingham, James R. C. Whyte, Bojana Panic, and Sean Munro
- 2281 **Cysteine-Disulfide Cross-linking to Monitor SNARE Complex Assembly during Endoplasmic Reticulum-Golgi Transport.** John J. Flanagan and Charles Barlowe

MECHANISMS OF SIGNAL TRANSDUCTION

- 1876 **The Heat Shock Protein 90-CDC37 Chaperone Complex Is Required for Signaling by Types I and II Interferons.** Limin Shang and Thomas B. Tomasi
- 1913 **Differential Sensitivity of P-Rex1 to Isoforms of G Protein $\beta\gamma$ Dimers.** Linnia H. Mayeenuddin, William E. McIntire, and James C. Garrison

- 1921 **Phosphorylation of P-Rex1 by the Cyclic AMP-dependent Protein Kinase Inhibits the Phosphatidylinositol (3,4,5)-Trisphosphate and G β γ -mediated Regulation of Its Activity.** Linnia H. Majeenuddin and James C. Garrison
- 1964 **Pheromone-regulated Sumoylation of Transcription Factors That Mediate the Invasive to Mating Developmental Switch in Yeast.** Yuqi Wang and Henrik G. Dohlman
- 1978 **E6AP and Calmodulin Reciprocally Regulate Estrogen Receptor Stability.** Lu Li, Zhigang Li, Peter M. Howley, and David B. Sacks
- 2005 **NOD2/CARD15 Mediates Induction of the Antimicrobial Peptide Human Beta-defensin-2.** Eske Voss, Jan Wehkamp, Kai Wehkamp, Eduard F. Stange, Jens M. Schröder, and Jürgen Harder
- 2033 **Stress-induced Response, Localization, and Regulation of the Pmk1 Cell Integrity Pathway in *Schizosaccharomyces pombe*.** Marisa Madrid, Teresa Soto, Hou Keat Khong, Alejandro Franco, Jero Vicente, Pilar Pérez, Mariano Gacto, and José Cansado
- 2044 **Proline Oxidase, a Proapoptotic Gene, Is Induced by Troglitazone. EVIDENCE FOR BOTH PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR γ -DEPENDENT AND -INDEPENDENT MECHANISMS.** Jui Pandhare, Sandra K. Cooper, and James M. Phang
- 2079 **A Thr³⁵⁷ to Ser Polymorphism in Homozygous and Compound Heterozygous Subjects Causes Absent or Reduced P2X₇ Function and Impairs ATP-induced Mycobacterial Killing by Macrophages.** Anne N. Shemon, Ronald Sluyter, Suran L. Fernando, Alison L. Clarke, Lan-Phuong Dao-Ung, Kristen K. Skarratt, Bernadette M. Saunders, Khai See Tan, Ben J. Gu, Stephen J. Fuller, Warwick J. Britton, Steven Petrou, and James S. Wiley
- 2120 **Tissue-type Plasminogen Activator Acts as a Cytokine That Triggers Intracellular Signal Transduction and Induces Matrix Metalloproteinase-9 Gene Expression.** Kebin Hu, Junwei Yang, Sakae Tanaka, Steven L. Gonias, Wendy M. Mars, and Youhua Liu
- 2162 **The C-terminal Activating Region 2 of the Epstein-Barr Virus-encoded Latent Membrane Protein 1 Activates NF- κ B through TRAF6 and TAK1.** Liming Wu, Hiroyasu Nakano, and Zhenguang Wu
- 2215 **Regulation of p53 by Activated Protein Kinase C- δ during Nitric Oxide-induced Dopaminergic Cell Death.** Sung-Jin Lee, Dong-Chan Kim, Bo-Hwa Choi, Hyunjung Ha, and Kyong-Tai Kim
- 2232 **Selective Role of Intracellular Chloride in the Regulation of the Intrinsic but Not Extrinsic Pathway of Apoptosis in Jurkat T-cells.** Gerd Heimlich and John A. Cidlowski
- 2263 **Interacting Residues in an Activated State of a G Protein-coupled Receptor.** Yong-Hun Lee, Fred Naider, and Jeffrey M. Becker
- 2296 **Suppression of RhoA Activity by Focal Adhesion Kinase-induced Activation of p190RhoGAP. ROLE IN REGULATION OF ENDOTHELIAL PERMEABILITY.** Michael Holinstat, Nebojsa Knezevic, Michael Broman, Allen M. Samarel, Asrar B. Malik, and Dolly Mehta
- 2380 **Analysis of NOD2-mediated Proteome Response to Muramyl Dipeptide in HEK293 Cells.** Dieter Weichart, Johan Gobom, Sina Klopffleisch, Robert Häsler, Niklas Gustavsson, Susanne Billmann, Hans Lehrach, Dirk Seeger, Stefan Schreiber, and Philip Rosenstiel

