

TABLE OF CONTENTS

MINIREVIEW

- A New Clone Sweeps Clean: the Enigmatic Emergence of *Escherichia coli* Sequence Type 131**

Ritu Banerjee, James R. Johnson 4997–5004

CHEMISTRY; BIOSYNTHESIS

- Pyocyanin Production by *Pseudomonas aeruginosa* Confers Resistance to Ionic Silver**

Michael Muller, Neil D. Merrett 5492–5499

MECHANISMS OF ACTION: PHYSIOLOGICAL EFFECTS

- Comparative Mechanistic Studies of Brilacidin, Daptomycin, and the Antimicrobial Peptide LL16**

Bruk Mensa, Gabriella L. Howell, Richard Scott, William F. DeGrado 5136–5145

- Fosmidomycin Decreases Membrane Hopanoids and Potentiates the Effects of Colistin on *Burkholderia multivorans* Clinical Isolates**

Rebecca J. Malott, Chia-Hung Wu, Tracy D. Lee, Trevor J. Hird, Nathan F. Dalleska, James E. A. Zlosnik, Dianne K. Newman, David P. Speert 5211–5219

- Synergy of Streptogramin Antibiotics Occurs Independently of Their Effects on Translation**

Jonas Noeske, Jian Huang, Nelson B. Olivier, Robert A. Giacobbe, Mark Zambrowski, Jamie H. D. Cate 5269–5279

- Cell-Based Assay To Identify Inhibitors of the Hfq-sRNA Regulatory Pathway**

Shaima A. El-Mowafi, John N. Alumasa, Sarah E. Ades, Kenneth C. Keiler 5500–5509

- New Insight into the Mechanism of Accumulation and Intraerythrocytic Compartmentation of Albitiazolium, a New Type of Antimalarial**

Sharon Wein, Christophe Tran Van Ba, Marjorie Maynadier, Yann Bordat, Julie Perez, Suzanne Peyrottes, Laurent Fraisse, Henri J. Vial 5519–5527

- Signaling of Chloroquine-Induced Stress in the Yeast *Saccharomyces cerevisiae* Requires the Hog1 and Slt2 Mitogen-Activated Protein Kinase Pathways**

Shivani Baranwal, Gajendra Kumar Azad, Vikash Singh, Raghuvir S. Tomar 5552–5566

- Pyochelin Potentiates the Inhibitory Activity of Gallium on *Pseudomonas aeruginosa***

Emanuela Frangipani, Carlo Bonchi, Fabrizia Minandri, Francesco Imperi, Paolo Visca 5572–5575

MECHANISMS OF RESISTANCE

- “Slow VISA,” a Novel Phenotype of Vancomycin Resistance, Found *In Vitro* in Heterogeneous Vancomycin-Intermediate *Staphylococcus aureus* Strain Mu3**

Michie Saito, Yuki Katayama, Tomomi Hishinuma, Akira Iwamoto, Yoshifumi Aiba, Kyoko Kuwahara-Arai, Longzhu Cui, Miki Matsuo, Nanae Aritaka, Keiichi Hiramatsu 5024–5035

- The *Pseudomonas aeruginosa* CreBC Two-Component System Plays a Major Role in the Response to β -Lactams, Fitness, Biofilm Growth, and Global Regulation**

Laura Zamorano, Bartolomé Moyà, Carlos Juan, Xavier Mulet, Jesús Blázquez, Antonio Oliver 5084–5095

- First Detection of TR₄₆/Y121F/T289A and TR₃₄/L98H Alterations in *Aspergillus fumigatus* Isolates from Azole-Naive Patients in Denmark despite Negative Findings in the Environment**

K. M. T. Astvad, R. H. Jensen, T. M. Hassan, E. G. Mathiasen, G. M. Thomsen, U. G. Pedersen, M. Christensen, O. Hilberg, M. C. Arendrup 5096–5101

