

- 2:45 80. Inhibition of Hepatitis B Virus Replication In Vitro by Antisense Oligonucleotides. B. Korba, F. Wells, K. Jones, R. Engle, A. Buckler-White, and J. Gerin. *Georgetown University Medical Center, Rockville, MD, USA.*
- 3:00 81. The Secretion of Human Hepatitis B Virus is Inhibited by the Imino Sugar, N-Butyl-Deoxynojirimycin. T.M. Block, X. Lu, F.M. Platt, G.R. Foster, W.H. Gerlich, B.S. Blumberg, and R.A. Dwek. *Jefferson Medical College, Philadelphia, PA; University of Oxford, Justus Liebig Universität, Giessen, Germany; and St. Mary's Hospital, London, UK.*
- 3:15 82. Antiviral Activity of Penciclovir, A Novel Antiherpesvirus Compound, Against Duck Hepatitis B Virus In Vitro. S.A. Locarnini, T. Shaw, P. Amor, and M.R. Boyd. *Fairfield Hospital, and Macfarlane Burnet Centre for Medical Research, Fairfield, Victoria, Australia; and SmithKline Beecham Pharmaceuticals, Surrey, UK.*
- 3:30 83. Inhibition of Duck Hepatitis B Virus DNA Polymerase by the Triphosphate of Fialuridine. A.J. Schilke, K.A. Staschke, and J.M. Colacino. *Lilly Research Laboratories, Indianapolis, IN, USA.*
- 3:45 84. Effects of IFN γ on HBV Gene Expression in Transgenic Mice. H. Ueda, G. Jay, and J.D. Gangemi. *Jerome H. Holland Laboratory, Rockville, MD; and Clemson University-Greenville Hospital System, Clemson, SC, USA.*
- 4:00 85. Development of (-)- β -D-2,6-Diaminopurine Dioxolane as a Potential Antiviral Agent. R.F. Schinazi, H.M. McClure, F.D. Boudinot, Y. Jxiang, and C.K. Chu. *VA Medical Center, Emory University, Decatur, GA; Yerkes Regional Primate Research Center, Emory University, Atlanta, GA, and University of Georgia, Athens, GA, USA.*
- 4:15 86. A Phase I/II Open-Label Study to Assess the Safety, Pharmacokinetic Profile, and Preliminary Antiviral Effects of OST-577 (a Human Anti-Hepatitis B Surface Antigen Monoclonal Antibody) Administered to Patients who are Persistently Hepatitis B Antigen Seropositive. D.P. Paar, B.M. Montgomerie, P. Nadler, E.R. Schiff, and R.B. Pollard. *The University of Texas Medical Branch at Galveston, Galveston, TX; Protein Design Labs, Mountain View, CA; and The University of Miami, Miami, FL, USA*

Poster Session II: Herpesvirus Infections

4:30-6:30pm

87. Syntheses and In Vivo Antiviral Activity of Prodrugs of an N7-Isomeric Acyclic Nucleoside Analogue. G. Jähne, G. Gross, M. Helsenberg, T.H. Scholl, and I. Winkler. *Hoechst AG, Frankfurt am Main, Germany.*

88. n Vitro and In Vivo Activity of the N-7 Isomeric Acyclic Nucleoside Analogue 2242 Against an Acyclovir/Foscarnet-Resistant Herpes Simplex Virus Type 1 Clinical Isolate. R. Snoeck, M. Helsberg, G. Jähne, I. Winkler, G. Andrei, J. Neyts, and E. De Clercq. *Katholieke Universiteit Leuven, Leuven, Belgium; and Hoechst AG, Frankfurt am Main, Germany.*
89. 5-Heteroaromatic Substituted 2'Deoxyuridines as Anti-HSV-1 Agents: Synthesis, Antiviral Activity, and Structure-Activity Relationship. P. Herdewijn, A. Olivier, L. Wang, C. Bohman, I. Creuven, A. Van Aerschot, P. Wigerinck, L. Wiebe, J. Balzarini, E. De Clercq, and F. Durant. *Katholieke Universiteit Leuven, Belgium; Universitaires Notre-Dame de la Paix, Namur, Belgium; and University of Alberta, Edmonton, Canada.*
90. Carboxy-terminal Peptidomimetics of the Herpes Simplex Virus Ribonucleotide Reductase Small Subunit Inhibit Viral Replication and Potentiate the Antiviral Activity of Acyclovir. M. Liuzzi, R. Dziel, N. Moss, R. Plante, P. Beaulieu, R.L. Krogsrud, A.-M. Bonneau, J.G. Chafouleas, and Y. Guindon. *Bio-Méga/Boehringer Ingelheim Research, Inc., Laval, Quebec, Canada.*
91. Antiviral Activity and Mode of Action of a Sulfated Galactan from Pterocladia Capillaceae. E.B. Damonte, C.A. Pujol, M.I. Errea, M.C. Matulewicz, and C.E. Coto. *Universidad de Buenos Aires, Buenos Aires, Argentina.*
92. Inhibition of Herpes Simplex type 1 by Meliacine, A Peptide of Plant Origin. S.M. Villamil, L.E. Alch, and C.E. Coto. *Faculty of Sciences, University of Buenos Aires, Buenos Aires, Argentina.*
93. Comparative Antiviral Activity of Compounds Against Thymidine-Kinase Deficient Acyclovir Resistant Mutants of Herpes Simplex Virus Type 1 C.-K. Lee, S.K. Hong, and H.S. Kim. *Korea Research Institute of Chemical Technology, Taejeon, Korea.*
94. In Vitro Selection of an Herpes Simplex Virus Type 1 (HSV-1) Mutant Resistant to the N7-Isomeric Acyclic Nucleoside Analogue 2242. G. Andrei, R. Snoeck, M. Helsberg, G. Jähne, and E. De Clercq. *Katholieke Universiteit Leuven, Leuven, Belgium; and Hoechst AG, Frankfurt am Main, Germany.*
95. In Vitro Activity of the Herpes Simplex Virus Type 1 and Cytomegalovirus Proteases with Peptide Substrates. J.T. Stevens, D.R. O'Boyle II, C. Mapelli, J. Tsao, S.P. Weinheimer, R.J. Colonno, and C.L. DiIanni. *Bristol-Myers Squibb PRI, Princeton, NJ, USA.*

