

## *Reviewers*

In addition to members of the Editorial Board, we sought reviews from a number of other scholars. We wish to acknowledge our appreciation to all those who returned reviews during 2009.

John Abela  
Lawrence Aber  
Emma Adam  
Joseph Allen  
William Arsenio  
Jens Asendorpf

Theodore Beauchaine  
Martha Bell  
Karen Bierman  
Mark Biernbaum  
Ann Bigelow  
R. J. Blair  
Dan Blonigen  
Anne Bogat  
Kerry Bolger  
Michelle Bosquet Enlow  
Thomas Boyce  
Mara Brendgen  
Joshua Brown  
Jackie Bruce  
Kristin Buss

Deborah Capaldi  
Alice Carter  
Avshalom Caspi  
John Clarkin  
Douglas Coatsworth  
Craig Colder  
David Cole  
Pamela Cole  
W. Andrew Collins  
E. Mark Cummings  
W. John Curtis  
Bruce Cuthbert

Ronald Dahl  
Rina das Eiden  
Jill deVilliers  
Susan Dickstein  
Joshua Diehl

Thomas Dishion  
Kenneth Dodge  
Mary Dozier  
Paul Duberstein

Miriam Ehrensaft  
Nancy Eisenberg  
Mona El-Sheikh  
Stephen Erath

Phil Fisher  
Hiram Fitzgerald  
Kate Flory  
Erika Forbes

Xiaojia Ge  
Tasha Geiger  
Abi Gewirtz  
Adriana Gonzalez  
Diane Gooding  
Sherryl Goodman  
Isabella Granic  
Mark Greenberg  
Wendy Grolnick  
John Grych  
Megan Gunnar  
Leslie Gutman

Benjamin Hankin  
Sydney Hans  
Lauren Harris  
Christine Heim  
David Hessl  
Kristi Hiatt  
Peter Hobson  
Andrea Hussong

William Iacono  
Carroll Izard

Deborah Jacobvitz  
Oliver John

Margaret Keiley  
Peggy Keller  
Jungmeen Kim  
Julia Kim-Cohen  
Wendy Kliewer  
Ami Klin  
Rafael Klorman  
Roger Kobak  
Becky Kochenderfer-Ladd

Liliana Lengua  
Alytia Levendosky  
Seymour Levine  
Marc Lewis  
Kristin Lindahl  
Rolf Loeber  
Catherine Lord  
Joan Luby  
Monica Luciana  
Sonia Lupien  
Karlen Lyons-Ruth

Jenny Macfie  
Michael MacKenzie  
Kim MacLean  
Jody Todd Manly  
Angeline Maughan  
Linda Mayes  
Keith McBurnett  
Erin McClure  
Matt McGue  
Julia Mendez  
Ivan Mervielde  
Jessica Meyer  
Susan Mineka  
Eun-Young Mun  
Jeffrey Munson  
Lynne Murray  
Diana Murray-Close

Jenae Neiderhiser  
Wendy Nilsen

Jelena Obradovic  
Sheryl Olson  
David Oppenheim

Dustin Pardini  
Joel Paris  
Katherine Pears

David Pederson  
Candida Peterson  
Hanno Petras  
Vicky Phares  
Robert Pianta  
Kavita Prakash

David Rabinder  
Adrian Raine  
Joseph Rausch  
Sally Rogers  
Glenn Roisman

Mar Sanchez  
Allen Schore  
Lisa Schrott  
John Schulenberg  
Martha Shenton  
Marian Sigman  
Jen Silk  
Tristram Smith  
Howard Steele  
Chase Stovall-McClough  
Melissa Sturge-Apple  
Frank Symons

Elin Thordardottir  
Patrick Tolan

Kristin Valentino  
Marinus van IJzendoorn  
Helena Verdelli  
Essi Viding  
Frank Vitaro  
Joan Vondra

Lauren Wakshlag  
Christine Wekerle  
Drew Westen  
Cathy Widom  
Michael Windle  
Marcia Winter  
David Wolfe