- SAGA/ADA Complex Subunit Ada2 Is Required for Cap1- but Not Mrr1-Mediated Upregulation of the *Candida albicans* Multidrug Efflux Pump *MDR1***

Bernardo Ramírez-Zavala, Selene Mogavero, Eva Schöller, Christoph Sasse, P. David Rogers, Joachim Morschhäuser 5102–5110

Serratia marcescens <i>arn</i> , a PhoP-Regulated Locus Necessary for Polymyxin B Resistance	Quei Yen Lin, Yi-Lin Tsai, Ming-Che Liu, Wei-Cheng Lin, Po-Ren Hsueh, Shwu-Jen Liaw	5181–5190
Relationship between Glycopeptide Production and Resistance in the Actinomycete <i>Nonomuraea</i> sp. ATCC 39727	Giorgia Letizia Marcone, Elisa Binda, Lucia Carrano, Mervyn Bibb, Flavia Marinelli	5191–5201
Exposure of <i>Staphylococcus aureus</i> to Subinhibitory Concentrations of β-Lactam Antibiotics Induces Heterogeneous Vancomycin-Intermediate <i>Staphylococcus aureus</i>	Mélanie Roch, Perrine Clair, Adriana Renzoni, Marie-Elisabeth Reverdy, Olivier Dauwalder, Michèle Bes, Annie Martra, Anne-Marie Freydière, Frédéric Laurent, Philippe Reix, Oana Dumitrescu, François Vandenesch	5306–5314
Molecular Mechanisms of Substrate Recognition and Specificity of New Delhi Metallo-β-Lactamase	Jiachi Chiou, Thomas Yun-Chung Leung, Sheng Chen	5372–5378
Target Enzyme Mutations Confer Differential Echinocandin Susceptibilities in <i>Candida kefyr</i>	Janet F. Staab, Dionysios Neofytos, Peter Rhee, Cristina Jiménez-Ortigosa, Sean X. Zhang, David S. Perlin, Kieren A. Marr	5421–5427
Molecular Epidemiology of NDM-1-Producing <i>Enterobacteriaceae</i> and <i>Acinetobacter baumannii</i> Isolates from Pakistan	Anna L. Sartor, Muhammad W. Raza, Shahid A. Abbasi, Kathryn M. Day, John D. Perry, David L. Paterson, Hanna E. Sidjabat	5589–5593
Colistin Heteroresistance in <i>Enterobacter cloacae</i> Is Associated with Cross-Resistance to the Host Antimicrobial Lysozyme	Brooke A. Napier, Victor Band, Eileen M. Burd, David S. Weiss	5594–5597
SUSCEPTIBILITY		
Levofloxacin-Ceftriaxone Combination Attenuates Lung Inflammation in a Mouse Model of Bacteremic Pneumonia Caused by Multidrug-Resistant <i>Streptococcus pneumoniae</i> via Inhibition of Cytolytic Activities of Pneumolysin and Autolysin	Arnab Majhi, Rana Adhikary, Aritra Bhattacharyya, Sayantika Mahanti, Biswadev Bishayi	5164–5180
Improved Plaque Assay Identifies a Novel Anti-<i>Chlamydia</i> Ceramide Derivative with Altered Intracellular Localization	Sebastian Banhart, Essa M. Saied, Andrea Martini, Sophia Koch, Lukas Aeberhard, Kazimierz Madela, Christoph Arenz, Dagmar Heuer	5537–5546
Revised Reference Broth Microdilution Method for Testing Telavancin: Effect on MIC Results and Correlation with Other Testing Methodologies	David J. Farrell, Rodrigo E. Mendes, Paul R. Rhomberg, Ronald N. Jones	5547–5551
Micafungin at Physiological Serum Concentrations Shows Antifungal Activity against <i>Candida albicans</i> and <i>Candida parapsilosis</i> Biofilms	M. Guembe, J. Guinea, L. J. Marcos-Zambrano, A. Fernández-Cruz, T. Peláez, P. Muñoz, E. Bouza	5581–5584
High <i>In Vitro</i> Activity of the Novel Spiropyrimidinetrione AZD0914, a DNA Gyrase Inhibitor, against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> Isolates Suggests a New Effective Option for Oral Treatment of Gonorrhea	Susanne Jacobsson, Daniel Golparian, Richard A. Alm, Michael Huband, John Mueller, Jorgen Skov Jensen, Makoto Ohnishi, Magnus Unemo	5585–5588
<i>In Vitro</i> Activities of Nine Antifungal Drugs and Their Combinations against <i>Phialophora verrucosa</i>	Yali Li, Zhe Wan, Ruoyu Li	5609–5612
<i>In Vitro</i> Antifungal Susceptibility Profile and Correlation of Mycelial and Yeast Forms of Molecularly Characterized <i>Histoplasma capsulatum</i> Strains from India	Shallu Kathuria, Pradeep K. Singh, Jacques F. Meis, Anuradha Chowdhary	5613–5616
<i>In Vitro</i> Synergism Observed with Azithromycin, Clarithromycin, Minocycline, or Tigecycline in Association with Antifungal Agents against <i>Pythium insidiosum</i>	Francielli P. K. Jesus, Laerte Ferreiro, Érico S. Loreto, Maiara B. Pilotto, Aline Ludwig, Karine Bizzi, Juliana S. M. Tondolo, Régis A. Zanette, Sydney H. Alves, Janio M. Santurio	5621–5625