96. Effect of Zn-complexes on HSV-2 Infection In Vitro. T. Varadinova, S. Shishkov, P. Bontchev, C. Nachev, and N. Tjufekchiev. *University of Sofia, Sofia, Bulgaria.*
97. Effect of Human Recombinant and Recombinant Hybrid Alpha-Interferons on the Replication of Herpes Simplex Virus Type 1 in Human Fibroblast and Neuroblastoma Cells. S. Chatterjee, P. Burns, J.D. Gangemi, and R.J. Whitley. *University of Alabama School of Medicine, Birmingham, AL; and Clemson University Biomedical Alliance, Clemson, SC, USA.*
98. Immunoprophylactic Strategies for Prevention of Genital Herpes Simplex Virus Infections. J. Palmer, P.E. Vogt, M.S. Co, B. Roizman, R.J. Whitley, and E.R. Kern. *University of Alabama School of Medicine, Birmingham, AL; Protein Design Labs, Mountain View, CA; and University of Chicago, Chicago, IL, USA.*
99. Comparison of Penciclovir with Acyclovir for Treatment of Severe Herpes Simplex Virus Infections of Mice. P.E. Vogt, M.J. Pike, C. Hartline, and E.R. Kern. *Univ. of Alabama School of Medicine, Birmingham, AL, USA.*
100. Pretreatment with Topical Capsaicin (0.25%) Does Not Prevent UV Light- induced Reactivation of Herpes Labialis (HL). J. Dumois, S. Straus, B. Savarese, C. Wohlenberg, A.L. Notkins, and J. Rooney. *NIDR, NIAID, NIH, Bethesda, MD; and Burroughs Wellcome Co., Research Triangle Park, NC, USA.*
101. Evaluation of Retinal Toxicity and Efficacy of a Phosphorothioate Antisense Against Herpes Retinitis in a Rabbit Model. M. Flores-Aguilar, G. Besen, C. Vuong, P. Gangan, M. Tatebayashi, K. Anderson, and W.R. Freeman. *University of California, San Diego, Shiley Eye Center, La Jolla, CA; and ISIS Pharmaceuticals, Carlsbad, CA, USA.*
102. Inhibition of Herpes Simplex Virus Type 1 Replication by a Hybrid E. coli Heat-labile Enterotoxin B subunit. A. Marcello, A. Loregian, and G. Pal. *University of Padova, Padova, Italy.*
103. The N7-Isomeric Acyclic Nucleoside Analogue 2242 is a Potent and Selective Inhibitor of Cytomegalovirus Replication. J. Neyts, R. Snoeck, G. Andrei, M. Helsenberg, G. Jähne, and E. De Clercq. *Katholieke Universiteit Leuven, Leuven, Belgium, and Hoechst AG, Frankfurt am Main, Germany.*
104. Activity Against Human Cytomegalovirus, Cytotoxicity and Mode of Action of a Non-Nucleoside Pyrrolo[2,3-d]pyrimidine. T.E. Renau, L.B. Townsend, and J.C. Drach. *University of Michigan, Ann Arbor, MI, USA.*