Tuppett Yates  
Eric Youngstrom

Laurel Zelazo  
Philip Zelazo

# DEVELOPMENT AND PSYCHOPATHOLOGY

## Cumulative Contents Volume 21, 2009

EDITOR  
DANTE CICHETTI



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, USA*

Stephen Hinshaw  
*University of California,  
 Berkeley, USA*

Suniya Luther  
*Columbia University, USA*

David Magnusson  
*University of Stockholm, Sweden*

Ann Masten  
*University of Minnesota, USA*

Fred A. Rogosch  
*Mt. Hope Family Center,  
 University of Rochester, USA*

Michael Rutter  
*Institute of Psychiatry, London, UK*

Ronald Seifer  
*Brown University, USA*

Daniel Shaw  
*University of Pittsburgh, USA*

L. Alan Sroufe  
*University of Minnesota, USA*

Sheree L. Toth  
*Mt. Hope Family Center,  
 University of Rochester, USA*

Elaine Walker  
*Emory University, USA*

**Editorial Board**

Adrian Angold  
*Duke University Medical Center, USA*

Carrie Bearden  
*University of California, Los Angeles,  
 USA*

Marjorie Beeghly  
*Children's Hospital, Boston, USA*

Jay Belsky  
*University of London, UK*

Francine M. Benes  
*Harvard Medical School, USA*

Jacob Burack  
*McGill University, Canada*

Susan Calkins  
*University of North Carolina, USA*

Susan Campbell  
*University of Pittsburgh, USA*

Tyrone Cannon  
*University of California, Los Angeles,  
 USA*

E. Jane Costello  
*Duke University Medical Center, USA*

Eric Courchesne  
*Children's Hospital Research Center  
 San Diego, USA*

Nicki R. Crick  
*University of Minnesota, USA*

Michael DeBellis  
*Duke University Medical Center, USA*

Doug Derryberry  
*Oregon State University, USA*

Byron Egeland  
*University of Minnesota, USA*

Peter Fonagy  
*The Menninger Clinic, USA and  
 University College, London, UK*

Cynthia Garcia Coll  
*Brown University, USA*

Xiaojia Ge  
*University of Minnesota, USA*

Douglas Granger  
*Pennsylvania State University, USA*

Elena Grigorenko  
*Yale University, USA*

Nicholas Ialongo  
*Johns Hopkins University, USA*

Sara Jaffe  
*Institute of Psychiatry, London, UK*

Mark Johnson  
*Birkbeck College, London, UK*

Canan Karatekin  
*University of Minnesota, USA*

Jungmeen Kim  
*Virginia Tech, USA*

Julia Kim-Cohen  
*Yale University, USA*

Bonnie Klimes-Dougan  
*University of Minnesota, USA*

Mark Lenzenweger  
*SUNY Binghamton, USA*

Alicia Lieberman  
*San Francisco General Hospital, USA*

Sonia Lupien  
*McGill University, Canada*

Donald Lynam  
*Purdue University, USA*

Michael Lynch  
*SUNY Geneseo, USA*

Jenny Macfie  
*University of Tennessee, USA*

Robert Keith McBurnett  
*University of California, San Francisco,  
 USA*

Erin B. McClure-Tone  
*Georgia State University, USA*

Ellen Moss  
*University of Quebec, Montreal, Canada*

Eun Young Mun  
*Rutgers University, USA*

Peter Mundy  
*University of Miami, USA*

Jenae Neiderhiser  
*Pennsylvania State University, USA*

Joel Nigg  
*Michigan State University, USA*

Thomas G. O'Connor  
*University of Rochester, USA*

Daniel Pine  
*National Institute of Mental Health, USA*

Robert Plomin  
*Institute of Psychiatry, London, UK*

Seth Pollak  
*University of Wisconsin, Madison, USA*

Michael Posner  
*University of Oregon, USA*

Robert M. Post  
*National Institute of Mental Health, USA*

Frank Putnam  
*University of Cincinnati, USA*

Richard Rende  
*Brown University, USA*

Sally Rogers  
*University of California, Davis, USA*

Mary K. Rothbart  
*University of Oregon, USA*