Cysticidal Activity of Antifungals against Different Genotypes of <i>Acanthamoeba</i>	Alfonso Iovieno, Darlene Miller, Dolena R. Ledee, Eduardo C. Alfonso,	5626–5628
In Vitro Activities of Eight Antifungal Drugs against 104 Environmental and Clinical Isolates of <i>Aureobasidium pullulans</i>	M. Javad Najafzadeh, Deanna A. Sutton, M. Saradeghi Keisari, H. Zarrinfar, G. Sybren de Hoog, Anuradha Chowdhary, Jacques F. Meis,	5629–5631
Comparison of Different Drug Susceptibility Test Methods To Detect Rifampin Heteroresistance in <i>Mycobacterium tuberculosis</i>	Zhijian Zhang, Yufeng Wang, Yu Pang, Changting Liu	5632–5635
ANALYTICAL PROCEDURES		
In Vitro and In Vivo Activities of Antimicrobial Peptides Developed Using an Amino Acid-Based Activity Prediction Method	Xiaozhe Wu, Zhenling Wang, Xiaolu Li, Yingzi Fan, Gu He, Yang Wan, Chaocheng Yu, Jianying Tang, Meng Li, Xian Zhang, Hailong Zhang, Rong Xiang, Ying Pan, Yan Liu, Lian Lu, Li Yang	5342–5349
Three Phase III Randomized Controlled Trials of Topical Resiquimod 0.01-Percent Gel To Reduce Anogenital Herpes Recurrences	Karen E. Mark, Spotswood Spruance, George R. Kinghorn, Stephen L. Sacks, Herbert B. Slade, Tze-Chiang Meng, Stacy Selke, Amalia Margaret, Anna Wald	5016–5023
Downregulation of Cellular c-Jun N-Terminal Protein Kinase and NF-κB Activation by Berberine May Result in Inhibition of Herpes Simplex Virus Replication	Siwei Song, Min Qiu, Ying Chu, Deyan Chen, Xiaohui Wang, Airong Su, Zhiwei Wu	5068–5078
Comparison of Daclatasvir Resistance Barriers on NS5A from Hepatitis C Virus Genotypes 1 to 6: Implications for Cross-Genotype Activity	Chunfu Wang, Lingling Jia, Donald R. O'Boyle II, Jin-Hua Sun, Karen Rigat, Lourdes Valera, Peter Nowier, Xin Huang, Bernadette Kienzle, Susan Roberts, Min Gao, Robert A. Fridell	5155–5163
Characterization of Drug-Resistant Influenza Virus A(H1N1) and A(H3N2) Variants Selected In Vitro with Laninamivir	Mélanie Samson, Yacine Abed, François-Marc Desrochers, Stephanie Hamilton, Angela Lutnick, Simon P. Tucker, Melinda J. Pryor, Guy Boivin	5220–5228
Using Pharmacokinetic and Viral Kinetic Modeling To Estimate the Antiviral Effectiveness of Telaprevir, Boceprevir, and Pegylated Interferon during Triple Therapy in Treatment-Experienced Hepatitis C Virus-Infected Cirrhotic Patients	Cédric Laouénan, Patrick Marcellin, Martine Lapalus, Feryel Khelifa-Mouri, Nathalie Boyer, Fabien Zoulim, Lawrence Serfaty, Jean-Pierre Bronowicki, Michelle Martinot- Peignoux, Olivier Lada, Tarik Asselah, Céline Dorival, Christophe Hézode, Fabrice Carrat, Florence Nicot, Gilles Peytavin, France Mentré, Jeremie Guedj	5332–5341
Hepatitis C Virus Genotype 5a Subgenomic Replicons for Evaluation of Direct-Acting Antiviral Agents	Constance N. Wose Kinge, Christine Espiritu, Nishi Prabdial-Sing, Nomathamsaqa Patricia Sithebe, Mohsan Saeed, Charles M. Rice	5386–5394
Genotypic and Phenotypic Analyses of Hepatitis C Virus Variants Observed in Clinical Studies of VX-222, a Nonnucleoside NS5B Polymerase Inhibitor	Min Jiang, Eileen Z. Zhang, Andrzej Ardzinski, Ann Tigges, Andrew Davis, James C. Sullivan, Michelle Nelson, Joan Spanks, Jennifer Dorrian, Olivier Nicolas, Doug J. Bartels, B. Govinda Rao, Rene Rijnbrand, Tara L. Kieffer	5456–5465

