



## **Guidelines for Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents**

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## DHHS Panel on Guidelines for the Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents, Panel Roster

These Guidelines were developed by the Department of Health and Human Services (DHHS) Panel on Guidelines for the Prevention and Treatment of Opportunistic Infections.

### *Panel Co-Chairs:*

Henry Masur	National Institutes of Health, DHHS, Bethesda, MD
Jonathan E. Kaplan	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
King K. Holmes	University of Washington Harbor View Medical Center, Seattle, WA
Constance Benson	University of California San Diego, CA

### *Editors:*

Alice Pau	National Institutes of Health, DHHS, Bethesda, MD
John T. Brooks	Centers for Disease Control and Prevention, DHHS, Atlanta, GA

### *Members of the Panel:*

Jorge Alvar	World Health Organization, Geneva
Neil Ampel	University of Arizona, Tucson, AZ
Jean R. Anderson	Johns Hopkins University, Baltimore, MD
Michael Augenbraun	SUNY Downstate Medical Center, Brooklyn, NY
Henry H. Balfour, Jr.	University of Minnesota, Minneapolis, MN
Nesli Basgoz	Massachusetts General Hospital, Harvard Medical School, Boston, MA
Corey Casper	University of Washington, Seattle, WA
Suwat Chariyalertsak	Chiang Mai University, Thailand
Raymond Chung	Massachusetts General Hospital, Boston, MA
Paola Cinque	San Raffaele Scientific Institute, Milan, Italy
Myron Cohen	University of North Carolina, Chapel Hill, NC
David Cohn	Denver Public Health, Denver, CO
Judith Currier	University of California Los Angeles, CA
Susan Cu-Uvin	Brown Center for AIDS Research, Providence, RI
Elizabeth S. Didier	Tulane National Primate Research Center, Covington, LA
Susan Dorman	Johns Hopkins University School of Medicine, Baltimore, MD
Kenneth H. Fife	Indiana University School of Medicine, Indianapolis, IN
Timothy Flanagan	Brown Medical School, Providence, RI
Caspar Franzen	Universität Regensburg, Germany
Hansjakob Furrer	University Hospital and University of Bern, Switzerland
John W. Gnann, Jr.	University of Alabama, Birmingham, AL
Fred Gordin	Veterans Affairs Medical Center, Washington, DC
Paul D. Griffiths	Royal Free and University College Medical School, United Kingdom
Lynn Guptill-Yoran	Purdue University School of Veterinary Medicine, West Lafayette, IN
Edward Hook III	University of Alabama, Birmingham, AL
Robert Horsburgh	Boston University School of Public Health, Boston, MA
Laurence Huang	San Francisco General Hospital, San Francisco, CA
Douglas Jabs	The Mount Sinai School of Medicine, New York, NY
Mamta Jain	University of Texas Southwestern Medical Center, Dallas, TX
Grace John-Stewart	University of Washington, Seattle, WA
Pacharee Kantipong	Chiangrai Regional Hospital, Thailand
Carol A. Kauffman	University of Michigan, Veterans Affairs Ann Arbor Healthcare System, MI
Rupert Kaul	University of Toronto, Canada
David W. Kimberlin	University of Alabama, Birmingham, AL
Jane Koehler	University of California San Francisco, CA

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HIV-Infected Adults and Adolescents, Panel Roster**