Karen Rudolph  
*University of Illinois at  
 Urbana-Champaign, USA*

Richard Ryan  
*University of Rochester, USA*

John Schulenberg  
*University of Michigan, USA*

Elizabeth A. Shirlcliff  
*University of Wisconsin, Madison, USA*

James Snyder  
*Wichita State University, USA*

Margaret Beale Spencer  
*University of Chicago, USA*

Melissa Sturge-Apple  
*Mt. Hope Family Center,  
 University of Rochester, USA*

Eric Taylor  
*Institute of Psychiatry, London, UK*

Jody Todd Manly  
*Mt. Hope Family Center,  
 University of Rochester, USA*

Don Tucker  
*University of Oregon, USA*

Brian Vaughn  
*Auburn University, USA*

Irwin Waldman  
*Emory University, USA*

Daniel Weinberger  
*National Institute of Mental Health, USA*

Robert Zucker  
*University of Michigan, USA*

# DEVELOPMENT AND PSYCHOPATHOLOGY

**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 Edinburgh Street, Rochester, NY 14608  
 Telephone: (585) 275-2991  
 E-mail: [developmentandpsychopathology@rochester.edu](mailto:developmentandpsychopathology@rochester.edu)

**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.

**2009 Subscription Information:** *Development and Psychopathology* (ISSN 0954-5794) is published quarterly 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\$494 in the USA, Canada, and Mexico; UK £265 + VAT elsewhere. Institutions electronic only: US \$421 in the USA, Canada, and Mexico; UK £229 + VAT elsewhere. Institutions print only: US \$458 in the USA, Canada, and Mexico; UK £250 + VAT elsewhere. Individuals print and electronic: US \$153 in the USA, Canada, and Mexico; UK £83 + VAT elsewhere. Individuals print only: US \$125 in the USA, Canada, and Mexico; UK £75 + VAT elsewhere. Single Part: US \$114 in the USA, Canada, and Mexico; UK £62 + 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*.

**Copyright © 2009 Cambridge University Press.** 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 (0954-5794/09 \$20.00) 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.

# Contents to Volume 21

Volume 21

January 2009

Number 1

## CONTENTS

### *Special Section Articles*

#### *Editorial*

RONALD E. DAHL  
AND MEGAN R. GUNNAR

- 1** Heightened stress responsiveness and emotional reactivity during pubertal maturation: Implications for psychopathology

JENNIFER S. SILK,  
GREG J. SIEGLE,  
DIANA J. WHALEN,  
LAURA J. OSTAPENKO,  
CECILE D. LADOUCEUR,  
AND RONALD E. DAHL

- 7** Pubertal changes in emotional information processing: Pupillary, behavioral, and subjective evidence during emotional word identification

KARINA M. QUEVEDO,  
STEPHEN D. BENNING,  
MEGAN R. GUNNAR,  
AND RONALD E. DAHL

- 27** The onset of puberty: Effects on the psychophysiology of defensive and appetitive motivation

LAURA R. STROUD,  
ELIZABETH FOSTER,  
GEORGE D. PAPANDONATOS,  
KATHRYN HANDWERGER,  
DOUGLAS A. GRANGER,  
KATIE T. KIVLIGHAN,  
AND RAYMOND NIAURA

- 47** Stress response and the adolescent transition: Performance versus peer rejection stressors

MEGAN R. GUNNAR,  
SANDI WEWERKA,  
KRISTIN FRENN,  
JEFFREY D. LONG, AND  
CHRISTOPHER GRIGGS

- 69** Developmental changes in hypothalamus–pituitary–adrenal activity over the transition to adolescence: Normative changes and associations with puberty

### *Commentary*

LINDA PATIA SPEAR

- 87** Heightened stress responsivity and emotional reactivity during pubertal maturation: Implications for psychopathology

