

INFECTION AND IMMUNITY

Volume 54

December 1986

No. 3

BACTERIAL INFECTIONS AND IMMUNITY

Regulation of Production of Type 1 Pili among Urinary Tract Isolates of <i>Escherichia coli</i>. Scott J. Hultgren, William R. Schwan, Anthony J. Schaeffer, and James L. Duncan	613-620
Antigenic Interrelationship between Endoflagella of <i>Treponema phagedenis</i> Biotype Reiter and <i>Treponema pallidum</i> (Nichols): Molecular Characterization of Endoflagellar Proteins. Justin D. Radolf, David R. Blanco, James N. Miller, and Michael A. Lovett	626-634
Some <i>galE</i> Mutants of <i>Salmonella choleraesuis</i> Retain Virulence. Ndubisi A. Nnalue and B. A. D. Stocker	635-640
Catalases, Peroxidases, and Superoxide Dismutases in <i>Mycobacterium leprae</i> and Other Mycobacteria Studied by Crossed Immunoelectrophoresis and Polyacrylamide Gel Electrophoresis. Sissel T. Lygren, Otto Closs, Hervé Bercouvier, and Lawrence G. Wayne	666-672
Influence of Endotoxin-Protein in Immunoglobulin G Isotype Responses of Mice to <i>Brucella abortus</i> Lipopolysaccharide. Robin S. Kurtz and David T. Berman	728-734
Antibody Response of Swine to Outer Membrane Components of <i>Haemophilus pleuropneumoniae</i> during Infection. Vicki J. Rapp and Richard F. Ross ...	751-760
Cross-Reactivity between Haptenic Muramyl Di- or Tripeptide Derivatives and <i>Mycobacterium bovis</i> BCG: Potential Application for Enhancing Tumor Immunity. Atsuchi Kosugi, Junko Shima, Haruo Sano, Masato Ogata, Tsuneo Kusama, Hiromi Fujiwara, and Toshiyuki Hamaoka	768-773
Antigenic Characterization of the P6 Protein of Nontypable <i>Haemophilus influenzae</i>. Timothy F. Murphy, Linda C. Bartos, Anthony A. Campagnari, M. Bud Nelson, and Michael A. Apicella	774-779
Synthesis and Secretion of Interferon by Murine Fibroblasts in Response to Intracellular <i>Listeria monocytogenes</i>. Edward A. Havell.....	787-792
<i>Mycobacterium leprae</i>-Specific Lyt-2⁺ T Lymphocytes with Cytolytic Activity. Shubhada Chiplunkar, Gennaro De Libero, and Stefan H. E. Kaufmann...	793-797
Phagocytosis of <i>Staphylococcus aureus</i> by Cultured Bovine Aortic Endothelial Cells: Model for Postadherence Events in Endovascular Infections. Richard J. Hamill, James M. Vann, and Richard A. Proctor.....	833-836
Surface-Exposed Antigenic Cleavage Fragments of <i>Neisseria gonorrhoeae</i> Proteins IA and IB. Stefan Schmitt, Gerlinde Layh, and Thomas B. Buchanan....	841-845
Granuloma Formation and Hemopoiesis Induced by C₃₆₋₄₈-Mycolic Acid-Containing Glycolipids from <i>Nocardia rubra</i>. Kenji Kaneda, Yukie Sumi, Fusako Kurano, Yoshiko Kato, and Ikuya Yano	869-875
Pneumococcal Intracellular Killing Is Abolished by Polysaccharides despite Serum Complement Activity. Jo E. Schweinle	876-881
Molecular Characterization of Proteins from Porcine Spirochetes. L. A. Joens and R. B. Marquez	893-896

Continued on following page

Active Immunization of Hamsters against Experimental Infection with <i>Borrelia burgdorferi</i>. Russell C. Johnson, Carrie Kodner, and Marie Russell	897–898
Antigenic Variation of <i>Borrelia</i> spp. in Relapsing Fever. Karen Sue C. Kehl, Silas G. Farmer, Richard A. Komorowski, and Konstance K. Knox	899–902
Selective Infection of Astrocytes by <i>Chlamydia trachomatis</i> in Primary Mixed Neuron-Glial Cell Cultures. Daniel Levitt, Ruth Danen, and Pat Levitt . . .	913–916
Modulation of Lysosomal Protease-Esterase and Lysozyme in Kupffer Cells and Peritoneal Macrophages Infected with <i>Nocardia asteroides</i>. Carolyn M. Black, Mary Paliescheskey, Blaine L. Beaman, Richard M. Donovan, and Elliot Goldstein	917–919
Stability of Expression of <i>Neisseria gonorrhoeae</i> Lipooligosaccharides. Herman Schneider, Craig A. Hammack, Barry A. Shuman, and J. McLeod Griffiss	924–927
Cross-Reactions of Lipopolysaccharides of <i>Pseudomonas aeruginosa</i> in Antipneumococcal and Other Antisera. Michael Heidelberger, Derek Horton, and Theodore H. Haskell.	928–930