MOLECULAR BASIS OF CELL AND DEVELOPMENTAL BIOLOGY

- 1992 **Hoxd13 and Hoxa13 Directly Control the Expression of the EphA7 Ephrin Tyrosine Kinase Receptor in Developing Limbs.** Valentina Salsi and Vincenzo Zappavigna
- 2024 **Cellular Trafficking and Degradation of Erythropoietin and Novel Erythropoiesis Stimulating Protein (NESP).** Alec W. Gross and Harvey F. Lodish
- 2071 **Stathmin Strongly Increases the Minus End Catastrophe Frequency and Induces Rapid Treadmilling of Bovine Brain Microtubules at Steady State *in Vitro*.** Tapas Manna, Douglas Thrower, Herbert P. Miller, Patrick Curmi, and Leslie Wilson
- 2133 **Changes in Cytosolic Ca²⁺ Levels Regulate Bcl-xS and Bcl-xL Expression in Spermatogenic Cells during Apoptotic Death.** Durga Prasad Mishra, Rajarshi Pal, and Chandrima Shaha
- 2257 **Reuptake of Extracellular Amelogenin by Dental Epithelial Cells Results in Increased Levels of Amelogenin mRNA through Enhanced mRNA Stabilization.** Liming Xu, Hidemitsu Harada, Tamaki Yokohama-Tamaki, Shuichiro Matsumoto, Junzo Tanaka, and Akiyoshi Taniguchi