*Regular Articles*

- LESLIE ATKINSON,  
EMAN LEUNG,  
SUSAN GOLDBERG,  
DIANE BENOIT,  
LORI POULTON,  
NATALIE MYHAL,  
KIRSTEN BLOKLAND,  
AND SHEILA KERR
- 99** Attachment and selective attention:  
Disorganization and emotional Stroop  
reaction time
- JOHN N. CONSTANTINO,  
ANNA M. ABBACCHI,  
PATRICIA D. LAVESSER,  
HANNAH REED,  
LEAH GIVENS,  
LILY CHIANG,  
TEDDI GRAY,  
MAGGIE GROSS,  
YI ZHANG, AND  
RICHARD D. TODD
- 127** Developmental course of autistic social  
impairment in males
- HEATHER E. GROSS,  
DANIEL S. SHAW,  
REBECCA A. BURWELL,  
AND DANIEL S. NAGIN
- 139** Transactional processes in child disruptive  
behavior and maternal depression: A longitudinal  
study from early childhood to adolescence
- JACQUELINE BRUCE,  
AMANDA R. TARULLO,  
AND MEGAN R. GUNNAR
- 157** Disinhibited social behavior among internationally  
adopted children
- KRISTYN ZAJAC  
AND ROGER KOBAC
- 173** Caregiver unresolved loss and abuse and child  
behavior problems: Intergenerational effects in a  
high-risk sample
- JASMINA BURDZOVIC ANDREAS  
AND MALCOLM W. WATSON
- 189** Moderating effects of family environment on the  
association between children's aggressive beliefs  
and their aggression trajectories from childhood  
to adolescence
- BROOKS B. GUMP,  
JACKI REIHMAN,  
PAUL STEWART,  
ED LONKY,  
TOM DARVILL,  
DOUGLAS A. GRANGER,  
AND KAREN A. MATTHEWS
- 207** Trajectories of maternal depressive symptoms over  
her child's life span: Relation to adrenocortical,  
cardiovascular, and emotional functioning in  
children
- PATRICK J. FOWLER,  
CAROLYN J. TOMPSETT,  
JORDAN M. BRACISZEWSKI,  
ANGELA J. JACQUES-TIURA,  
AND BORIS B. BALTES
- 227** Community violence: A meta-analysis on the  
effect of exposure and mental health outcomes of  
children and adolescents

- JERA NELSON CUNNINGHAM,  
WENDY KLIEWER, AND  
PAMELA W. GARNER
- 261 Emotion socialization, child emotion understanding and regulation, and adjustment in urban African American families: Differential associations across child gender
- RUSAN CHEN AND  
BRUCE SIMONS-MORTON
- 285 Concurrent changes in conduct problems and depressive symptoms in early adolescents: A developmental person-centered approach
- MANDI L. BURNETTE AND  
N. DICKON REPUCCI
- 309 Childhood abuse and aggression in girls: The contribution of borderline personality disorder
- NADIA S. ANSARY AND  
SUNIYA S. LUTHAR
- 319 Distress and academic achievement among adolescents of affluence: A study of externalizing and internalizing problem behaviors and school performance

**Volume 21**

**May 2009**

**Number 2**

**CONTENTS**

*Articles*

- SUZANNE KING,  
ADHAM MANCINI-MARIE,  
ALAIN BRUNET,  
ELAINE WALKER,  
MICHAEL J. MEANEY,  
AND DAVID P. LAPLANTE
- 343 Prenatal maternal stress from a natural disaster predicts dermatoglyphic asymmetry in humans
- KARLEN LYONS-RUTH,  
JEAN-FRANÇOIS BUREAU,  
CAITLIN D. RILEY, AND  
ALISHA F. ATLAS-CORBETT
- 355 Socially indiscriminate attachment behavior in the Strange Situation: Convergent and discriminant validity in relation to caregiving risk, later behavior problems, and attachment insecurity
- DAVID H. BARKER,  
ALEXANDRA L. QUITTNER,  
NANCY E. FINK,  
LAURIE S. EISENBERG,  
EMILY A. TOBEY,  
JOHN K. NIPARKO, AND  
THE CDaCI INVESTIGATIVE TEAM
- 373 Predicting behavior problems in deaf and hearing children: The influences of language, attention, and parent-child communication
- LAUREN H. SUPPLEE,  
EMILY MOYE SKUBAN,  
DANIEL S. SHAW,  
AND JOANNA PROUT
- 393 Emotion regulation strategies and later externalizing behavior among European American and African American children

