

DEVELOPMENT AND PSYCHOPATHOLOGY

Dante Cicchetti
Editor

SPECIAL ISSUE
*Multilevel Developmental Perspectives
on Child Maltreatment*

Dante Cicchetti
Sheree L. Toth
Editors

CAMBRIDGE
UNIVERSITY PRESS

Editor

Dante Cicchetti

Mt. Hope Family Center, University of Rochester, and
Institute of Child Development and Department of Psychiatry, University of Minnesota

Associate Editors

Patrick Davies, University of Rochester; Stephen Hinshaw, University of California, Berkeley; Suniya Luthar, Arizona State University; David Magnusson, University of Stockholm; Ann S. Masten, University of Minnesota; Fred A. Rogosch, Mt. Hope Family Center, University of Rochester; Michael Rutter, Institute of Psychiatry, London; Ronald Seifer, Brown University; Daniel Shaw, University of Pittsburgh; L. Alan Sroufe, University of Minnesota; Sheree L. Toth, Mt. Hope Family Center, University of Rochester; Elaine Walker, Emory University

Editorial Board

Adrian Angold, Duke University Medical Center; Carrie E. Bearden, University of California, Los Angeles; Theodore P. Beauchaine, Ohio State University; Marjorie Beeghly, Wayne State University; Jay Belsky, University of California, Davis; Francine M. Benes, Harvard Medical School; James Blair, National Institute of Mental Health; Jacob Burack, McGill University; Mandi L. Burnette, University of Rochester; Keith Burt, University of Vermont; Susan Calkins, University of North Carolina; Susan Campbell, University of Pittsburgh; Tyrone Cannon, University of California, Los Angeles; Cynthia Garcia Coll, Carlos Albizu University; E. Jane Costello, Duke University Medical Center; Joanne Davilla, State University of New York at Stony Brook; Michael DeBellis, Duke University Medical Center; Jean Decety, University of Chicago; Colin G. DeYoung, University of Minnesota; Thomas J. Dishion, Arizona State University; Byron Egeland, University of Minnesota; Inge-Marie Eigsti, University of Connecticut; Nancy Eisenberg, Arizona State University; Peter Fonagy, Menninger Clinic and University College, London; Douglas Granger, Arizona State University; Elena L. Grigorenko, Yale University; Elizabeth Handley, Mt. Hope Family Center, University of Rochester; Benjamin L. Hankin, University of Denver; Nicholas Ialongo, Johns Hopkins University; Sara Jaffee, University of Pennsylvania; Mark Johnson, Birkbeck College, London; Canan Karatekin, University of Minnesota; Jungmeen Kim, Virginia Tech; Julia Kim-Cohen, Yale University; Bonnie Klimes-Dougan, University of Minnesota; Jennifer Lansford, Duke University; Mark Lenzenweger, SUNY Binghamton; Leslie Leve, University of Oregon; Alicia Lieberman, San Francisco General Hospital; Sonia Lupien, McGill University; Michael Lynch, SUNY Geneseo; Jenny Macfie, University of Tennessee; Jody Todd Manly, Mt. Hope Family Center, University of Rochester; Peter J. Marshall, Temple University; Erin B. McClure-Tone, Georgia State University; Ellen Moss, University of Quebec, Montreal; Eun Young Mun, Rutgers University; Peter Mundy, University of California, Davis; Dianna Murray-Close, University of Vermont; Misaki N. Natsuaki, University of California, Riverside; Jenae M. Neiderhiser, Pennsylvania State University; Joel Nigg, Oregon Health and Science University; Jennie G. Noll, Pennsylvania State University; Thomas G. O'Connor, University of Rochester; Daniel Pine, National Institute of Mental Health; Robert Plomin, Institute of Psychiatry, London; Seth Pollak, University of Wisconsin, Madison; Michael Posner, University of Oregon; Robert M. Post, Bipolar Collaborative Network; Frank Putnam, University of Cincinnati; Richard Rende, Brown University; Sally J. Rogers, University of California, Davis; Isabelle M. Rosso, Harvard University; Mary K. Rothbart, University of Oregon; Karen Rudolph, University of Illinois at Urbana-Champaign; Richard Ryan, University of Rochester; Jessica E. Salvatore, Virginia Commonwealth University; M. Mar Sanchez, Emory University; John Schulenberg, University of Michigan; Elizabeth A. Shirtcliff, University of New Orleans; James Snyder, Wichita State University; Margaret Beale Spencer, University of Chicago; Melissa L. Sturge-Apple, University of Rochester; Eric Taylor, Institute of Psychiatry, London; Kathleen M. Thomas, University of Minnesota; Don Tucker, University of Oregon; Audrey R. Tyrka, Brown University; Brian Vaughn, Auburn University; Helena Verdelli, Teachers College, Columbia University; Philip D. Zelazo, University of Minnesota; Robert Zucker, University of Michigan