Binding Mode Characterization of NBD Series CD4-Mimetic HIV-1 Entry Inhibitors by X-Ray Structure and Resistance Study	Francesca Curreli, Young Do Kwon, Hongtao Zhang, Yongping Yang, Daniel Scacalossi, Peter D. Kwong, Asim K. Debnath	5478–5491
In Vitro Efficacy of Brincidofovir against Variola Virus	Victoria A. Olson, Scott K. Smith, Scott Foster, Yu Li, E. Randall Lanier, Irina Gates, Lawrence C. Trost, Inger K. Damon	5570–5571
Placental Transfer of Darunavir in an Ex Vivo Human Cotyledon Perfusion Model	Laurent Mandelbrot, Dominique Duro, Emilie Belissa, Gilles Peytavin	5617–5620
EPIDEMIOLOGY AND SURVEILLANCE		
Decreasing <i>Clostridium difficile</i> Infections by an Antimicrobial Stewardship Program That Reduces Moxifloxacin Use	Judith Maria Wenisch, Susanne Equiluz-Bruck, Marta Fudel, Inguna Reiter, Andrea Schmid, Erna Singer, Andreas Chott	5079–5083
Long-Term Dissemination of CTX-M-5-Producing Hypermutable <i>Salmonella enterica</i> Serovar Typhimurium Sequence Type 328 Strains in Russia, Belarus, and Kazakhstan	Varvara K. Kozyreva, Elena N. Ilina, Maja V. Malakhova, Alessandra Carattoli, Ilya S. Azizov, Dmitry V. Tapalski, Roman S. Kozlov, Mikhail V. Edelstein	5202–5210
Mathematical Model To Quantify the Effects of Risk Factors on Carbapenem-Resistant <i>Acinetobacter baumannii</i>	Michelle W. Tan, David C. Lye, Tat-Ming Ng, Michael Nikolaou, Vincent H. Tam	5239–5244
High Prevalence of <i>bla</i>_{CTX-M-1}/IncI1/ST3 and <i>bla</i>_{CMY-2}/IncI1/ST2 Plasmids in Healthy Urban Dogs in France	Marisa Haenni, Estelle Saras, Véronique Métayer, Christine Médaille, Jean-Yves Madec	5358–5362
Clinical and Molecular Characteristics of Emerging Hypervirulent <i>Klebsiella pneumoniae</i> Bloodstream Infections in Mainland China	Ying Mei Liu, Bin Bin Li, Yu Yu Zhang, Wu Zhang, Hong Shen, Hui Li, Bin Cao	5379–5385
Emergence of Multidrug-Resistant <i>Campylobacter</i> Species Isolates with a Horizontally Acquired rRNA Methylase	Yang Wang, Maojun Zhang, Fengru Deng, Zhangqi Shen, Congming Wu, Jianzhong Zhang, Qijing Zhang, Jianzhong Shen	5405–5412
Impact of Third-Generation-Cephalosporin Administration in Hatcheries on Fecal <i>Escherichia coli</i> Antimicrobial Resistance in Broilers and Layers	Sandrine Baron, Eric Jouy, Emeline Larvor, Florent Eono, Stéphanie Bougeard, Isabelle Kempf	5428–5434
Frequency of Outpatient Antibiotic Prescription on Discharge to Hospice Care	Jon P. Furuno, Brie N. Noble, Kristi N. Horne, Jessina C. McGregor, Miriam R. Elman, David T. Bearden, Eric W. Walsh, Erik K. Fromme	5473–5477
NDM-5 Carbapenemase-Encoding Gene in Multidrug-Resistant Clinical Isolates of <i>Escherichia coli</i> from Algeria	Asma Sassi, Lotfi Loucif, Sushim Kumar Gupta, Mazouz Dekhil, Houria Chettibi, Jean-Marc Rolain	5606–5608