FUNGAL AND PARASITIC INFECTIONS AND IMMUNITY

Stage-Specific and Species-Specific Antigens of <i>Plasmodium vivax</i> and <i>Plasmodium ovale</i> Defined by Monoclonal Antibodies. Patricia M. Andrysiak, William E. Collins, and Gary H. Campbell	609–612
An 88,000-M_r <i>Giardia lamblia</i> Surface Protein Which Is Immunogenic in Humans. Clark M. Edson, Michael J. G. Farthing, David A. Thorley-Lawson, and Gerald T. Keusch	621–625
Development and Characterization of <i>Histoplasma capsulatum</i>-Reactive Murine T-Cell Lines and Clones. George S. Deepe, Jr., James G. Smith, Gerald Sonnenfeld, David Denman, and Ward E. Bullock	714–722
Eosinophil Chemotactic Lymphokine Produced by Egg-Associated Granulomas in Murine Schistosomiasis Japonicum. Makoto Owhashi, Haruhiko Maruyama, and Yukifumi Nawa.	723–727
Strain Variation in Composition and Molecular Size of the Capsular Polysaccharide of <i>Cryptococcus neoformans</i> Serotype A. James M. Small, Thomas G. Mitchell, and Robert W. Wheat	735–741
Binding of Purified and Radioiodinated Capsular Polysaccharides from <i>Cryptococcus neoformans</i> Serotype A Strains to Capsule-Free Mutants. James M. Small and Thomas G. Mitchell	742–750
Changes in Isoenzyme Patterns of a Cloned Culture of Nonpathogenic <i>Entamoeba histolytica</i> during Axenization. David Mirelman, Rivka Bracha, Ada Wexler, and Ann Chayen.	827–832
Identification of Two Germ-Tube-Specific Cell Wall Antigens of <i>Candida albicans</i>. Jose Ponton and Jeffrey M. Jones	864–868
Clearance of <i>Giardia muris</i> Infection in Mice Deficient in Natural Killer Cells. Martin F. Heyworth, Jacob E. Kung, and Eréne C. Eriksson	903–904
Effect of T-Lymphocyte Suppression on the Parasite Burden in <i>Leishmania major</i>-Infected, Genetically Susceptible BALB/c Mice. Werner Solbach, Karsten Forberg, and Martin Röllinghoff	909–912

ORAL MICROBIOLOGY AND IMMUNITY

Interactions of <i>Bacteroides gingivalis</i> with Fibrinogen. Marilyn S. Lantz, Randal W. Rowland, Lech M. Świtalski, and Magnus Höök	654–658
---	---------

Purification and Properties of Hemagglutinin from Culture Supernatant of <i>Bacteroides gingivalis</i>. Katsuji Okuda, Ayako Yamamoto, Yuko Naito, Ichiro Takazoe, Jørgen Slots, and Robert J. Genco	659–665
Characterization of Immune Response to Oral Administration of <i>Streptococcus sobrinus</i> Ribosomal Preparations in Liposomes. Richard L. Gregory, Suzanne M. Michalek, Gloria Richardson, Cecily Harmon, Tracy Hilton, and Jerry R. McGhee	780–786
The Use of Monoclonal Antibodies to Detect <i>Bacteroides gingivalis</i> in Biological Samples. Priscilla Chen, Victor Bochacki, Homer Reynolds, Janet Beanan, Dimitris Tatakis, Joseph Zambon, and Robert J. Genco	798–803
Potential Role of Lysozyme in Bactericidal Activity of In Vitro-Acquired Salivary Pellicle against <i>Streptococcus faecium</i> 9790. Greg R. Germaine and Lois M. Tellefson	846–854