AUTHOR INDEX

- A**
- Adkins, Erika M., 2012
 Alper, Seth L., 1885
 Anandatheerthavarada, Hindupur K., 2061
 Andersen, John F., 1935
 Anderson, Greg J., 2242
 Anderson, Maighdlin, 2373
 Angel, Karen C., 2358
 Avadhani, Narayan G., 2061
- B**
- Banci, Lucia, 2333
 Barlowe, Charles, 2281
 Basile, Valentina, 2347
 Baskakov, Iliia V., 2373
 Bayley, Hagan, 2195, 2205
 Becker, Jeffrey M., 2263
 Beis, Konstantinos, 2144
 Bennett, Brian M., 1986
 Bertini, Ivano, 2333
 Biesiadka, Jacek, 2306
 Billmann, Susanne, 2380
 Blair, David, 2242
 Blakely, Randy D., 2012
 Blasco, Francis, 2170
 Blond, Alain, 2151
 Bocharova, Olga V., 2373
 Breen, Eamon P., 2114
 Breydo, Leonid, 2373
 Brieba, Luis G., 2289
 Britton, Warwick J., 2079
 Broman, Michael, 2296
 Bryan, Lauren, 1956
 Bryant, Floyd R., 2087
- C**
- Cai, Zhiwei, 1970
 Calvo, Eric, 1935
 Cansado, José, 2033
 Cantini, Francesca, 2333
 Casadevall, Arturo, 1868
 Champoux, James J., 1943
 Cheminant, Michel, 2151
 Chernova, Marina N., 1885
 Choi, Bo-Hwa, 2215
 Choi, Jeong-Yun, 2358
 Choi, Yong Kee, 2249
 Cidrowski, John A., 2232
 Clarke, Alison L., 2079
 Clarke, Bradley R., 2144
- Clément, Marie-Jeanne, 2317
 Collins, Richard F., 2144
 Cooper, Sandra K., 2044
 Craigen, William J., 1897
 Curmi, Patrick, 2071
- D**
- Dabrowska, Monika, 2338
 D'Amelio, Nicola, 2333
 Dao-Ung, Lan-Phuong, 2079
 Darzynkiewicz, Edward, 1857
 Debey, Pascale, 2151
 Deckmyn, Hans, 2225
 De Jesus, Magdia, 1868
 Delepierre, Muriel, 2317
 De Maeyer, Marc, 2225
 Deng, Defeng, 1897
 Dohlman, Henrik G., 1964
 Drewes, Lester R., 2053
- E**
- Egli, Martin, 2358
 Egusa, Noriyuki, 1929
 Ellenberger, Tom, 2289
- F**
- Fernando, Suran L., 2079
 Field, Julie R., 2012
 Fiorillo, Maria Teresa, 2306
 Flanagan, John J., 2281
 Ford, Robert C., 2144
 Fortuné, Antoine, 2317
 Franco, Alejandro, 2033
 Friedberg, Errol C., 2000
 Fujita, Daisuke, 1905
 Fuller, Stephen J., 2079
- G**
- Gacto, Mariano, 2033
 Gaggelli, Elena, 2333
 Garrison, James C., 1913, 1921
 Gillingham, Alison K., 2273
 Giordano, Gérard, 2170
 Glanfield, Amber, 2242
 Gobom, Johan, 2380
 Gonias, Steven L., 2120
 Goosen, Nora, 2184
 Gopalan, Sunita M., 1956
 Gouin, Sebastien G., 2114
 Groenendyk, Jody, 2338
- Gross, Alec W., 2024
 Grove, Diane E., 2087
 Grudzien, Ewa, 1857
 Gu, Ben J., 2079
 Guo, Caixia, 2000
 Guo, Lei, 2338
 Gustavsson, Niklas, 2380
- H**
- Ha, Hyunjung, 2215
 Habuchi, Hiroko, 2390
 Hacker, Elke, 2242
 Hadders, Michael A., 2225
 Haines, Lee R., 2114
 Han, Chang-deok, 2249
 Hansen, Jeffrey C., 1853
 Harada, Hidemitsu, 2257
 Harder, Jürgen, 2005
 Häsler, Robert, 2380
 Heimlich, Gerd, 2232
 Henry, L. Keith, 2012
 Hinshaw, Jenny E., 2177
 Hiscott, John, 2095
 Holinstat, Michael, 2296
 Hourcade, Dennis E., 2128
 Howley, Peter M., 1978
 Hu, Kebin, 2120
 Huizinga, Eric G., 2225
 Hulley, Martyn, 2144
- I**
- Imberty, Anne, 2317
 Imbriano, Carol, 2347
 Ingerman, Elena, 2177
 Irimia, Adriana, 2358
 Izumikawa, Tomomi, 1929
- J**
- Jackson, Angela M., 2114
 Jayasinghe, Lakmal, 2195, 2205
 Jemielity, Jacek, 1857
 Ji, Yanbin, 1986
 Jiang, Lianwei, 1885
 Jones, Malcolm K., 2242
 Julkunen, Ilkka, 2095
- K**
- Kalek, Marcin, 1857
 Kamiya, Nobuhiro, 2390
 Khong, Hou Keat, 2033
 Kim, Dong-Chan, 2215
 Kim, Edward H., 1885
 Kim, Kyong-Tai, 2215
- Kim, Tae Woo, 2289
 Kimata, Koji, 2390
 Kinne, Rolf K. H., 1885
 Kitagawa, Hiroshi, 1929
 Klopfleisch, Sina, 2380
 Knezevic, Nebojsa, 2296
 Konik, Barbara S., 1956
 Kool, Eric T., 2289
 Kordula, Tomasz, 1956
 Kozin, Sergey A., 2151
 Kurschat, Christine E., 1885
- L**
- Lee, Kon Ho, 2249
 Lee, Sung-Jin, 2215
 Lee, Yong-Hun, 2263
 Lehrach, Hans, 2380
 Li, Lu, 1978
 Li, Zhigang, 1978
 Lin, Rongtuan, 2095
 Liu, Hongtao, 1897
 Liu, Youhua, 2120
 Lodish, Harvey F., 2024
 Loll, Bernhard, 2306
 Loukachevitch, Lioudmila V., 2358
 Lu, Xu, 1853
- M**
- Madrid, Marisa, 2033
 Magalon, Axel, 2170
 Makarava, Natalia, 2373
 Malik, Asrar B., 2296
 Malta, Erik, 2184
 Manna, Tapas, 2071
 Mans, Ben J., 1935
 Mantovani, Roberto, 2347
 Marcel-Peyre, Véronique, 2317
 Marino, Michael, 2177
 Mars, Wendy M., 2120
 Martin, Virginie, 2338
 Matsumoto, Shuichiro, 2257
 Matsumoto, Yushi, 1905
 Mayeenuddin, Linnia H., 1913, 1921
 Mazur, Alexey K., 2151
 McFadden, Diane C., 1868
 McIntire, William E., 1913
 McManus, Donald P., 2242
 Mehta, Dolly, 2296
 Michalak, Marek, 2338
- Miles, George, 2195, 2205
 Miller, Herbert P., 2071
 Mishra, Durga Prasad, 2133
 Miyoshi, Hideto, 1905
 Mogi, Tatsushi, 1905
 Moolenaar, Geri F., 2184
 Moretti, Roberto, 2306
 Mulard, Laurence A., 2317
 Müller-Esterl, Werner, 2338
 Munro, Sean, 2273
 Murai, Masatoshi, 1905
 Murphy, Andrew F., 2114
 Murphy, Paul V., 2114
- N**
- Naider, Fred, 2263
 Naismith, James H., 2144
 Nakano, Hiroyasu, 2162
 Nakhai, Peyman, 2095
 Naylor, Kari, 2177
 Neverova, Irina, 1986
 Newman, Amy H., 2012
 Nunnari, Jodi, 2177
- O**
- Ogi, Tomoo, 2000
 Okada, Takashi, 2000
 Okada, Yasunobu, 1897
 Okreglak, Voytek, 2177
 Opas, Michal, 2338
- P**
- Pal, Rajarshi, 2133
 Pandhare, Jui, 2044
 Panic, Bojana, 2273
 Park, Young Shik, 2249
 Parker, J. M. Robert, 2338
 Parnas, M. Laura, 2012
 Pearson, Terry W., 2114
 Pérez, Pilar, 2033
 Peter Guengerich, F., 2358
 Petrou, Steven, 2079
 Phalipon, Armelle, 2317
 Phang, James M., 2044
 Platteau, Céline, 2225
 Pommier, Janine, 2170
 Porter, Richard K., 2114
 Prabu, Subbuswamy K., 2061
- R**
- Raza, Haider, 2061
 Rebuffat, Sylvie, 2151
- Rhoads, Robert E., 1857
 Ribeiro, José M. C., 1935
 Rosenstiel, Philip, 2380
 Ross, Eric D., 1853
 Ruckert, Christine, 2306
- S**
- Sabirov, Ravshan Z., 1897
 Sacks, David B., 1978
 Saenger, Wolfram, 2306
 Sakamoto, Kimitoshi, 1905
 Salnikov, Vadim V., 2373
 Salsi, Valentina, 1992
 Samarel, Allen M., 2296
 Saunders, Bernadette M., 2079
 Schreiber, Stefan, 2380
 Schröder, Jens M., 2005
 Schultz, Sharon J., 1943
 Seeger, Dirk, 2380
 Ségalas-Milazzo, Isabelle, 2151
 Seo, Kyung Hye, 2249
 Shaha, Chandrima, 2133
 Shang, Limin, 1876
 Sharif-Askari, Ehsan, 2095
 Sheiko, Tatiana, 1897
 Shemon, Anne N., 2079
 Sheppard, David N., 1970
 Shigi, Naoki, 2104
 Shimizu, Katsuji, 2390
 Shinomura, Tamayuki, 2390
 Shirouzu, Mikako, 2104
 Shmukler, Boris E., 1885
 Simenel, Catherine, 2317
 Skarratt, Kristen K., 2079
 Sluyter, Ronald, 2079
 Smith, Jeffrey P., 2053
 Smyth, Danielle J., 2242
 Son, Daeyoung, 2249
 Sonoda, Eiichiro, 2000
 Sorrentino, Rosa, 2306
 Soto, Teresa, 2033
 Spear, Joseph F., 2061
 Srinivasan, Satish, 2061
 Staelens, Stephanie, 2225
 Stange, Eduard F., 2005
 Steiner, Simone S., 2338
 Stewart, Andrew K., 1885
 Sugahara, Kazuyuki, 1929
 Sun, Qiang, 2095