- DANIEL S. SHAW,  
ARIN CONNELL,  
THOMAS J. DISHON,  
MELVIN N. WILSON,  
AND FRANCES GARDNER **417** Improvements in maternal depression as a mediator of intervention effects on early childhood problem behavior
- DAVID S. ZIELINSKI,  
JOHN ECKENRODE,  
AND DAVID L. OLDS **441** Nurse home visitation and the prevention of child maltreatment: Impact on the timing of official reports
- NANCY EISENBERG,  
LEI CHANG,  
YUE MA, AND  
XIAORUI HUANG **455** Relations of parenting style to Chinese children's effortful control, ego resilience, and maladjustment
- REID GRIFFITH FONTAINE,  
CHONGMING YANG,  
VIRGINIA SALZER BURKS,  
KENNETH A. DODGE,  
JOSEPH M. PRICE,  
GREGORY S. PETTIT,  
AND JOHN E. BATES **479** Loneliness as a partial mediator of the relation between low social preference in childhood and anxious/depressed symptoms in adolescence
- JELENA OBRADOVIĆ,  
JEFFREY D. LONG,  
J. J. CUTULI,  
CHI-KEUNG CHAN,  
ELIZABETH HINZ,  
DAVID HEISTAD,  
AND ANN S. MASTEN **493** Academic achievement of homeless and highly mobile children in an urban school district: Longitudinal evidence on risk, growth, and resilience
- JEAN-FRANÇOIS BUREAU,  
M. ANN EASTERBROOKS,  
AND KARLEN LYONS-RUTH **519** Maternal depressive symptoms in infancy: Unique contribution to children's depressive symptoms in childhood and adolescence?
- MARK T. FILLMORE,  
RICHARD MILICH, AND  
ELIZABETH P. LORCH **539** Inhibitory deficits in children with attention-deficit/hyperactivity disorder: Intentional versus automatic mechanisms of attention
- MELANIE J. ZIMMER-GEMBECK,  
TRACEY A. HUNTER,  
ALLISON M. WATERS,  
AND RHIARNE PRONK **555** Depression as a longitudinal outcome and antecedent of preadolescents' peer relationships and peer-relevant cognition
- ROGER KOBAK,  
KRISTYN ZAJAC, AND  
SEYMOUR LEVINE **579** Cortisol and antisocial behavior in early adolescence: The role of gender in an economically disadvantaged sample
- COLLEEN S. CONLEY AND  
KAREN D. RUDOLPH **593** The emerging sex difference in adolescent depression: Interacting contributions of puberty and peer stress



- XIAOJIA GE,  
MISAKI N. NATSUAKI,  
JENAE M. NEIDERHISER,  
AND DAVID REISS
- MARION S. FORGATCH,  
GERALD R. PATTERSON,  
DAVID S. DEGARMO,  
AND ZINTARS G. BELDAVS
- MICHELLE LITTLE,  
ELIZABETH HANDLEY,  
EILEEN LEUTHE,  
AND LAURIE CHASSIN
- 621** The longitudinal effects of stressful life events on adolescent depression are buffered by parent–child closeness
- 637** Testing the Oregon delinquency model with 9-year follow-up of the Oregon Divorce Study
- 661** The impact of parenthood on alcohol consumption trajectories: Variations as a function of timing of parenthood, familial alcoholism, and gender

**Volume 21**

**August 2009**

**Number 3**

**CONTENTS**

*Special Issue: Precursors and Diverse Pathways to Personality Disorder in Children and Adolescents: Part 1*

*Editorial*

- DANTE CICCETTI AND  
NICKI R. CRICK
- 683** Precursors and diverse pathways to personality disorder in children and adolescents

*Articles*

- JENNIFER L. TACKETT,  
STEVE BALSIS,  
THOMAS F. OLTMANN,  
AND ROBERT F. KRUEGER
- REBECCA L. SHINER
- THEODORE P. BEAUCHAINE,  
DANIEL N. KLEIN,  
SHEILA E. CROWELL,  
CHRISTINA DERBIDGE,  
AND LISA GATZKE-KOPP
- THOMAS A. WIDIGER,  
BARBARA DE CLERCQ,  
AND FILIP DE FRUYT
- SIDNEY J. BLATT AND  
PATRICK LUYTEN
- 687** A unifying perspective on personality pathology across the life span: Developmental considerations for the fifth edition of the *Diagnostic and Statistical Manual of Mental Disorders*
- 715** The development of personality disorders: Perspectives from normal personality development in childhood and adolescence
- 735** Multifinality in the development of personality disorders: A Biology × Sex × Environment interaction model of antisocial and borderline traits
- 771** Childhood antecedents of personality disorder: An alternative perspective
- 793** A structural–developmental psychodynamic approach to psychopathology: Two polarities of experience across the life span

