

EDITOR IN CHIEF (2022)

Andreas J. Bäuml
University of California at Davis

EDITORS

John H. Adams, *Editor* (2019)
University of South Florida

Helene L. Andrews-Polymenis,
Minireview Editor (2019)
*Texas A&M University System Health Science
Center*

George S. Deepe, Jr., *Editor* (2019)
University of Cincinnati College of Medicine

Sabine Ehr, *Editor* (2019)
Weill Cornell Medical College

Nancy E. Freitag, *Editor* (2021)
*University of Illinois at Chicago College of
Medicine*

De'Broski R. Herbert, *Editor* (2023)
*University of Pennsylvania School of
Veterinary Medicine*

Anthony T. Maurelli, *Minireview Editor*
(2019)
University of Florida

Guy H. Palmer, *Editor* (2020)
*Washington State University Paul G. Allen
School for Global Animal Health*

Shelley M. Payne, *Editor* (2019)
University of Texas at Austin

Liise-anne Pirofski, *Editor* (2022)
Albert Einstein College of Medicine

Manuela Raffatellu, *Editor* (2022)
*University of California San Diego School
of Medicine*

Craig R. Roy, *Editor* (2023)
Yale University School of Medicine

Victor J. Torres, *Editor* (2022)
New York University School of Medicine

Marvin Whiteley, *Editor* (2022)
*Georgia Institute of Technology School of
Biological Sciences and Emory University
School of Medicine Cystic Fibrosis Center*

Vincent B. Young, *Editor* (2019)
University of Michigan

Patrick D. Schloss, *Chairman, ASM
Journals Committee*

Stefano Bertuzzi, *Chief Executive Officer*

Melissa Junior, *Director, Journals*

Jessica Kanotz, *Production Editor*

Stefanie Kowalski, *Assistant Production
Editor*

Laurie Webby, *Editorial Coordinator*

EDITORIAL BOARD

David Abraham (2020)

Luis Actis (2021)

Toni Aebischer (2020)

Brian Akerley (2019)

Klaus Aktories (2020)

Holly Algood (2019)

Julio Aliberti (2020)

Lee-Ann Allen (2021)

Francis Alonzo III (2021)

Andrew Alspaugh (2020)

Craig Altier (2021)

David Andes (2020)

Juan Anguita (2019)

Rui Appelberg (2019)

Glen D. Armstrong (2019)

Sandra K. Armstrong (2020)

Bernard Arulanandam (2021)

Abdu F. Azad (2020)

Michael A. Bachman (2021)

Steffen Backert (2020)

Taeok Bae (2021)

Cynthia Baldwin (2021)

Jimmy D. Ballard (2020)

Jeff Banas (2019)

Joseph Barbieri (2019)

Stephen Barenkamp (2019)

Raul Barletta (2021)

Judith Behnsen (2021)

Jose Bengoechea (2021)

Elke Bergmann-Leitner (2019)

Jon Blevins (2020)

James Bliska (2020)

Antje Blumenthal (2021)

Christian Bogdan (2021)

Helena Boshoff (2020)

Catherine Bosio (2021)

Kenneth L. Bost (2021)

Paul Brett (2019)

Volker Briken (2021)

Igor Brodsky (2020)

Charles Brown (2020)

Daniel R. Brown (2021)

Eric L. Brown (2019)

Jeremy Brown (2020)

Juliane Bubeck Wardenburg
(2020)

Carmen Buchrieser (2021)

James Burns (2019)

Mariana X. Byndloss (2020)

Melissa J. Caimano (2021)

Anthony A. Campagnari (2021)

Michael Cappello (2019)

Nicholas Carbonetti (2020)

Jason Carlyon (2020)

William Franklin Carson (2021)

Jim Cassat (2021)

Jean Celli (2021)

Kris Chadee (2020)

Nicholas P. Cianciotto (2019)

Jörn Coers (2019)

Terry D. Connell (2021)

Paul Converse (2019)

Cynthia Cornelissen (2021)

Peggy Cotter (2021)

Kevin Couper (2021)

Timothy L. Cover (2020)

Robert Cramer (2020)

Alison Criss (2020)

Christopher W. Cutler (2021)

Charles J. Czuprynski (2019)

Johanna Daily (2020)

Richard Darveau (2021)

Andrew Darwin (2021)

Frank DeLeo (2021)

Eric Y. Denkers (2020)

Isabelle Derré (2019)

Albert Descoteaux (2021)

Corrella Detweiler (2021)

Gill Diamond (2021)

Joseph P. Dillard (2020)

Hazel Dockrell (2020)

Charles Dozois (2019)

Peter Dube (2020)