***Members of the Panel: (cont'd)***

Igor J. Koralnik	Beth Israel Deaconess Medical Center, Boston, MA
Margaret James Koziel	Beth Israel Deaconess Medical Center, Boston, MA
Peter Leone	University of North Carolina, Chapel Hill, NC
James Maguire	Brigham and Women's Hospital, Boston, MA
Christina Marra	University of Washington, Seattle, WA
Scott McClelland	University of Washington, Seattle, WA
Barbara McGovern	Tufts University School of Medicine, Jamaica Plain, MA
Ian R. McNicholl	University of California, San Francisco, San Francisco, CA
Robert F. Miller	University College London, United Kingdom
José Miró	Hospital Clinic- IDIBAPS. University of Barcelona, Spain
Alison Morris	University of Pittsburgh Medical School, Pittsburgh, PA
Payam Nahid	University of California San Francisco at San Francisco General Hospital, CA
Mindie Nguyen	Stanford University, Palo Alto, CA
Michael S. Niederman	Winthrop-University Hospital, Mineola, NY
James Oleske	University of Medicine and Dentistry of New Jersey, Newark, NJ
Luis Ostrosky-Zeichner	University of Texas Health Science Center, Houston, TX
Joel Palefsky	University of California, San Francisco, San Francisco, CA
Peter G. Pappas	University of Alabama School of Medicine, Birmingham, AL
Charles A. Peloquin	National Jewish Medical and Research Center, Denver, CO
Marion Peters	University of California, San Francisco, San Francisco, CA
Daniel Podzamczar	Hospital Universitari de Bellvitge, Spain
Richard W. Price	University of California San Francisco, San Francisco, CA
Thomas C. Quinn	Johns Hopkins School of Medicine, Baltimore, MD
Sanjay G. Revankar	Wayne State University School of Medicine, Detroit, MI
Anne Rompalo	Johns Hopkins School of Medicine, Baltimore, MD
Cynthia L. Sears	Johns Hopkins School of Medicine, Baltimore, MD
Kent Sepkowitz	Memorial Sloan Kettering Cancer Center, New York, NY
Kenneth Sherman	University of Cincinnati, Cincinnati, OH
Jack Sobel	Wayne State University Medical Center, Detroit, MI
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Kathleen Squires	Jefferson Medical College, Philadelphia, PA
Bradley Stoner	Washington University in St. Louis, St. Louis, MO
Howard D. Strickler	Albert Einstein College of Medicine, Bronx, NY
Mark Sulkowski	Johns Hopkins University, Baltimore, MD
Khuanchai Supparatpinyo	Chiang Mai University, Thailand
Andrew Talal	Weill Medical College of Cornell University, New York, NY
Ruth E. Tuomala	Brigham and Women's Hospital, Boston, MA
Jose A. Vazquez	Henry Ford Health System, Detroit, MI
Anna Wald	University of Washington, Seattle, WA
Christine Wanke	Tufts University School of Medicine, Boston, MA
Louis Weiss	Albert Einstein College of Medicine, Bronx, NY
George Wendel	University of Texas Southwestern Medical School, Dallas, TX
A. Clinton White, Jr.	University of Texas Medical Branch, Galveston, TX
Murray Wittner	Albert Einstein College of Medicine, Bronx, NY
Kimberly Workowski	Emory University, Atlanta, GA

## **DHHS Panel on Guidelines for the Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents, Panel Roster**

### ***Participants from the Department of Health and Human Services:***

John Bennett	National Institutes of Health, DHHS, Bethesda, MD
Caryn Bern	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Victoria Cargill	National Institutes of Health, DHHS, Seattle, WA
Kenneth Castro	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Eileen F. Dunne	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Robert Eisinger	National Institutes of Health, DHHS, Bethesda, MD
Alyssa Finlay	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Letha Healey	National Institutes of Health, DHHS, Bethesda, MD
Barbara Herwaldt	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Joseph Kovacs	National Institutes of Health, DHHS, Bethesda, MD
Lynne Mofenson	National Institutes of Health, DHHS, Rockville, MD
Anne Moore	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Gina Mootrey	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Caryn G. Morse	National Institutes of Health, DHHS, Bethesda, MD
Monica Parise	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Benjamin J. Park	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Michael Polis	National Institutes of Health, DHHS, Bethesda, MD
Sophia Siddiqui	National Institutes of Health, DHHS, Bethesda, MD
Larry Slutsker	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
M. Elsa Villarino	Centers for Disease Control and Prevention, DHHS, Atlanta, GA
Heather Watts	National Institutes of Health, DHHS, Rockville, MD
Paul J. Weidle	Centers for Disease Control and Prevention, DHHS, Atlanta, GA

### ***Panel Reviewers:***

Judith Aberg	New York University, New York, NY
Miriam J. Alter	University of Texas Medical Branch, Galveston, TX
Roberto Badaro	University of California, San Diego, La Jolla, CA
A. Cornelius Baker	Whitman-Walker Clinic, Washington, DC
John Bartlett	Johns Hopkins University, Baltimore, MD
Pedro Cahn	Fundación Huesped, Argentina
Richard E. Chaisson	Johns Hopkins University, Baltimore, MD
Wafaa El-Sadr	Harlem Hospital, New York, NY
Judith Feinberg	University of Cincinnati, Cincinnati, OH
Kenneth A. Freedberg	Harvard Medical School, Boston, MA
Jose M. Gatell	Unidad de Enfermedades Infecciosas, Spain
Peter A. Gross	Hackensack University Medical Center, Hackensack, NJ
Diane Havlir	University of California, San Francisco, San Francisco, CA
Thomas M. Hooton	University of Miami Miller School of Medicine, Miami, FL
Edward Janoff	University of Colorado, Denver, CO
Mari Kitahata	University of Washington, Seattle, WA
Jens Lundgren	University of Copenhagen, Denmark
Richard D. Moore	Johns Hopkins University, Baltimore, MD
James Neaton	University of Minnesota, Minneapolis, MN
David Rimland	Veterans' Affairs Medical Center and Emory University School of Medicine, Decatur, GA
Paul E. Sax	Brigham and Women's Hospital, Boston, MA
Michael Tapper	Lenox Hill Hospital, New York, NY
Chloe Thio	Johns Hopkins University School of Medicine, Baltimore, MD
David Thomas	Johns Hopkins University, Baltimore, MD
Thomas C. Wright, Jr.	Columbia University Medical Center, New York, NY