EXPERIMENTAL THERAPEUTICS

KAF156 Is an Antimalarial Clinical Candidate with Potential for Use in Prophylaxis, Treatment, and Prevention of Disease Transmission

Kelli L. Kuhen, Arnab K. Chatterjee, Matthias Rottmann, Kerstin Gagaring, Rachel Borboa, Jennifer Buenaviaje, Zhong Chen, Carolyn Francek, Tao Wu, Advait Nagle, S. Whitney Barnes, David Plouffe, Marcus C. S. Lee, David A. Fidock, Wouter Graumanns, Marga van de Vegte-Bolmer, Geert J. van Gemert, Grennady Wirjanata, Boni Sebayang, Jutta Marfurt, Bruce Russell, Rossarin Suwanarusk, Ric N. Price, Francois Nosten, Anchalee Tungtaeng, Montip Gettayacamin, Jetsumon Sattabongkot, Jennifer Taylor, John R. Walker, David Tully, Kailash P. Patra, Erika L. Flannery, Joseph M. Vinetz, Laurent Renia, Robert W. Sauerwein, Elizabeth A. Winzeler, Richard J. Glynne, Thierry T. Diagana 5060–5067

Efficacy of Fosfomycin Compared to Vancomycin in Treatment of Implant-Associated Chronic Methicillin-Resistant *Staphylococcus aureus* Osteomyelitis in Rats

Wolfgang Poeppl, Tilman Lingscheid, Dominik Bernitzky, Uwe Y. Schwarze, Oliver Donath, Thomas Perkmann, Nicolas Kozakowski, Roberto Plasenzotti, Gottfried Reznicek, Heinz Burgmann 5111–5116

In Vitro and In Vivo Effects of Tamoxifen against Larval Stage *Echinococcus granulosus*

Maria Celeste Nicolao, Maria Celina Elissondo, Guillermo M. Denegri, Alejandra B. Goya, Andrea C. Cumino 5146–5154

Effectiveness of Antimicrobial Peptide Immobilization for Preventing Perioperative Cornea Implant-Associated Bacterial Infection