Editorial Board Members in Memoriam: Dennis P. Cantwell, Donald J. Cohen, Nicki R. Crick, Doug Derryberry, Norman Garnezy, Xiaojia Ge, Robert Harmon, Stuart Hauser, Marian Radke-Yarrow, Lee Robins

Aims and Scope: *Development and Psychopathology* is an international multidisciplinary journal devoted to the publication of original empirical, theoretical, and review articles on the interrelationship of normal and pathological development in children and adults.

Editorial Office: Mt. Hope Family Center, University of Rochester, 187 Edinborough Street, Rochester, NY 14608. Telephone: 585-275-2991. E-mail: developmentandpsychopathology@rochester.edu

Editorial Assistant: Carol Marcy, University of Rochester **Assistant to Editor:** Karlyn Wegmann, University of Minnesota

Publishing, Production, and Advertising Office: Cambridge University Press, 32 Avenue of the Americas, New York, NY 10013-2473.

Subscription Offices: (for USA, Canada, and Mexico) Cambridge University Press, 32 Avenue of the Americas, New York, NY 10013-2173; (for UK and elsewhere) Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK.

2015 Subscription Information: *Development and Psychopathology* (ISSN 0954-5794) is published five times per year by Cambridge University Press, 32 Avenue of the Americas, New York, NY 10013-2473, USA/Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK. Annual subscription rates: Institutions print and electronic: US \$900 in the USA, Canada, and Mexico; UK £496 + VAT elsewhere. Institutions electronic only: US \$666 in the USA, Canada, and Mexico; UK £369 + VAT elsewhere. Individuals print and electronic: US \$223 in the USA, Canada, and Mexico; UK £120 + VAT elsewhere. Individuals electronic only: US \$177 in the USA, Canada, and Mexico; UK £98 + VAT elsewhere. Single Part: US \$198 in the USA, Canada, and Mexico; UK £109 + VAT elsewhere. Prices include postage and insurance. Airmail or registered mail is extra. Back volume prices are available upon request.

Institutional Subscribers: Information on *Development and Psychopathology* and all other Cambridge journals is available at the Cambridge Journals Online website via <http://www.journals.cambridge.org>

Indexing: This journal is covered in *Child Development Abstracts & Bibliography*, *Current Contents/Social & Behavioral Sciences*, *Social Sciences Citation Index*, *Index Medicus*, and *MEDLINE*.

© Cambridge University Press 2015. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopy, or otherwise, without permission in writing from Cambridge University Press. For further information see <http://us.cambridge.org/information/rights> or <http://www.cambridge.org/uk/information/rights>

Photocopying Information (for USA only): The Item-Fee Code for this publication (0954-5794/15) indicates that copying for internal or personal use beyond that permitted by Sec. 107 or 108 of the US Copyright Law is authorized for users duly registered with the Copyright Clearance Center (CCC), provided that the appropriate remittance per article is paid directly to: CCC, 222 Rosewood Drive, Danvers, MA 01923. Specific written permission must be obtained for all other copying; contact the nearest Cambridge University Press office. Contact the *ISI Tearsheet Service*, 3501 Market Street, Philadelphia, PA 19104, for single copies of separate articles.

Periodicals postage is paid at New York, NY, and additional mailing offices. POSTMASTER: Send address changes in the USA, Canada, and Mexico to: *Development and Psychopathology*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, NY 10994-2133.

Printed in the United States of America.

DEVELOPMENT AND PSYCHOPATHOLOGY

VOLUME 27

NOVEMBER 2015

NUMBER 4(PART 2)

SPECIAL ISSUE

*Multilevel Developmental Perspectives
on Child Maltreatment*

DANTE CICHETTI

SHEREE L. TOTH

EDITORS

 **CAMBRIDGE**
UNIVERSITY PRESS