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Financial Conflict of Interest Disclosure – June 2009

Name	Panel Status	Company	Relationship
Judith Aberg	R	Abbott Bristol-Myers Squibb  Gilead GlaxoSmithKline  Merek  Pfizer Roche  Tibotec Boehringer Ingelheim	<ul style="list-style-type: none"> <li>• Advisory Board, Honoraria</li> <li>• Advisory Board, Grant recipient, Honoraria</li> <li>• Advisory Board, Honoraria,</li> <li>• Advisory Board, Honoraria, Research support-industry sponsored study</li> <li>• Research support for ACTG industry sponsored study</li> <li>• Research support-industry sponsored study</li> <li>• Advisory Board, Honoraria, Past research support</li> <li>• Research support-industry sponsored study</li> <li>• Advisory Board</li> </ul>
Miriam Alter	R	None	N/A
Jorge Alvar	M	None	N/A
Neil Ampel	M	None	N/A
Jean Anderson	M	Tibotec  GlaxoSmithKline Abbott Laboratories	<ul style="list-style-type: none"> <li>• Advisory Board, Support for educational activity , Honoraria</li> <li>• Honoraria</li> <li>• Honoraria</li> </ul>
Michael Augenbraun	M	None	N/A
Roberto Badaro	R	Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>• DSMB Member</li> </ul>
A. Cornelius Baker	R	GlaxoSmithKline Gilead Boehringer Ingelheim	<ul style="list-style-type: none"> <li>• Advisory Board, Honoraria</li> <li>• Travel Support</li> <li>• Advisory Board</li> </ul>
Henry Balfour, Jr	M	Epiphany Biosciences	<ul style="list-style-type: none"> <li>• Advisory Board</li> </ul>
John Bartlett	R	Bristol GlaxoSmithKline Abbott Laboratories Tibotec Pfizer Gilead	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Advisory Board</li> <li>• Honoraria</li> <li>• Advisory Board, DSMB Member</li> <li>• Advisory Board</li> <li>• Grant Recipient</li> </ul>
Nesli Basgoz	M	Forest Labs	<ul style="list-style-type: none"> <li>• Corporate Board of Directors</li> </ul>
John Bennett	R	None	N/A
Constance Benson	C	Merck GlaxoSmithKline Boehringer Ingelheim Gilead Achillion JJR Australia	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Advisory Board</li> <li>• Advisory Board</li> <li>• Grant Recipient</li> <li>• DSMB Member</li> <li>• DSMB Member</li> </ul> <p>Spouse is a consultant at Merck, Gilead, Achillion, Monogram and Vertex</p>
Caryn Bern	M	None	N/A
John T. Brooks	M	None	N/A
Pedro Cahn	R	Pfizer Abbott Laboratories GlaxoSmithKline Tibotec	<ul style="list-style-type: none"> <li>• Advisory Board, Speaker's Bureau</li> <li>• Speaker's Bureau</li> <li>• Advisory Board, Speaker's Bureau</li> <li>• Advisory Board</li> </ul>