105. Structure-Activity Relationships of Non-Nucleoside Pyrrolopyrimidine Analogs Active Against Human Cytomegalovirus. T.E. Renau, J.C. Drach, and L.B. Townsend. *University of Michigan, Ann Arbor, MI, USA.*
106. Anti-human Cytomegalovirus (HCMV) Activity of Sulfonated Anthraquinones. D.L. Barnard, T.L. Gage, and R.W. Sidwell. *Utah State University, Logan, UT, USA.*
107. Treatment of Murine Cytomegalovirus (MCMV) Infections in Cell Culture and in Immunocompromised Mice Using Antibodies to MCMV Alone and In Combination with Ganciclovir (GCV) or (S)-1-(3-hydroxy-2-phosphonyl methoxypropyl)cytosine (HPMPC). D.F. Smee, S.T. Sugiyama, R.W. Sidwell, and B.B. Barnett. *Utah State University, Logan, UT, USA.*
108. Cyclocreatine (1-carboxymethyl-2-iminoimidazolidine) Inhibits HCMV at or Near the Stage of DNA Replication. L.J. Hansen, J.W. Lillie, D.L. Barnard, J.H. Huffman, S. Rook, G. Mulamba, R.W. Sidwell, and R. Kaddurah-Daouk. *AMIRA, Inc., Cambridge, MA; and Utah State University, Logan, UT, USA.*
109. Phase I Trial of a New Anti-cytomegalovirus Agent, (S)-1[3-hydroxy-2 (phosphonyl-methoxy) propyl] cytosine (HPMPC), in HIV-infected Volunteers. M. Wachsmann, B.G. Petty, H.S. Jaffe, K. Cundy, P. Fisher and P.S. Lietman. *The Johns Hopkins University School of Medicine, Baltimore, MD; and Gilead Sciences, Inc., Foster City, CA, USA.*
110. The Safety, Pharmacokinetics, and Anti-CMV Activity of Weekly HPMPC in HIV Positive Patients Excreting CMV. W.L. Drew, J.P. Lalezari, E. Glutzer, J.C. Martin, P.E. Fisher, and H.S. Jaffe. *Mount Zion Medical Center of UCSF, San Francisco, CA; and Gilead Sciences, Inc., Foster City, CA, USA.*
111. Comparative Activity of Selected Antiviral Compounds on In Vitro Replication of Varicella Zoster Virus Clinical Strains. G. Andrei, R. Snoeck, M. Helsenberg, G. Jähne, and E. De Clercq. *Katholieke Universiteit Leuven, Leuven, Belgium; and Hoechst AG, Frankfurt am Main, Germany.*
112. Activity of Azidothymidine (AZT) in Combination with Several Antiviral Nucleosides Against Varicella Zoster Virus (VZV) Replication In Vitro. R. Snoeck, G. Andrei, J. Balzarini, D. Reymen, and E. De Clercq. *Katholieke Universiteit Leuven, Leuven, Belgium.*
113. Comparison of Selective Indexes of Anti-Varicella-Zoster Virus Activity of Nucleoside Analogues. H. Machida, M. Nishitani, Y. Watanabe, Y. Yoshimura, F. Kano, and S. Sakata. *Yamasa Corporation, Choshi, Japan.*

114. Prolonged Activity of Penciclovir in Cell Culture Against Varicella-Zoster Virus. R. Standring-Cox, T.H. Bacon, B.A. Howard, J. Gilbert, and M.R. Boyd. *Smith Kline Beecham Pharm., Great Burgh, Epsom, Surrey, UK.*
115. Uracil Incorporation into Thymidine Kinase Deficient Varicella-Zoster Virus DNA. T. Yokota, K. Konno, S. Mori, and S. Shigeta. *Rational Drug Design Laboratories, Fukushima; and Fukushima Medical College, Fukushima, Japan.*
116. Highly Bioavailable Prodrugs of the Potent Anti-Varicella Zoster Virus Agent, 1-(β -D-arabinofuranosyl)-5-prop-1-ynyluracil (882C87). S.G. Rahim, N. Trivedi, M.J. Pether, D.J.M. Purifoy, P. Collins, and K.L. Powell. *Wellcome Research Laboratories, Beckenham, Kent, UK.*
117. GR95168X (Chiral Carbocyclic BVdU) is Highly Effective Against Simian Varicella Virus Infections of African Green Monkeys. R.E. Boehme, A. Beresford, G.J. Hart, S.J. Angier, G. Thompson, C. Van Wely, J.L. Huang, P. Mack, and K.F. Soike. *Glaxo Group Res. Ltd., Greenford Middlesex, UK; and Tulane Regional Primate Research Center, Covington, LA, USA.*
118. Famciclovir: Confirmed Efficacy of 250mg t.i.d. for the Treatment of Herpes Zoster (HZ) Infection. M. Candaele, D. Candaele, and The Famciclovir Herpes Zoster Clinical Study Group, *Gent, Belgium.*
119. Famciclovir in the Treatment of Herpes Zoster (HZ) Infection. J. Portnoy and The Famciclovir Herpes Zoster Clinical Study Group, *Jewish General Hospital, Montreal, Quebec, Canada.*
120. Expression and Functional Characterization of Epstein-Barr Virus DNA Polymerase in Insect Cells Infected with a Recombinant Baculovirus. E.C. Mar and J.C. Lin. *Centers for Disease Control and Prevention, Atlanta, GA, USA.*
121. Comparative Activity of Penciclovir and Acyclovir Against Epstein-Barr Virus. T.H. Bacon and M.R. Boyd. *Smith Kline Beecham Pharmaceuticals, Great Burgh, Epsom, Surrey, UK.*
122. Antiviral Activity of Triciribine and Triciribine Monophosphate Against Human Herpesvirus Type 6. D.E. Ickes, C. Shipman, Jr., and J.C. Drach. *University of Michigan, Ann Arbor, MI, USA.*
123. In Vitro and In Vivo Metabolism of HOE 961. G. Gross T. Scholl, G. Jähne, I. Winkler, and M. Helsberg. *Hoechst AG, Frankfurt am Main, Germany.*
124. Pharmacokinetics and Therapeutic Efficacy of Prodrugs of N7-Isomeric Acyclic Nucleoside Analogues in Animals. I. Winkler, M. Helsberg, G. Gross, G. Jähne, and T. Scholl. *Hoechst AG, Frankfurt am Main, Germany.*