Malcolm Duthie (2020)

Roman Dziarski (2020)

Kathryn A. Eaton (2019)

Christian Engwerda (2019)

Peter B. Ernst (2020)

Christina S. Faherty (2020)

J. Christopher Fenno (2021)

Paul D. Fey (2021)

Paul Fidel (2021)

Ken Fields (2021)

Joshua Fierer (2020)

Scott Filler (2019)

Derek Fisher (2020)

James Fleckenstein (2021)

Suzanne Fleiszig (2020)

Timothy Foster (2019)

Dara Frank (2019)

Kristi Frank (2021)

Francisco Garcia-del Portillo (2020)

Nisha Garg (2019)

Beth Garvy (2019)

Jorge Giron (2021)

Joanna B. Goldberg (2020)

David Gondek (2019)

Bruce Green (2019)

Patricia Guerry-Kopecko (2020)

Paul A. Gulig (2020)

John S. Gunn (2019)

Georg Häcker (2021)

Ted Hackstadt (2020)

Anders Hakansson (2021)

Sven Hammerschmidt (2020)

Lynn Hancock (2021)

Philip Hardwidge (2020)

Nicola Harris (2020)

Alan R. Hauser (2019)

Robert Heinzen (2019)

David Hendrixson (2019)

Michael Hensel (2020)

Deborah Hogan (2021)

Alexander R. Horswill (2021)

Daniel Howe (2020)

Gary Huffnagle (2021)

Christopher Huston (2019)

Lars Hviid (2021)

Ann Jerse (2021)

Bradley D. Jones (2020)

Ann-Beth Jonsson (2021)

Sheryl Justice (2021)

Barbara Kahl (2021)

Laszlo Kari (2020)

Thomas H. Kawula (2019)

Marijke Keestra-Gounder (2021)

Intiaz Khan (2021)

M. Nadeem Khan (2020)

Peter E. Kima (2021)

Samantha King (2021)

Robert Kingsley (2020)

Kimberly A. Kline (2021)

Karl Klose (2020)

Leigh Knodler (2019)

Laura Knoll (2020)

Wolfgang Koester (2021)

Andrew Koh (2020)

Jay Kolls (2021)

Nirbhay Kumar (2021)

Sanjai Kumar (2019)

Borden Lacy (2020)

Eric Lafontaine (2019)

Richard J. Lamont (2019)

Gee Lau (2019)

Chia Y. Lee (2019)

Benfang Lei (2021)

Cynthia Leifer (2019)

John Leong (2019)

Cammie Lesser (2020)

Stuart Levitz (2020)

Lin-Xi Li (2021)

Stephen Libby (2020)

Andrew Limper (2021)

Philana Lin (2019)

Michael Linke (2020)

Mihalis Lionakis (2021)

Yael Litvak (2020)

George Liu (2021)

Jose Lopez-Ribot (2019)

Michael Lorenz (2021)

Philip LoVerde (2020)

Anja Lührmann (2020)

David M. Lyerly (2021)

Donna M. MacCallum (2020)

Barbara J. Mann (2021)

Nicholas Mantis (2019)

Richard T. Marconi (2020)

Helene Marquis (2021)

Luis R. Martinez (2019)

Kevin Mason (2021)

Jere McBride (2019)

Mark McClain (2020)

Bruce A. McClane (2019)

John K. McCormick (2020)

Larry McDaniel (2021)

David McGee (2019)

Bradford McGwire (2020)

Kevin S. McIver (2019)

Rachel M. McLoughlin (2021)

Joan Meccas (2020)

Nicole Meissner (2020)

Jay Mellies (2019)

Tod Merkel (2020)

D. Scott Merrell (2020)

Dennis Metzger (2021)

F. Chris Minion (2021)

Dominique Missiakas (2021)

Tim J. Mitchell (2021)

Hans-Willi Mitruecker (2020)

Harry L. T. Mobley (2019)

Rodney A. Moxley (2019)

Matthew Mulvey (2020)

Ashlesh Krishna Murthy (2020)

Julian Naglik (2019)

Moon H. Nahm (2020)

James P. Nataro (2020)

Gerard J. Nau (2020)

William Navarre (2020)

EDITORIAL BOARD (continued)