Supangat, Supangat, 2249
Suzuki, Tsutomu, 2104

T

Taddei, Alessandro, 1970
Takagi, Hidekazu, 2390
Takeda, Shunichi, 2000
Takenaka, Katsuya, 2000
Tan, Khai See, 2079
Tanaka, Junzo, 2257
Tanaka, Sakae, 2120
Taniguchi, Akiyoshi, 2257

Taniguchi, Fumiyasu, 1929
Terada, Takaho, 2104
Thrower, Douglas, 2071
Toci, René, 2170
Tomasi, Thomas B., 1876

U

Uchanska-Ziegler, Barbara,
2306

V

Van Eyk, Jennifer E., 1986

Vanhoorelbeke, Karen,
2225

Vaughan, Roxanne A.,
2012

Vauterin, Stephan, 2225
Vergnes, Alexandra, 2170
Vicente, Jero, 2033

Voss, Eske, 2005

W

Wang, Yuqi, 1964
Watanabe, Hideto, 2390

Watanabe, Kimitsuna,
2104

Wehkamp, Jan, 2005

Wehkamp, Kai, 2005

Weichart, Dieter, 2380

Whitfield, Chris, 2144

Whyte, James R. C., 2273

Wilczynska, Katarzyna M.,
1956

Wiley, James S., 2079

Wilhelm, Sabine, 1885

Wilson, Leslie, 2071

Woody, Robert W., 1853

Wu, Liming, 2162

Wu, Zhenguo, 2162

X

Xu, Liming, 2257

Y

Yang, Junwei, 2120

Yang, Long, 2095

Yokohama-Tamaki,
Tamaki, 2257

Yokoyama, Shigeyuki,
2104

Yoshida, Masasuke, 1905

Z

Zang, Hong, 2358

Zappavigna, Vincenzo,
1992

Zhang, Miaohua, 1943

Ziegler, Andreas, 2306

Zirah, Séverine, 2151

Zou, Mu-Fa, 2012