Name	Panel Status	Company	Relationship
		Boehringer Ingelheim Merck Avexa	<ul style="list-style-type: none"> <li>• Speaker's Bureau</li> <li>• Advisory Board, Speaker's Bureau</li> <li>• Speaker's Bureau</li> </ul>
Victoria Cargill	R	None	N/A
Corey Casper	M	Roche	<ul style="list-style-type: none"> <li>• Grant Recipient</li> </ul>
Kenneth Castro	R	None	N/A
Richard Chaisson	R	Bristol-Myers Squibb Merck	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Spouse owns stock</li> </ul>
Suwat Chariyalertsak	M	None	N/A
Raymond Chung	M	Schering Roche	<ul style="list-style-type: none"> <li>• Grant Recipient</li> <li>• Grant Recipient</li> </ul>
Paola Cinque	M	None	N/A
Myron Cohen	M	University of Indiana Duke University Cincinnati AIM China CIPRA Canaan Venture Capital Golden Corral Foods	<ul style="list-style-type: none"> <li>• Honoraria</li> <li>• Honoraria</li> <li>• Honoraria</li> <li>• Honoraria</li> <li>• Advisory Board</li> <li>• Consultant</li> <li>• Consultant</li> </ul>
David Cohn	M	None	N/A
Judith Currier	M	Bristol-Myers Squibb Gilead Tibotec Abbott Laboratories  GlaxoSmithKline Merck Theratechnologies Schering Plough Koronis Achillion Boehringer Ingelheim	<ul style="list-style-type: none"> <li>• Advisory Board, Consultant</li> <li>• Advisory Board, DSMB Member</li> <li>• Advisory Board, Grant Recipient</li> <li>• Advisory Board, Grant Recipient, Honoraria</li> <li>• Advisory Board, Grant Recipient, Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• DSMB Member</li> <li>• DSMB Member</li> <li>• Advisory Board</li> </ul>
Susan Cu-Uvin	M	GlaxoSmithKline Endo Pharmaceutical Bristol-Myers Squibb Boehringer Ingelheim	<ul style="list-style-type: none"> <li>• Honoraria</li> <li>• Advisory Board</li> <li>• Advisory Board, Grant Recipient</li> <li>• Grant Recipient, Advisory Board</li> </ul>
Elizabeth Didier	M	Genzyme AWWARF Fidelity TIAACREF	<ul style="list-style-type: none"> <li>• Stock Holder</li> <li>• Project Advisory Committee</li> <li>• Stock Holder (retirement)</li> <li>• Stock Holder (retirement)</li> </ul>
Susan Dorman	M	None	N/A
Eileen F. Dunne	M	None	N/A
Robert Eisinger	R	None	N/A
Wafaa El-Sadr	R	None	N/A
Judith Feinberg	R	Gilead Neuroges X Panacos Theratechnology Achillion Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>• Speaker's Bureau, Consultant</li> <li>• Grant Recipient</li> <li>• DSMB Member, Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Advisory Board, Grant Recipient</li> </ul>

Name	Panel Status	Company	Relationship
		Tibotec Pfizer Merck Boehringer Ingelheim Koronis	<ul style="list-style-type: none"> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Advisory Board, Speaker's Bureau</li> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Advisory Board, Grant Recipient</li> </ul>
Kenneth Fife	M	GlaxoSmithKline Novartis Merck	<ul style="list-style-type: none"> <li>Grant Recipient, Consultant</li> <li>Grant Recipient</li> <li>Speaker's Bureau</li> </ul>
Alyssa Finlay	M	None	N/A
Timothy Flanigan	M	Gilead Merck Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>Grant Recipient</li> <li>Stock Holder</li> <li>Stock Holder</li> </ul>
Caspar Franzen	M	None	N/A
Kenneth A. Freedberg	R	None	N/A
Hansjacob Furrer	M	Gilead Tibotec Boehringer Ingelheim GlaxoSmithKline MSD Roche Pfizer Abbott Laboratories Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>Advisory Board, Grant Recipient</li> <li>Advisory Board, Grant Recipient</li> <li>Advisory Board, Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Grant Recipient</li> </ul>
Jose Gatell	R	Bristol-Myers Squibb  MSD  Pfizer Tibotec Abbott Laboratories  Roche Virco Gilead  GlaxoSmithKline Janssen Boehringer Ingelheim	<ul style="list-style-type: none"> <li>Advisory Board, Grant Recipient, Speaker's Bureau, Honoraria, Consultant</li> <li>Advisory Board, Grant Recipient, Honoraria</li> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Grant Recipient, Honoraria</li> <li>Grant Recipient, Honoraria</li> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Grant Recipient, Honoraria</li> <li>Grant Recipient, Honoraria</li> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Grant Recipient, Honoraria</li> </ul>
John Gnann, Jr	M	Merck  GlaxoSmithKline Astellas BioCryst Novartis ViroPharma	<ul style="list-style-type: none"> <li>Advisory Board, Grant Recipient, Speaker's Bureau, Honoraria</li> <li>Speaker's Bureau, Honoraria</li> <li>Grant Recipient, Consultant</li> <li>DSMB Member, Consultant</li> <li>Grant Recipient</li> <li>Grant Recipient</li> </ul>
Fred Gordin	M	None	N/A
Paul Griffiths	M	AiCuris Novartis Merck	<ul style="list-style-type: none"> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Honoraria</li> <li>Advisory Board, Honoraria</li> </ul>