- NATALIE D. EGGUM,  
NANCY EISENBERG,  
TRACY L. SPINRAD,  
CARLOS VALIENTE,  
ALISON EDWARDS,  
ANNE S. KUPFER,  
AND MARK REISER
- 815 Predictors of withdrawal: Possible precursors of avoidant personality disorder
- ROGER KOBAK,  
KRISTYN ZAJAC,  
AND CLARE SMITH
- 839 Adolescent attachment and trajectories of hostile–impulsive behavior: Implications for the development of personality disorders
- BARBARA DE CLERCQ,  
KARLA VAN LEEUWEN,  
WIM VAN DEN NOORTGATE,  
MARLEEN DE BOLLE,  
AND FILIP DE FRUYT
- 853 Childhood personality pathology: Dimensional stability and change
- BRENT W. ROBERTS,  
JOSHUA J. JACKSON,  
JESSICA BURGER, AND  
ULRICH TRAUTWEIN
- 871 Conscientiousness and externalizing psychopathology: Overlap, developmental patterns, and etiology of two related constructs
- JUNGMEEN KIM,  
DANTE CICCHETTI,  
FRED A. ROGOSCH,  
AND JODY TODD MANLY
- 889 Child maltreatment and trajectories of personality and behavioral functioning: Implications for the development of personality disorder
- CHRISTOPHER J. PATRICK,  
DON C. FOWLES, AND  
ROBERT F. KRUEGER
- 913 Triarchic conceptualization of psychopathy: Developmental origins of disinhibition, boldness, and meanness
- LAURA A. BAKER,  
CATHERINE TUVBLAD,  
CHANDRA REYNOLDS,  
MO ZHENG,  
DORA ISABEL LOZANO,  
AND ADRIAN RAINE
- 939 Resting heart rate and the development of antisocial behavior from age 9 to 14: Genetic and environmental influences
- DANIEL HART AND  
NAOMI R. MARMORSTEIN
- 961 Neighborhoods and genes and everything in between: Understanding adolescent aggression in social and biological contexts
- LARS R. BERGMAN,  
HENRIK ANDERSHED, AND  
ANNA-KARIN ANDERSHED
- 975 Types and continua in developmental psychopathology: Problem behaviors in school and their relationship to later antisocial behavior
- JENNY MACFIE  
AND SCOTT A. SWAN
- 993 Representations of the caregiver–child relationship and of the self, and emotion regulation in the narratives of young children whose mothers have borderline personality disorder

- THOMAS N. CRAWFORD, 1013 Early maternal separation and the trajectory  
 PATRICIA R. COHEN, of borderline personality disorder symptoms  
 HENIAN CHEN,  
 DEIDRE M. ANGLIN,  
 AND MIRIAM EHRENSAFT

Volume 21

November 2009

Number 4

CONTENTS

*Special Issue: Precursors and Diverse Pathways to Personality Disorder  
 in Children and Adolescents: Part 2*

*Articles*

- RICHARD A. DEPUE 1031 Genetic, environmental, and epigenetic  
 factors in the development of personality  
 disturbance
- PETER LAFRENIERE 1065 A functionalist perspective on social anxiety and  
 avoidant personality disorder
- ROOS HUTTEMAN, 1083 Changing dynamics in problematic personality:  
 JAAP J. A. DENISSEN, A multiwave longitudinal study of the relationship  
 JENS B. ASENDORPF, AND between shyness and aggressiveness from  
 MARCEL A. G. VAN AKEN childhood to early adulthood
- SUSAN D. CALKINS 1095 Developmental origins of early antisocial behavior  
 AND SUSAN P. KEANE
- PAUL J. FRICK 1111 Antisocial behavior from a developmental  
 AND ESSI VIDING psychopathology perspective
- DONALD R. LYNAM, 1133 The stability of psychopathy across adolescence  
 RICHARD CHARNIGO,  
 TERRIE E. MOFFITT,  
 ADRIAN RAINE,  
 ROLF LOEBER, AND  
 MAGDA  
 STOUTHAMER-LOEBER
- KAREN D. RUDOLPH 1155 Exploring depressive personality traits in youth:  
 AND DANIEL N. KLEIN Origins, correlates, and developmental  
 consequences
- MISAKI N. NATSUAKI, 1181 Examining the developmental history  
 DANTE CICCETTI, AND of child maltreatment, peer relations, and  
 FRED A. ROGOSCH externalizing problems among adolescents  
 with symptoms of paranoid personality  
 disorder

