

[www.cambridge.org/cts](http://www.cambridge.org/cts)

We are indebted to the expert referees who have volunteered their time to review submissions for the *Journal of Clinical and Translational Sciences* in 2022. The editors, authors, and readers are immensely grateful for their thoughtfulness and expertise that have served our journal well.

Maryam Mohamed Abdelkarim  
Zainab Abedin  
Erin Abu-Rish Blakeney  
Reuben Adatorwovor  
Sergio Aguilar-Gaxiola  
Myles Akabas  
Matthew Akiyama  
Leah Alexander  
Ayham Alkhachroum  
Karel Allegaert  
Jessica Ancker  
Peter Anderson  
Michael P. Angarone  
Mary Ellen Antowiak  
Jalayne Arias  
Gladys Asiedu  
Jared Auclair  
Adriana Baez  
Laura Balis  
Joyce Balls-Berry  
Shweta Bansal  
Daniel M. Barnett  
Josephine Barnett  
John Baumann  
Sydney Begerowski  
L. Michelle Bennett  
Lisa Bernard  
Laura Mari Beskow  
Eric Beyer  
Jiang Bian  
Sarah Biber  
Barbara Bierer  
Hugh Black  
Helena Blumen  
Leslie Boone  
Sue Boren  
David Boulware  
Kathleen T. Brady  
G Brannan  
Miriam A. Bredella  
Sarah K. Brewer  
Tabetha A. Brockman  
Birgitta Brott  
Jen Brown  
Jennifer Swanton Brown  
Amanda Bunting  
John B. Buse  
Karen Calhoun  
Christopher Cambron  
Kendall M. Campbell  
Ricky L. Camplain  
Adelita Cantu  
Olveen Carasquillo  
Savanna Carson

Lori Carter-Edwards  
Shannon Casey  
David Center  
Patricia Chalela  
Larry Chambers  
Alex C. Cheng  
Summer Choudhury  
James J. Cimino  
Robert A. Clark  
Nichelle L. Cobb  
Barry Coller  
Chiquita Collins  
Dan Cooper, MD  
Linda Cottler  
Valerie Cotton  
Margaret Crane  
Allison Crawford  
Marcus Crede  
Deidra Crews  
Jennifer Croker  
John Cullen  
Mollie Cummins  
Denise Daudelin  
Gaurav Dave  
Jonathan Davis  
Pamela Davis  
Willard Dere  
Manisha Desai  
Mark Dignan  
Rowena Dolor  
Jianghu Dong  
Carrie Dykes  
Brenda Eakin  
Milton Mickey Eder  
Terri L. Edwards  
Peter L. Elkin  
Vicki L. Ellingrod  
Julie T. Elworth  
Amanda Emerson  
Felicity T. Enders  
Ann Margret Ervin  
Kolaleh Eskandarian  
Estela Estape  
Elizabeth Evans  
Alecia Fair  
David Fakunle  
Megan L. Falsetta  
Jessica M. Faupel-Badger  
Kevin Fiscella  
Daniel Ford  
Deborah M. Fournier  
Mayu Frank  
Stephanie Freel  
Stephanie A. Freels

© The Author(s), 2023. Published by Cambridge University Press on behalf of The Association for Clinical and Translational Science. This is an Open Access article, distributed under the terms of the Creative Commons Attribution licence (<https://creativecommons.org/licenses/by/4.0/>), which permits unrestricted re-use, distribution, and reproduction in any medium, provided the original work is properly cited.



Clinical Research  
**FORUM**  
Analysis. Advocacy. Action.