Name	Panel Status	Company	Relationship
		Viropharma Chimerix Alphavax	<ul style="list-style-type: none"> <li>• Advisory Board, Honoraria</li> <li>• Advisory Board, Honoraria</li> <li>• Advisory Board</li> </ul>
Peter Gross	R	Merck Roche Ortho-McNeil Becton-Dickinson GlaxoSmithKline	<ul style="list-style-type: none"> <li>• Advisory Board, Honoraria, Speaker's Bureau</li> <li>• Consultant, Honoraria</li> <li>• Speaker's Bureau, Honoraria, Consultant</li> <li>• Grant Recipient</li> <li>• Advisory Board, Honoraria, Consultant</li> </ul>
Lynn Guptill-Yoran	M	Fort Dodge Animal Health Pfizer Animal Health	<ul style="list-style-type: none"> <li>• Honoraria</li> <li>• Honoraria</li> </ul>
Diane Havlir	R	None	N/A
Letha Healey	M	Human Genome Sciences, Inc.	<ul style="list-style-type: none"> <li>• Employee</li> </ul>
Barbara Herwaldt	M	None	N/A
King K. Holmes	C	Merck Research Labs MRL	<ul style="list-style-type: none"> <li>• DSMB Member</li> <li>• Honoraria, Chaired session at IDSA (satellite session) on HPV vaccine, Served as a member of MRL scientific advisory board until 3/05.</li> </ul>
Edward Hook III	M	Merck GlaxoSmithKline Abbot Molecular Diagnostic Becton Dickinson Gen-Probe Inc.	<ul style="list-style-type: none"> <li>• Speaker's Bureau, Honoraria</li> <li>• Speakers Bureau, Honoraria</li> <li>• Grant Recipient, Honoraria, Consultant</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> </ul>
Thomas M. Hooton	R	Alita Pharmaceuticals	<ul style="list-style-type: none"> <li>• Grant Recipient</li> </ul>
Robert Horsburgh	M	None	N/A
Laurence Huang	M	None	N/A
Douglas Jabs	M	Abbott Laboratories Roche Applied Genetic Technologies Corporation Allergan Uveitis Board GlaxoSmithKline Novartis Genzyme	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> </ul>
Mamta Jain	M	Gilead Sciences Abbott Laboratories Vertex Roche Theratechnologies	<ul style="list-style-type: none"> <li>• Grant Recipient</li> <li>• Speaker's Bureau</li> <li>• Grant Recipient, Honoraria</li> <li>• Clinical Trial</li> <li>• Clinical Trial</li> </ul>
Edward Janoff	R	MedImmune Vaccines VaxInnate Wyeth Vaccines	<ul style="list-style-type: none"> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> </ul>
Grace John-Stewart	M	AIDS in Women and Children Elizabeth Glaser Pediatric AIDS Foundation Gates Foundation	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> </ul>



Name	Panel Status	Company	Relationship
Pacharee Kantipong	M	None	N/A
Jonathan Kaplan	C	None	N/A
Carol Kauffman	M	Merck Schering-Plough Astellas Pfizer	<ul style="list-style-type: none"> <li>• Grant Recipient, Speaker's Bureau</li> <li>• Grant Recipient, Speaker's Bureau</li> <li>• Grant Recipient, Speaker's Bureau</li> <li>• Speaker's Bureau</li> </ul>
Rupert Kaul	M	None	N/A
David Kimberlin	M	GlaxoSmithKline Novartis	<ul style="list-style-type: none"> <li>• Grant Recipient, no salary support</li> <li>• Grant Recipient, no salary support</li> </ul>
Mari Kitahata	R	GlaxoSmithKline	<ul style="list-style-type: none"> <li>• Consultant</li> </ul>
Jane Koehler	M	None	N/A
Igor Koralnik	M	Antisense Biogen Idec Hoffman La Roche	<ul style="list-style-type: none"> <li>• DSMB Member</li> <li>• Grant Recipient</li> <li>• Consultant</li> </ul>
Joseph Kovacs	M	U.S. Government	<ul style="list-style-type: none"> <li>• Patent</li> </ul>
Margaret Koziel	M	Bristol-Myers Squibb Glaxo-Smith Kline Idera Valeant Vertex Abbott Merck Pfizer	<ul style="list-style-type: none"> <li>• Consultant, Unrestricted Grant Award</li> <li>• Consultant</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Advisory Board</li> <li>• Advisory Board</li> </ul>
Peter Leone	M	GlaxoSmithKline  Norvartis Abbott Laboratories Focus Technologies	<ul style="list-style-type: none"> <li>• Advisory Board, Grant Recipient, Speakers Bureau, Consultant</li> <li>• Grant Recipient, Speaker's Bureau</li> <li>• Consultant</li> <li>• Grant Recipient</li> </ul>
Jens Lundgren	R	Boehringer-Ingelheim  Tibotec  GlaxoSmithKline  Roche  Abbot Laboratories  Pfizer  Gilead  Panacos	<ul style="list-style-type: none"> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Consultant, DSMB Member</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• DSMB Member</li> </ul>
James Maguire	M	None	N/A
Christina Marra	M	None	N/A
Henry Masur	C	None	N/A
Scott McClelland	M	Bayer Bristol-Myers Squibb Gilead Roche	<ul style="list-style-type: none"> <li>• Honoraria</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> </ul>
Barbara McGovern	M	Roche Vertex Pharmaceuticals	<ul style="list-style-type: none"> <li>• Speaker's Bureau</li> <li>• Advisory Board</li> </ul>

