

CANCER IMMUNOLOGY RESEARCH

Illuminating the Interplay of Cancer and the Immune System



Editor-in-Chief

Robert D. Schreiber



Editor-in-Chief

Philip D. Greenberg

Executive Editor

Karen Honey

Deputy Editors

James P. Allison
Glenn Dranoff
Elizabeth M. Jaffee
Robert H. Vonderheide

Senior Editors

Maxim N. Artyomov
Nina Bhardwaj
Vincenzo Bronte
Christine E. Brown
Marco Colonna
Lisa M. Coussens
Sandra Demaria
Olivera J. Finn

Lawrence H. Fong
Nir Hacohen
Ping-Chih Ho
F. Stephen Hodi
Stephen C. Jameson
Carl H. June
Lewis L. Lanier
Alberto Mantovani
Cornelis J.M. Melief
Hiroyoshi Nishikawa
Evan Newell
Ellen Puré
Padmanee Sharma
Andrea Schietinger
Matthew H. Spitzer
Pramod K. Srivastava
Cornelia L. Trimble
Benoit J. Van den Eynde
Jennifer A. Wargo
Louis M. Weiner

Editorial Staff

Managing Editor

Jason S. Woodson

Editorial Associate

Brittany Rubio

Special Content Manager

Chris Vesce

Senior Production Editor

Brittany Quinn

Editorial Office: *Cancer Immunology Research* [ISSN: 2326-6074 (Online); ISSN: 2326-6066 (Print)] is published monthly, one volume per year, by the American Association for Cancer Research, Inc.; 615 Chestnut Street, 17th Floor, Philadelphia, PA 19106-4404. *Cancer Immunology Research* is abstracted and/or indexed in Current Contents/Clinical Medicine, MEDLINE, Science Citation Index, Scopus, and Web of Science. Copyright 2024 by the American Association for Cancer Research, Inc. ☺ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

CANCER IMMUNOLOGY RESEARCH

Editorial Board

Jean-Pierre Abastado
Gregory P. Adams
Gosse J. Adema
Steven M. Albelda
Frances R. Balkwill
Robert J. Binder
Renier Brentjens
Joshua Brody
Steven Burakoff
William E. Carson
Adelheid Cerwenka
Lieping Chen
Mario P. Colombo
George Coukos
Tanja D. de Gruijl
Michele De Palma
I. Jolanda de Vries
Reno Debets
Nora L. Disis
Charles G. Drake
Edgar G. Engleman
Dean W. Felsher
Robert L. Ferris
Ian H. Frazer
Gordon J. Freeman
Alan B. Frey
Wolf H. Fridman
Yang-Xin Fu
Dmitry I. Gabrilovich
Luca Gattinoni
Eli Gilboa
Sacha Gnjatic
Naoto Hirano
Yuhui Huang
Patrick Hwu
Darrell Irvine
Masahisa Jinushi
Yutaka Kawakami
Khashayarsha Khazaie
Alexander Knuth
Vijay Kuchroo
Peter P. Lee
Haiyan Liu

Ignacio Melero
Miriam Merad
Jeffrey S. Miller
James J. Mulé
David H. Munn
Kunle Odunsi
Pamela S. Ohashi
Suzanne Ostrand-Rosenberg
Karolina Palucka
Drew M. Pardoll
Mikael J. Pittet
Scott K. Pruitt
Gabriel A. Rabinovich
David H. Raulet
Nicholas P. Restifo
Cliona M. Rooney
Alexander Y. Rudensky
Michel Sadelain
Ugur Sahin
Shimon Sakaguchi
John H. Sampson
Noriyuki Sato
Michael Schmitt
Charles L. Sentman
Arlene Sharpe
Michail Sitkovsky
Craig L. Slingluff
Mark X. Sliwkowski
Eduardo M. Sotomayor
Daniel E. Speiser
Melody A. Swartz
Mario Sznol
Hideaki Tahara
Giorgio Trinchieri
Shannon J. Turley
Sjoerd H. van der Burg
Richard G. Vile
Eric Vivier
Irving L. Weissman
E. John Wherry
Kai W. Wucherpfennig
Cassian Yee
Weiping Zou