PATHOGENESIS

Correlation of the Virulence of <i>Klebsiella pneumoniae</i> K1 and K2 with the Presence of a Plasmid Encoding Aerobactin. Xavier Nassif and Philippe J. Sansonetti	603–608
Use of a Monoclonal Antibody to Determine the Mode of Transmembrane Pore Formation by Streptolysin O. Ferdinand Hugo, Johannes Reichwein, Mardjan Arvand, Sylvia Krämer, and Sucharit Bhakdi	641–645
Analysis of the Genetic Determinants Coding for the S-Fimbrial Adhesin (<i>sfa</i>) in Different <i>Escherichia coli</i> Strains Causing Meningitis or Urinary Tract Infections. Manfred Ott, Jörg Hacker, Thomas Schmoll, Thomas Jarchau, Timo K. Korhonen, and Werner Goebel	646–653
Purification and Characterization of <i>Clostridium perfringens</i> Iota Toxin: Dependence on Two Nonlinked Proteins for Biological Activity. Bradley G. Stiles and Tracy D. Wilkins	683–688
Specific Attachment of <i>Staphylococcus aureus</i> to Immobilized Fibronectin. Ingemar Maxe, Cecilia Rydén, Torkel Wadström, and Kristofer Rubin	695–704
Plasmid RP1-Mediated Susceptibility of <i>Acinetobacter calcoaceticus</i> to Rat Polymorphonuclear Leukocyte Granule Contents. Michael J. Loeffelholz and Malcolm C. Modrzakowski	705–709
Contribution of Cloned Virulence Factors from Uropathogenic <i>Escherichia coli</i> Strains to Nephropathogenicity in an Experimental Rat Pyelonephritis Model. Reinhard Marre, Jörg Hacker, Wolfgang Henkel, and Werner Goebel	761–767
Siderophore Production by <i>Pasteurella multocida</i>. S.-P. Hu, L. J. Felice, V. Sivanandan, and S. K. Maheswaran	804–810
Role of Interleukin-1 in the Depression of Liver Drug Metabolism by Endotoxin. Pietro Ghezzi, Beatrice Saccardo, Pia Villa, Vincenzo Rossi, Marina Bianchi, and Charles Dinarello	837–840
Ultrastructural Study of Mode of Entry of <i>Chlamydia psittaci</i> into L-929 Cells. Richard L. Hodinka and Priscilla B. Wyrick	855–863
Role of <i>Escherichia coli</i> Alpha-Hemolysin and Bacterial Adherence in Infection: Requirement for Release of Inflammatory Mediators from Granulocytes and Mast Cells. B. König, W. König, J. Scheffer, J. Hacker, and W. Goebel	886–892
Piracy of Adhesins: Attachment of Superinfecting Pathogens to Respiratory Cilia by Secreted Adhesins of <i>Bordetella pertussis</i>. Elaine Tuomanen	905–908

IMMUNE MECHANISMS

Immunobiological Activities of Synthetic Lipid A Analogs with Low Endotoxicity. Shozo Kotani, Haruhiko Takada, Ichiro Takahashi, Tomohiko Ogawa, Masachika Tsujimoto, Hidetoshi Shimauchi, Takako Ikeda, Haruki Okamura, Toshihide Tamura, Kazuhiro Harada, Shigenori Tanaka, Tetsuo Shiba, Shoichi Kusumoto, and Tetsuo Shimamoto	673-682
Interaction of Complement with Serum-Sensitive and Serum-Resistant Strains of <i>Pseudomonas aeruginosa</i>. Neal L. Schiller and Keith A. Joiner	689-694
Human Immune Response to Iron-Repressible Outer Membrane Proteins of <i>Neis- seria meningitidis</i>. John R. Black, David W. Dyer, Martin K. Thompson, and P. Frederick Sparling	710-713
Role of Mononuclear Phagocytes in Expression of Resistance and Susceptibility to <i>Mycobacterium avium</i> Infections in Mice. R. W. Stokes, I. M. Orme, and F. M. Collins	811-819
Anti-L3T4 Antibody Treatment Suppresses Hepatic Granuloma Formation and Abrogates Antigen-Induced Interleukin-2 Production in <i>Schistosoma mansoni</i> Infection. Ranjit C. Mathew and Dov L. Boros	820-826
Influence of Mouse Genotype on Passive Systemic Anaphylaxis by Immune Complexes. Antonio Portolés, José M. Rojo, and Ramón Díaz	882-885
Secretory Immunoglobulin A Response following Peroral Priming and Challenge with <i>Shigella flexneri</i> Lacking the 140-Megadalton Virulence Plasmid. David F. Keren, Roderick A. McDonald, and Samuel B. Formal	920-923

ERRATA

Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis and Monoclonal Anti- bodies as Tools for the Subgrouping of <i>Escherichia coli</i> Lipopolysaccharide O18 and O23 Antigens. Gerd Pluschke, Albrecht Moll, Barica Kusecek, and Mark Achtman	931
Cloning of a <i>Streptococcus mutans</i> Glucosyltransferase Gene Coding for Insoluble Glucan Synthesis. H. Aoki, T. Shiroza, M. Hayakawa, S. Sato, and H. K. Kuramitsu	931

Date of Issue: 26 November 1986

CHANGE IN METHOD OF DELIVERY FOR SUBSCRIPTIONS OUTSIDE THE UNITED STATES

For the past several years, ASM journal subscriptions have been fulfilled via air drop shipment to central distribution points, from which the issues were then mailed. Unfortunately, we can no longer afford this service. To hold down drastically rising costs, we have arranged to distribute our journals through surface drop shipment followed by mailing. Subscribers outside the United States will receive their issues two to three weeks later than heretofore, for which we are deeply regretful. There was no way that we could continue the previous service at its very expensive and continually increasing cost.

This change in mode of delivery will be effective beginning with the November issues. Subscribers within the United States and subscribers from abroad who are paying the surcharge for direct air mail shipment will be unaffected by the change.