Name	Panel Status	Company	Relationship
Ian McNicholl		Abbott Laboratories GlaxoSmithKline Bristol-Myers Squibb Boehringer Ingelheim Merck Gilead	<ul style="list-style-type: none"> <li>• Grant Recipient</li> <li>• Advisory Board, Speaker's Bureau</li> <li>• Speaker's Bureau</li> <li>• Speaker's Bureau</li> <li>• Advisory Board</li> <li>• Speaker's Bureau</li> </ul>
Robert Miller	M	None	N/A
Jose M. Miró	M	Abbot Laboratories Boehringer Ingelheim Bristol-Myers Squibb Chiron Cubist Novartis GlaxoSmithKline Gilead Sciences  Oxford Immunotec Pfizer Roche Theravance	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Advisory Board, Grant Recipient</li> <li>• Grant Recipient</li> <li>• Advisory Board</li> <li>• Grant Recipient</li> <li>• Advisory Board, Grant Recipient, Consultant</li> <li>• Advisory Board</li> <li>• Grant Recipient</li> <li>• Honoraria</li> <li>• Grant Recipient</li> </ul>
Lynne Mofenson	M	None	N/A
Anne Moore	M	None	N/A
Richard D. Moore	R	Bristol-Myers Squibb Gilead Tibotec Pfizer GlaxoSmithKline Merck	<ul style="list-style-type: none"> <li>• Advisory Board, Consultant</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Consultant</li> <li>• Grant Recipient</li> </ul>
Gina Mootrey	M	None	N/A
Alison Morris	M	None	N/A
Caryn Morse	M	None	• Patent
Payam Nahid	M	None	N/A
James Neaton	R	Merck Bristol-Myers Squibb Amgen Abbott Laboratories	<ul style="list-style-type: none"> <li>• DSMB Member, Consultant</li> <li>• DSMB Member</li> <li>• DSMB Member</li> <li>• Consultant</li> </ul>
Mindie Nguyen	M	Roche Gilead Novartis Idenix Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>• Grant Recipient</li> <li>• Grant Recipient</li> <li>• Advisory Board, Speakers Bureau</li> <li>• Advisory Board, Speakers Bureau</li> <li>• Speakers Bureau, Advisory Board, Grant Recipient</li> </ul>
Michael Niederman	M	Pfizer Merck Elan Wyeth Ortho-McNeil Bayer Schering-Plough	<ul style="list-style-type: none"> <li>• Speaker's Bureau, Advisory Board</li> <li>• Advisory Board, Honoraria</li> <li>• Speaker's Bureau, Honoraria</li> <li>• Speaker's Bureau, Honoraria</li> <li>• Advisory Board, Honoraria</li> <li>• Advisory Board, Grant Recipient</li> <li>• Advisory Board, DSMB Member, Honoraria</li> </ul>
James Oleske	M	None	N/A
Luis Ostrosky-Zeichner	M	Astellas	<ul style="list-style-type: none"> <li>• Advisory Board, Grant Recipient, Speaker's Bureau</li> </ul>