- | | | | |
|-------------------------------|----------------------------|--------------------------------|-----------------------------|
| Christine Petersen (2021) | Michael J. Schurr (2019) | Alfredo G. Torres (2021) | Brenda A. Wilson (2021) |
| William Petri (2019) | Gil Segal (2021) | Renee Tsois (2021) | Emma Wilson (2020) |
| Gregory V. Plano (2019) | Janakiram Seshu (2021) | Cagla Tukul (2019) | Sebastian Winter (2020) |
| Alice Prince (2021) | William Shafer (2021) | Joanne Turner (2020) | Jeffrey Withey (2020) |
| Chad Rappleye (2020) | Terez Shea-Donohue (2019) | Rodney K. Tweten (2020) | William H. Witola (2020) |
| Adam Ratner (2021) | Sunny Shin (2019) | Raphael Valdivia (2020) | Christiane Wolz (2020) |
| Jyothi Rengarajan (2020) | Jerry Simecka (2019) | Miguel Valvano (2021) | R. Mark Wooten (2021) |
| Richard F. Rest (2020) | Eric P. Skaar (2019) | Adrianus van der Velden (2021) | Floyd Wormley (2020) |
| Anthony Richardson (2021) | Jon Skare (2020) | Jos van Putten (2020) | Terry Wright (2021) |
| Amariliz Rivera (2019) | James Schlauch (2021) | Jos van Strijp (2021) | Hui Wu (2021) |
| Daniel Rockey (2019) | Mark Smeltzer (2021) | Michael L. Vasil (2020) | Betty Wu-Hsieh (2021) |
| Stephen Rogerson (2021) | Vanessa Sperandio (2021) | Andrés Vazquez-Torres (2021) | Elsio Augusto Wunder (2021) |
| Luigina Romani (2020) | Chad Steele (2019) | Anna Vecchiarelli (2021) | Marcel Wüthrich (2020) |
| Roy Martin Roop II (2020) | Torsten Sterzenbach (2020) | Jorge Vidal (2020) | Thomas A. Wynn (2019) |
| David Sacks (2020) | Brian Stevenson (2019) | Joseph M. Vinetz (2019) | Timothy Yahr (2020) |
| Padmini Salgame (2020) | Jason Stumhofer (2021) | Joseph Vogel (2021) | Laxmi Yeruva (2020) |
| Nita H. Salzman (2019) | Joy Sturtevant (2019) | Martin Voskuil (2020) | Hongwei Yu (2019) |
| James Samuel (2019) | Xingmin Sun (2021) | Daniel E. Voth (2019) | Jose Yuste (2019) |
| Scott Samuels (2019) | W. Edward Swords (2020) | Honorine Ward (2020) | Joseph Zackular (2021) |
| Karla Fullner Satchell (2020) | Eila D. Tait Wojno (2020) | Christopher M. Waters (2021) | Thomas C. Zahrt (2019) |
| John-Demian Sauer (2020) | Rita Tamayo (2019) | Paula Watnick (2020) | Guoquan Zhang (2020) |
| Charles Scanga (2019) | Phillip Tarr (2020) | Alison Weiss (2020) | Guangming Zhong (2020) |
| Dieter M. Schifferli (2020) | Christopher Taylor (2019) | David Weiss (2019) | Jun Zhu (2021) |
| Larry S. Schlesinger (2021) | Vernon Tesh (2020) | Melanie Wellington (2019) | Daniel Zurawski (2021) |
| Patrick Schlievert (2019) | Anna D. Tischler (2020) | Michael R. Wessels (2019) | Arturo Zychlinsky (2020) |
| Dirk Schnappinger (2019) | David Tobin (2021) | Robert Wheeler (2020) | |

Infection and Immunity (ISSN 1098-5522), a publication of the American Society for Microbiology (ASM), 1752 N St., N.W., Washington, DC 20036-2904, is devoted to the advancement and dissemination of fundamental knowledge concerning infections caused by pathogenic bacteria, fungi, and parasites.

Infection and Immunity became an online-only journal with Volume 84, Issue 1 (January, 2016). The final print issue was Volume 83, Issue 12 (December, 2015). Previous print ISSN: 0019-9567.

Instructions to Authors are updated throughout the year. The current version is available on the journal website. *Infection and Immunity* is published monthly, one volume per year. For subscription prices, contact the Subscriptions Unit, ASM (asmjournals@subscriptionoffice.com). Correspondence relating to author reprint orders should be directed to ASM Author Services (ASM.AuthorServicesSupport@cenveo.com), and correspondence relating to disposition of submitted manuscripts, proofs, and general editorial matters should be directed to the Journals Department, American Society for Microbiology, 1752 N St., N.W., Washington, DC 20036-2904. Phone: (202) 737-3600 (see <https://journals.asm.org/content/contact-us>). ASM policies for permissions, commercial reprints, and ePrints can be found at <https://journals.asm.org/content/permissions>.

CODEN: INFIBR

doi:10.1128/IAI.masthead.87-2

Copyright © 2019 American Society for Microbiology. All Rights Reserved.