Xiao Wei Tan, Tze Wei Goh, P. Saraswathi, Chan Lwin Nyein, Melina Setiawan, Andri Riau, R. Lakshminarayanan, Shouping Liu, Donald Tan, Roger W. Beuerman, Jodhbir S. Mehta 5229–5238

Structural Insights into and Activity Analysis of the Antimicrobial Peptide Myxinidin

Marco Cantisani, Emiliana Finamore, Eleonora Mignogna, Annarita Falanga, Giovanni Francesco Nicoletti, Carlo Pedone, Giancarlo Morelli, Marilisa Leone, Massimiliano Galdiero, Stefania Galdiero 5280–5290

Bactericidal Activity, Absence of Serum Effect, and Time-Kill Kinetics of Ceftazidime-Avibactam against β -Lactamase-Producing Enterobacteriaceae and *Pseudomonas aeruginosa*

Tiffany R. Keepers, Marcela Gomez, Chris Celery, Wright W. Nichols, Kevin M. Krause 5297–5305

1,4-Azaindole, a Potential Drug Candidate for Treatment of Tuberculosis

Monalisa Chatterji, Radha Shandil, M. R. Manjunatha, Suresh Solapure, Vasanthi Ramachandran, Naveen Kumar, Ramanatha Saralaya, Vijender Panduga, Jitendar Reddy, Prabhakar KR, Sreevalli Sharma, Claire Sadler, Christopher B. Cooper, Khisi Mdluli, Pravin S. Iyer, Shridhar Narayanan, Pravin S. Shirude 5325–5331

A Broad-Spectrum Antibiofilm Peptide Enhances Antibiotic Action against Bacterial Biofilms

Fany Reffuveille, Cesar de la Fuente-Nunez, Sarah Mansour, Robert E. W. Hancock 5363–5371

Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation	Katrijn De Brucker, Nicolas Delattin, Stijn Robijns, Hans Steenackers, Natalie Verstraeten, Bart Landuyt, Walter Luyten, Liliane Schoofs, Barbara Dovgan, Mirjam Fröhlich, Jan Michiels, Jos Vanderleyden, Bruno P. A. Cammue, Karin Thevissen	5395–5404
Maternal Intravenous Treatment with either Azithromycin or Solithromycin Clears <i>Ureaplasma parvum</i> from the Amniotic Fluid in an Ovine Model of Intrauterine Infection	Yuichiro Miura, Matthew S. Payne, Jeffrey A. Keelan, Andres Noe, Sean Carter, Rory Watts, Owen B. Spiller, Alan H. Jobe, Suhas G. Kallapur, Masatoshi Saito, Sarah J. Stock, John P. Newnham, Matthew W. Kemp	5413–5420
N-Terminally Modified Linear and Branched Spermine Backbone Dipeptidomimetics against Planktonic and Sessile Methicillin-Resistant <i>Staphylococcus aureus</i>	Rikeshwer Prasad Dewangan, Seema Joshi, Shalini Kumari, Hemlata Gautam, Mohammed Shahar Yar, Santosh Pasha	5435–5447