125. The Tolerability and Pharmacokinetics of 882C87, a Potent Anti-VZV Agent, after 400mg or 800mg Once-Daily Dosing for One Week in Elderly Volunteers. R.W. Peck, P. Crome, J. Callaghan, R. Wiggs, and J. Posner. *Wellcome Research Laboratories, Beckenham, Kent; and Orpington Hospital, Orpington, Kent, UK.*
126. Studies on the In Vivo Synthesis and In Vitro Biochemical Properties of Penciclovir Triphosphate. E. Littler, D. Sangar, W. Miller, M. Ellis, V. Parmer, W. Alderton, and D. Lowe. *Wellcome Research Laboratories, Kent, UK; and Burroughs Wellcome Co., Research Triangle Park, NC, USA.*
127. Pharmacokinetics and Metabolism of Systemic Administration of 1-(2-Deoxy-2-Fluoro- β -D-Arabinofuranosyl)-5-Iodo-2,4(1H,3H)-Pyrimidinedione (FIAU) in Hartley Guinea Pigs. J.P. Sommadossi, E.M. Cretton, L.B. Kidd, P.E. Vogt, J. Palmer, D. Adair, and E.R. Kern. *University of Alabama School of Medicine, Birmingham, AL; and Oclassen Pharmaceuticals, San Rafael, CA, USA.*
128. The Disposition in Rats and Monkeys of 2-Bromo-5,6-dichloro-1-(β -D-ribofuranosyl)-benzimidazole (BDCRB) and its 2,5,6-Trichloro Congener (TCRB). S.S. Good, B.S. Owens, L.B. Townsend, and J.C. Drach. *Wellcome Research Laboratories, Research Triangle Park, NC; and University of Michigan, Ann Arbor, MI, USA.*
129. New Micromethod for Titration of DNA Viruses Encoding Thymidine Kinase. M. Dragún, J. Dragúnová, B. Rada, and J. Peslová. *Slovak Academy of Sciences, Bratislava, Slovakia.*
130. Antiherpes Effect of Dextran Sulphate Combined with Acyclovir In Vitro and In Vivo. S.N. Pancheva. *Bulgarian Academy of Sciences, Sofia, Bulgaria.*
131. Effect of the Gamma Interferon (γ) Alone and in Combination on the Replication of the Human Cytomegalovirus. N.N. Nossik and N.H. Fathutdinova. *The D.I. Ivanovsky Institute of Virology, Moscow, Russia.*
132. Selective Anti HSV-1 (TK-) Activity of 9-(2-Hydrogenphosphonyl-Hydroxyethoxymethyl) Guanine and its Combined Effects with Glycyrrhisine and Ribavirine. G.A. Galegov, E.Y. Grammatikova, and V.M. Shobukhov. *The D.I. Ivanovsky Institute of Virology, Moscow, Russia.*
133. Proliferative Activity of VERO Cells, Infected with HSV-1 Variants Resistant to Acyclovir and Phosphonoacetic Acid. S.N. Nikolaeva, E.I. Boreko, I.R. Erokhina, and V.I. Votyakov. *Byelorussian Institute for Epidemiology and Microbiology, Minsk, Republic of Byelorussia.*