|                       |                        |                           |
|-----------------------|------------------------|---------------------------|
| Peter Friedmann       | Thomas H. Kelly        | Brooke E.E. Montgomery    |
| Michael Frohman       | Nick Kenyon            | Sean Mooney               |
| Ayorkor Gaba          | Philip Kern            | Justin B. Moore           |
| Mohit Ganguly         | Anthony Keyes          | Hiroki Morizono           |
| Armen Yuri Gasparyan  | Akram Khan             | Elaine H. Morrato         |
| Cheryl Gatto          | Robert Kimberly        | Cynthia Morris            |
| Mugur Geana           | Mary Kleinman          | Teng Moua                 |
| Mariana Gerschenson   | Jacqueline Knapke      | Timothy F. Murphy         |
| Sue Giancola          | Andrew Knighton        | Maureen Murtaugh          |
| Kelly Gleason         | H. Robert Kolb         | Serge Patrick Nana-Sinkam |
| William Gluck         | Elizabeth Kopras       | Donald E. Nease           |
| Keri Godin            | Rhonda G. Kost         | Eric Nehl                 |
| Sarah L. Goff         | Jack Kues              | David Nelson              |
| Mary Goldberg         | Polina Kukhareva       | Heike Newman              |
| Mitzi Gonzales        | Bethany M. Kwan        | Hien Nguyen               |
| Ruth Gotian           | Marianna LaNoue        | Henry Stacy Nicholson     |
| Jennifer Grandis      | Danielle Laraque-Arena | Jacinda Nicklas           |
| Susan Grinslade       | Bernard LaSalle        | Nyiramugisha K. Niyibizi  |
| Michael Steven Gutter | Robert Lavieri         | Rocio Norman              |
| Nathaniel Hafer       | Harold Lehmann         | Keith C. Norris           |
| Perry Halushka        | Leslie A. Lenert       | Hany Osman                |
| Colin Halverson       | Shu-Yi Liao            | Marisha Palm              |
| Anna Hansen           | Alexandra F. Lightfoot | Monique Pappadis          |
| Laura N. Hanson       | Christopher Lindsell   | Susan R. Passmore         |
| Brett Harnett         | Mike Linke             | Sapana Patel              |
| Kevin Harter          | Nicole Llewellyn       | Tanha Patel               |
| Anuradha Hashemi      | On-Yee (Amy) Lo        | Cecilia Patino-Sutton     |
| Sarah Hawley          | Jennifer Lorvick       | Thomas Pearson            |
| Erin Heckler          | Emily M. Lund          | Clara M. Pelfrey          |
| Elizabeth Heitman     | John Luque             | Ryan Peterson             |
| Suzanne Held, Ph.D.   | Michael Lyons          | Erika Pike                |
| Emily Hennessy        | Wendy Mack             | Harold Pincus             |
| Paul Hernandez        | Jane Mahoney           | Tiffany Danielle Pineda   |
| Rachel Hess           | Morgan Maner           | David Pleasure            |
| Lisa Hightow-Weidman  | Frank Manion           | Roy Poblete               |
| Fernando Holguin      | Paul Marantz           | Fred Pryor                |
| Mike Holinstat        | Kris M. Markman        | Jill M. Pulley            |
| Cole Hooley           | Michelle Y. Martin     | Susan Pusek               |
| Verónica Hoyo         | Kate Marusina          | Kelli Qua                 |
| Xuemei Huang          | Michael Mashaal, MD    | Suhrud Rajguru            |
| Matthew F. Hudson     | Barbara Massoudi       | Deepa Rastogi             |
| Ana Iltis             | Jomol Mathew           | Lee Ann Riesenber         |
| Megan Bennett Irby    | Tanya Mathew           | Laura Riolo               |
| Rebecca D. Jackson    | Colleen A. Mayowski    | Betsy Rolland             |
| Laura P. James        | Jennifer McCaney       | Morteza Roodgar           |
| Friederike Jayes      | Susanna A. McColley    | Doris Rubio               |
| Michelle Jenkerson    | Wayne T. McCormack     | Elias Samuels             |
| Rebecca N. Jerome     | Wayne T. McCormack     | Fatima Ruiz Sancheznieto  |
| Carolynn Thomas Jones | Pearl McElfish         | Jonathan Schildcrout      |
| Judith Jones          | Richard McGee          | Sarah J. Schlesinger      |
| Felichism W. Kabo     | Kathleen M. McGroarty  | Linda M. Scholl           |
| Alex Kaizer           | Linda McManus          | Denise Scholtens          |
| Cathleen Kane         | Demetria McNeal        | Craig Schwalbe            |
| Kim Kaphingst         | Emma Anne Meagher      | Pich Seekaew              |
| Anand Karnad          | Valentina Medici       | Robert Sege               |
| Al-Faraaz Kassam      | Christina Mehta        | Steven Seidner            |
| Shanthini Kasturi     | Laura Meiners          | Harry Selker              |
| Merle Kataoka-Yahiro  | Jareen Meinen-Derr     | Harsh S. Shah             |
| Emma Kay              | Paul Meissner          | Muhammad J. A. Shiddiky   |
| Jacob Kean            | Frederick J. Meyers    | Rebecca Shlafer           |
| Heidi Keeler          | Lloyd Michener         | Evan Sholle               |
| Patricia J. Kelly     | Freneka Minter         | Mina Silberberg           |

Carsten Claus Skarke  
Hope Smiley-McDonald  
Justin Dean Smith  
Julian Solway  
Stephen Sonstein  
Christine Sorkness  
Ryan Spelley  
Cathie Spino  
Milena Stanojlovic  
Justin Starren  
Scott Steele  
Elizabeth Stevens  
Kathleen R. Stevens  
Sierra Stites  
Yulia A. Strekalova  
Catherine Striley  
Maran Subramain  
Laura Jane Sugarwala  
Laura Svetkey  
Katherine Sward

Laneshia Tague  
Faye Taxman  
Monica M. Taylor  
Gelise Thomas  
Luanne Thorndyke  
Jennifer Tiffany  
Beth B. Tigges  
Umit Topalogu  
Robert Toto  
Robin Tragus  
Nicole Tuitt  
Laurene Tumiel Berhalter  
Jason Umans  
Randy Urban  
Elizabeth Vasile  
Roger D. Vaughan  
Alfred Vitale  
Boris Volkov  
Vanessa V. Volpe  
Russ Waitman

Jeffery Walker  
Michael J. Ward  
Molly Wasko  
Dan A. Waxman  
Karen Weavers  
Gretchen E. White  
Adam Wilcox  
Shaina Willen  
Cathleen Willging  
Karen Wilson  
Christine Wood  
Kevin Wooten  
Alyse Wurcel  
Yaomin Xu  
Paridokht Zarean  
Amir Zeki  
Hongbin Zhang  
Nanhua Zhang  
Kristine Zimmermann  
Diana M. Zuckerman