Name	Panel Status	Company	Relationship
		Merck Pfizer  Gilead Enzon Schering-Plough Associates of Cape Cod	<ul style="list-style-type: none"> <li>Grant Recipient, Speaker's Bureau</li> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Grant Recipient, Speaker's Bureau</li> <li>Speaker's Bureau</li> <li>Advisory Board, Grant Recipient</li> <li>Grant Recipient</li> </ul>
Joel Palefsky	M	Merck GlaxoSmithKline Digene Abbott	<ul style="list-style-type: none"> <li>Grant Recipient</li> <li>Advisory Board</li> <li>Honoraria</li> <li>Honoraria</li> </ul>
Peter Pappas	M	Merck  Pfizer  Schering-Plough Astellas Basilea	<ul style="list-style-type: none"> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Advisory Board, Grant Recipient, Speaker's Bureau</li> <li>Grant Recipient, Speaker's Bureau</li> <li>Grant Recipient, Speaker's Bureau</li> <li>Advisory Board</li> </ul>
Monica Parise	M	None	N/A
Benjamin J. Park	R	None	N/A
Alice Pau	M	None	N/A
Charles Peloquin	M	Pfizer Jacobus Tibotec GlaxoSmithKline Ortho Otsuka	<ul style="list-style-type: none"> <li>Grant Recipient</li> <li>Grant Recipient</li> <li>Consultant</li> <li>Consultant</li> <li>Grant Recipient</li> <li>Consultant</li> </ul> <p>Additional Comment: Dr. Peloquin is the director of the Infectious Disease Pharmacokinetics Laboratory at the National Jewish Medical and Research Center, a non-sectarian, not-for-profit, independent, clinical and research medical center. Dr. Peloquin's laboratory provides clinical and research laboratory support, including assays to measure the concentrations of various TB, MAC, HIV, and fungal medications. The laboratory charges a flat rate for these assays. Dr. Peloquin does not work on commission.</p>
Marion Peters	M	Gilead Science Idenix Roche Achillion GlaxoSmithKline Clinical Care Options Novartis Hoffman La Roche Pharmasset Merck Genentech	<ul style="list-style-type: none"> <li>Honoraria</li> <li>Honoraria</li> <li>Honoraria</li> <li>Grant Recipient</li> <li>DSMB Member</li> <li>Advisory Board</li> <li>Honoraria</li> <li>Consultant</li> <li>Consultant</li> <li>Consultant</li> <li>Consultant</li> </ul>
Daniel Podzamczar	M	GlaxoSmithKline Boehringer Ingelheim	<ul style="list-style-type: none"> <li>Advisory Board, Consultant</li> <li>Advisory Board, Consultant, Grant</li> </ul>

Name	Panel Status	Company	Relationship
		Abbott Bristol Myers Squibb Pfizer Gilead Roche	Recipient • Advisory Board, Consultant, Grant Recipient • Advisory Board, Consultant • Advisory Board • Advisory Board, Consultant, Grant Recipient • Advisory Board
Michael Polis	M	None	N/A
Richard Price	M	Merck	• Grant Recipient
Thomas Quinn	M	None	N/A
Sanjay Revankar	M	Astellas Schering-Plough Pfizer	• Speaker's Bureau • Grant Recipient • Speaker's Bureau, Grant Recipient
David Rimland	R	None	N/A
Anne Rompalo	M	Merck Glaxo-Smith Kline	• Speaker's Bureau • Speaker's Bureau
Paul E. Sax	R	Abbott Laboratories BMS Gilead GlaxoSmithKline Merck Tibotec Pfizer	• Consultant • Consultant • Consultant • Consultant, Grant Recipient • Consultant, Grant Recipient • Consultant, Grant Recipient • Consultant
Cynthia L. Sears	M	Salix Merck	• Consultant • Grant Recipient
Kent Sepkowitz	M	Merck Astellas	• Advisory Board • Speaker's Bureau (one talk a year)
Kenneth Sherman	M	BMS SciClone Vertex Merck Anadys Pharmaceuticals	• Advisory Board, Consultant • Advisory Board, Consultant • Advisory Board, Consultant • Advisory Board, Consultant • Advisory Board, Consultant
Sophia Siddiqui	M	None	N/A
Laurence Slutsker	M	GlaxoSmithKline Novartis	• Grant Recipient • Grant Recipient
Jack Sobel	M	Pfizes Merck Astellas	• Advisory Board, Grant Recipient, Speaker's Bureau • Advisory Board, Grant Recipient, Speaker's Bureau • Grant Recipient
Stephen Spector	M	Merck Pfizer Roche	• Honoraria • Stock Holder • Patent
Kathleen Squires	M	Achillion Abbott Boehringer Ingelheim Bristol-Myers Squibb Merck Schering Plough	• Grant Recipient • Advisory Board, Honoraria • Advisory Board, Grant Recipient, Consultant • Advisory Board, Grant Recipient, Honoraria • Grant Recipient, Consultant • Advisory Board, Grant Recipient, Honoraria