Activity of Praziquantel Enantiomers and Main Metabolites against <i>Schistosoma mansoni</i>	Isabel Meister, Katrin Ingram-Sieber, Noemi Cowan, Matthew Todd, Murray N. Robertson, Claudia Meli, Malay Patra, Gilles Gasser, Jennifer Keiser	5466–5472
Efficacy of Liposome-Encapsulated Ciprofloxacin in a Murine Model of Q Fever	I. H. Norville, G. J. Hatch, K. R. Bewley, D. J. Atkinson, K. A. Hamblin, J. D. Blanchard, S. J. Armstrong, J. K. Pitman, E. Rayner, G. Hall, J. Vipond, T. P. Atkins	5510–5518
Sterilizing Activity of Thioridazine in Combination with the First-Line Regimen against Acute Murine Tuberculosis	Noton K. Dutta, Michael L. Pinn, Petros C. Karakousis	5567–5569
Comparative Efficacies of Cloxacillin-Daptomycin and the Standard Cloxacillin-Rifampin Therapies against an Experimental Foreign-Body Infection by Methicillin-Susceptible <i>Staphylococcus aureus</i>	Cristina El Haj, Oscar Murillo, Alba Ribera, Mireia Vivas, Dolors Garcia-Somoza, Fe Tubau, Javier Cabo, Javier Ariza	5576–5580
CLINICAL THERAPEUTICS		
Antibiotics for Treatment of <i>Clostridium difficile</i> Infection in Hospitalized Patients with Inflammatory Bowel Disease	Henry A. Horton, Seper Dezfoli, Dror Berel, Julianna Hirsch, Andrew Ippoliti, Dermot McGovern, Manreet Kaur, David Shih, Marla Dubinsky, Stephan R. Targan, Phillip Fleshner, Eric A. Vasiliouskas, Jonathan Grein, Rekha Murthy, Gil Y. Melmed	5054–5059
Comparison of Cefazolin versus Oxacillin for Treatment of Complicated Bacteremia Caused by Methicillin-Susceptible <i>Staphylococcus aureus</i>	Julius Li, Kelly L. Echevarria, Darrel W. Hughes, Jose A. Cadena, Jason E. Bowling, James S. Lewis II	5117–5124
Epidemiology and Predictors of Multidrug-Resistant Community-Acquired and Health Care-Associated Pneumonia	Alan E. Gross, Trevor C. Van Schooneveld, Keith M. Olsen, Mark E. Rupp, Thu Hong Bui, Elsie Forsung, Andre C. Kalil	5262–5268
Prevention of Transmission of Multidrug-Resistant Organisms during Catheter Exchange using Antimicrobial Catheters	Mohamed A. Jamal, Joel Rosenblatt, Ying Jiang, Ray Hachem, Ann-Marie Chaftari, Issam I. Raad	5291–5296
Population Pharmacokinetics of Bedaquiline (TMC207), a Novel Antituberculosis Drug	Sarah C. McLeay, Peter Vis, Rolf P. G. van Heeswijk, Bruce Green	5315–5324