- SYDNEY L. HANS,  
JUDITH G. AUERBACH,  
KEITH H. NUECHTERLEIN,  
ROBERT F. ASARNOW,  
JOAN ASARNOW, BENEDICT  
STYR, AND JOSEPH MARCUS
- MARK F. LENZENWEGER  
AND JOHN B. WILLETT
- SANDER THOMAES,  
BRAD J. BUSHMAN,  
BRAM OROBIO DE CASTRO,  
AND HEDY STEGGE
- WILLIAM M. BUKOWSKI,  
ALEX SCHWARTZMAN,  
JONATHAN SANTO,  
CATHERINE BAGWELL,  
AND RYAN ADAMS
- KIM L. GRATZ,  
MATTHEW T. TULL,  
ELIZABETH K. REYNOLDS,  
COURTNEY L. BAGGE,  
ROBERT D. LATZMAN,  
STACEY B. DAUGHTERS,  
AND C. W. LEJUEZ
- PAMELA M. COLE,  
SANDRA J. LLERA, AND  
CAROLINE K. PEMBERTON
- ELIZABETH A. CARLSON,  
BYRON EGELAND,  
AND L. ALAN SROUFE
- MARINA A. BORNOVALOVA,  
BRIAN M. HICKS,  
WILLIAM G. IACONO,  
AND MATT MCGUE
- PETER FONAGY AND  
PATRICK LUYTEN
- 1195** Neurodevelopmental factors associated with schizotypal symptoms among adolescents at risk for schizophrenia
- 1211** Does change in temperament predict change in schizoid personality disorder? A methodological framework and illustration from the Longitudinal Study of Personality Disorders
- 1233** What makes narcissists bloom? A framework for research on the etiology and development of narcissism
- 1249** Reactivity and distortions in the self: Narcissism, types of aggression, and the functioning of the hypothalamic–pituitary–adrenal axis during early adolescence
- 1263** Extending extant models of the pathogenesis of borderline personality disorder to childhood borderline personality symptoms: The roles of affective dysfunction, disinhibition, and self- and emotion-regulation deficits
- 1293** Emotional instability, poor emotional awareness, and the development of borderline personality
- 1311** A prospective investigation of the development of borderline personality symptoms
- 1335** Stability, change, and heritability of borderline personality disorder traits from adolescence to adulthood: A longitudinal twin study
- 1355** A developmental, mentalization-based approach to the understanding and treatment of borderline personality disorder
- 1383** Volume 21 Reviewers
- 1385** Volume 21 Cumulative Contents

## Instructions for Contributors

*Development and Psychopathology* strongly encourages contributions from a wide array of disciplines because an effective developmental approach to psychopathology necessitates a broad synthesis of knowledge. Manuscripts will be considered that address, for example, the causes and effects of genetic, neurobiological, biochemical, cognitive, or socioemotional factors in developmental processes with relevance to various risk or psychopathological conditions. The journal also seeks articles on the processes underlying the adaptive and maladaptive outcomes in populations at risk for psychopathology.

### Manuscript Review Policy

Manuscripts will have a blind review by at least two scholars. Every effort will be made to notify authors within 90 days of submission concerning the reviewers' recommendations and comments. *Development and Psychopathology* has no page charges.