Name	Panel Status	Company	Relationship
		Tibotec Tobira GlaxoSmithKline Koronis Gilead Sciences Pfizer	<ul style="list-style-type: none"> <li>• Advisory Board, Grant Recipient, Honoraria</li> <li>• Advisory Board, Honoraria</li> <li>• Advisory Board, Grant Recipient, Honoraria, Consultant</li> <li>• Advisory Board, Grant Recipient, Honoraria</li> <li>• Advisory Board, Grant Recipient, Honoraria</li> <li>• Advisory Board, Grant Recipient</li> </ul>
Bradley Stoner	M	None	N/A
Howard Strickler	M	GlaxoSmithKline	<ul style="list-style-type: none"> <li>• Advisory Board, Consultant</li> </ul>
Mark Sulkowski	M	Schering Roche Vertex Human Genome Sciences Idenix Bristol-Myers Squibb Merck BIPI	<ul style="list-style-type: none"> <li>• Research Grant</li> <li>• Consultant, Research Grant</li> <li>• Consultant, Research Grant</li> <li>• Research Grant</li> <li>• Research</li> <li>• Consultant</li> <li>• Consultant</li> <li>• Consultant</li> </ul>
Khuanchai Supparatpinyo	M	None	N/A
Andrew Talal	M	Schering-Plough Roche Merck	<ul style="list-style-type: none"> <li>• Grant Recipient, Speaker's Bureau</li> <li>• Grant Recipient</li> <li>• Consultant</li> </ul>
Michael Tapper	R	Gilead Merck Roche	<ul style="list-style-type: none"> <li>• Speaker's Bureau, Consultant</li> <li>• Speaker's Bureau</li> <li>• Consultant</li> </ul>
Chloe Thio	R	None	N/A
David Thomas	R	Merck Sandhill Scientific	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Advisory Board</li> </ul>
Ruth Tuomala	M	Pfizer Boehringer Ingelheim Bristol-Myers Squibb	<ul style="list-style-type: none"> <li>• DSMB Member</li> <li>• Consultant</li> <li>• Clinical Trial Participant (investigator)</li> </ul>
Jose Vazquez	M	Pfizer Merck Enzon Schering-Plough Astellas Johnson & Johnson	<ul style="list-style-type: none"> <li>• Advisory Board, Grant Recipient, Speaker's Bureau, Honoraria, Consultant</li> <li>• Grant Recipient</li> <li>• Speaker's Bureau</li> <li>• Advisory Board, Grant Recipient, Speaker's Bureau, Consultant</li> <li>• Advisory Board, Grant Recipient, Consultant</li> <li>• Clinical Trial</li> </ul>
M. Elsa Villarino	M	None	N/A
Anna Wald	M	Powdermed Novartis Medigene Merck AdventRx GlaxoSmithKline Antigenics Roche	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Advisory Board, Consultant</li> <li>• DSMB Member</li> <li>• Speaker's Bureau</li> <li>• Consultant</li> <li>• Contract for clinical trial</li> <li>• Contract for clinical trial</li> <li>• Clinical Trials Investigator</li> </ul>

Name	Panel Status	Company	Relationship
		Astellas Aicuris Scienta Medscape Center for Medical Knowledge	<ul style="list-style-type: none"> <li>• Contract for clinical trial</li> <li>• Consultant</li> <li>• Development of CME Programs</li> <li>• Development of CME Programs</li> <li>• Development of CME Programs</li> </ul>
Christine Wanke	M	None	N/A
Heather Watts	M	None	N/A
Paul J. Weidle	M	None	N/A
Louis Weiss	M	None	N/A
George Wendel	M	None	N/A
A. Clinton White, Jr.	M	None	N/A
Murray Wittner	M	AECOM	<ul style="list-style-type: none"> <li>• Patent</li> </ul>
Kimberly Workowski	M	None	N/A
Thomas Wright, Jr.	R	Merck GlaxoSmithKline Gen-Probe Takeda Pharmaceuticals	<ul style="list-style-type: none"> <li>• Advisory Board</li> <li>• Advisory Board</li> <li>• Advisory Board</li> <li>• Advisory Board</li> </ul>

C = Co-Chair; M = Member; and R=Reviewer  
N/A = Not Applicable