Multicenter, Double-Blind, Randomized, Phase II Trial To Assess the Safety and Efficacy of Ceftolozane-Tazobactam plus Metronidazole Compared with Meropenem in Adult Patients with Complicated Intra-Abdominal Infections	Christopher Lucasti, Ellie Hershberger, Benjamin Miller, Sara Yankelev, Judith Steenbergen, Ian Friedland, Joseph Solomkin	5350–5357
Randomized Comparison of the Efficacies and Tolerabilities of Three Artemisinin-Based Combination Treatments for Children with Acute <i>Plasmodium falciparum</i> Malaria in the Democratic Republic of the Congo	M. A. Onyamboko, C. I. Fanello, K. Wongsaen, J. Tarning, P. Y. Cheah, K. A. Tshefu, A. M. Dondorp, F. Nosten, N. J. White, N. P. J. Day	5528–5536
Preliminary Study of Colistin versus Colistin plus Fosfomycin for Treatment of Carbapenem-Resistant <i>Acinetobacter baumannii</i> Infections	Rujipas Sirijatuphat, Visanu Thamlikitkul	5598–5601
Monitoring of Trough Plasma Ganciclovir Levels and Peripheral Blood Cytomegalovirus (CMV)-Specific CD8⁺ T Cells To Predict CMV DNAemia Clearance in Preemptively Treated Allogeneic Stem Cell Transplant Recipients	Estela Giménez, Carlos Solano, José Ramón Azanza, Paula Amat, David Navarro	5602–5605
PHARMACOLOGY		
Evaluation of the Pharmacokinetics and Pharmacodynamics of Liposomal Amikacin for Inhalation in Cystic Fibrosis Patients with Chronic Pseudomonas Infections Using Data from Two Phase 2 Clinical Studies	Olanrewaju O. Okusanya, Sujata M. Bhavnani, Jeffrey P. Hammel, Alan Forrest, Catharine C. Bulik, Paul G. Ambrose, Renu Gupta	5005–5015
Metabolic Drug-Drug Interaction Potential of Macrolactin A and 7-O-Succinyl Macrolactin A Assessed by Evaluating Cytochrome P450 Inhibition and Induction and UDP-Glucuronosyltransferase Inhibition <i>In Vitro</i>	Soo Hyeon Bae, Min Jo Kwon, Jung Bae Park, Doyun Kim, Dong-Hee Kim, Jae-Seon Kang, Chun-Gyu Kim, Euichaul Oh, Soo Kyung Bae	5036–5046
Safety and Pharmacokinetics of XOMA 3AB, a Novel Mixture of Three Monoclonal Antibodies against Botulinum Toxin A	S. U. Nayak, J. M. Griffiss, R. McKenzie, E. J. Fuchs, R. A. Jurao, A. T. An, A. Ahene, M. Tomic, C. W. Hendrix, J. M. Zenilman	5047–5053
Pharmacokinetics and Preliminary Safety Study of Pod-Intravaginal Rings Delivering Antiretroviral Combinations for HIV Prophylaxis in a Macaque Model	John A. Moss, Priya Srinivasan, Thomas J. Smith, Irina Butkyavichene, Gilbert Lopez, Amanda A. Brooks, Amy Martin, Chuong T. Dinh, James M. Smith, Marc M. Baum	5125–5135
Phase I Safety, Pharmacokinetics, and Pharmacogenetics Study of the Antituberculosis Drug PA-824 with Concomitant Lopinavir-Ritonavir, Efavirenz, or Rifampin	Kelly E. Dooley, Anne F. Luetkemeyer, Jeong-Gun Park, Reena Allen, Yoninah Cramer, Stephen Murray, Deborah Sutherland, Francesca Aweeka, Susan L. Koletar, Florence Marzan, Jing Bao, Rada Savic, David W. Haas, the AIDS Clinical Trials Group A5306 Study Team	5245–5252
Defining Daptomycin Resistance Prevention Exposures in Vancomycin-Resistant <i>Enterococcus faecium</i> and <i>E. faecalis</i>	B. J. Werth, M. E. Steed, C. E. Ireland, T. T. Tran, P. Nonejuie, B. E. Murray, W. E. Rose, G. Sakoulas, J. Pogliano, C. A. Arias, M. J. Rybak	5253–5261
High-Dose Continuous Oxacillin Infusion Results in Achievement of Pharmacokinetics Targets in Critically Ill Patients with Deep Sternal Wound Infections following Cardiac Surgery	Nicolas Nesseler, Marie-Clémence Verdier, Yoann Launey, Alexandre Malherbe, Marine Dermu, Caroline Piau, Erwan Flécher, Olivier Tribut, Yannick Mallédant, Philippe Seguin	5448–5455
LETTERS TO THE EDITOR		
Genetic Environment of the <i>Inu(B)</i> Gene in a <i>Streptococcus agalactiae</i> Clinical Isolate	A. Montilla, A. Zavala, R. Cáceres Cáceres, R. Cittadini, C. Vay, G. Gutkind, A. Famiglietti, L. Bonofiglio, M. Mollerach	5636–5637

Continued from preceding page

SEPTEMBER 2014 • VOLUME 58 • NUMBER 9

Clonal Diversity of *Escherichia coli* Isolates Carrying Plasmid-Mediated Fosfomycin Resistance Gene *fosA3* from Livestock and Other Animals

HIV-1 Clinical Isolates with the E138A Substitution in Reverse Transcriptase Show Full Susceptibility to Emtricitabine and Other Nucleoside Reverse Transcriptase Inhibitors

Jane Chan, Wai-U Lo, Kin-Hung Chow, Eileen L. Lai, Pierra Y. Law, Pak-Leung Ho

5638–5639

Danielle P. Porter, Rima Kulkarni, Kirsten L. White

5640–5641