### Manuscript Submission

One paper copy of each manuscript and a CD or disk file (Word or WordPerfect) should be submitted to:

Editorial Office  
*Development and Psychopathology*  
Mt. Hope Family Center  
University of Rochester  
187 Edinburgh Street  
Rochester, NY 14608, USA  
developmentandpsychopathology@rochester.edu

### Manuscript Preparation and Style

**General.** All manuscripts must be typed on 8.5 × 11 in. or A4 white bond paper with ample margins on all sides. The entire manuscript—including abstract, tables, and references—must be double-spaced. Manuscript pages must be numbered consecutively. The language of publication is English.

**Style and Manuscript Order.** Follow the general style guidelines set forth in the *Publication Manual of the American Psychological Association* (5th ed.). The Editor may find it necessary to return manuscripts for reworking or retyping that do not conform to requirements. Do not use embedded references, end notes, or bookmarks. Manuscripts must be arranged in the following order:

**Title Page** (page 1). To facilitate blind review, all indication of authorship must be limited to this page; other pages must only show the short title plus page number at the top right. The title page should include the (a) full article title; (b) name and affiliations of all authors; (c) mailing address and telephone number of the lead author; (d) address of where to send offprints, if different from the lead author; and (e) short title of less than 50 characters.

**Abstract Page** (page 2). Include (a) a full article title, (b) an abstract of no more than 200 words, and (c) up to five keywords for indexing and information retrieval.

**Acknowledgments** (page 2). These should be placed below the abstract. Use this section to indicate grant support, substantial assistance in the preparation of the article, or other author notes.

**Text** (page 3). Use a five character paragraph indent. Do not hyphenate words at the end of lines. Do not justify right margins.

**References.** Bibliographic citations in the text must include the author's last name and date of publication and may include page references. Examples of in-text citation style are Cicchetti (2002), Durston (2008, pp. 1133–1135), Hunt and Thomas (2008), (Hunt & Thomas, 2008), (Posner, Rothbart, Sheese, & Tang, 2007), and subsequently (Posner et al.,

2007). If more than one, citations must be in *alphabetical* order. Every in-text citation must be included in the reference section; every reference must be cited in the text. Examples of reference styles:

### Journal Article

Cicchetti, D., & Thomas, K. M. (2008). Imaging brain systems in normality and psychopathology. *Development and Psychopathology*, 20, 1023–1027.

### Book

Piaget, J. (1962). *Play, dreams, and imitation in childhood*. New York: Norton.

### Chapter in an Edited Book

Gotlieb, G., & Willoughby, M. T. (2006). Probabilistic epigenesis of psychopathology. In D. Cicchetti & D. Cohen (Eds.), *Developmental psychopathology* (Vol. 1, 2nd ed., pp. 673–700). New York: Wiley.

**Appendix** (optional). Use only if needed.

**Tables.** Tables must appear as a unit following the reference section. Each table should be typed double-spaced on a separate sheet, numbered consecutively with an Arabic numeral, and given a short title. (Example: Table 5. Comparisons on language variables.) All tables must be cited in the text.

**Figures.** Figures must appear as a unit following the tables. Each figure must be numbered consecutively with an Arabic numeral and a descriptive legend. Legends must be typed together, double-spaced, on a separate sheet preceding the artwork. (Example: Figure 3. The progress in language development.) Figures, which should normally be in black and white, must be supplied no larger than 8 × 10 in. and ready for photographic reproduction. If authors have color figures, CUP will provide a price quotation for the cost to the author. Diagrams must be professionally rendered or computer generated. All labels and details must be clearly printed and large enough to remain legible at a 50% reduction. Artwork should be identified by figure number and short title and be carefully packaged in a protective envelope. All figures must be cited in the text.

### Copyediting and Page Proofs

The publisher reserves the right to copyedit manuscripts to conform to journal style. The lead author will receive page proofs for correction of typographical errors only. No rewriting of the original manuscript as submitted is allowed in the proof stage. Authors must return proofs to Cambridge within 48 hr of receipt or approval will be assumed.

### Offprints

The lead author will receive a high-quality PDF of his or her article. A form accompanying the page proofs allows the lead author to order complete copies of the issue and/or purchase offprints. All coauthor offprint requirements must be included on this form. Orders received after the issue is printed are subject to a 50% reprint surcharge.

### Copyright and Originality

It is a condition of publication that all manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. All authors must sign the Transfer of Copyright Agreement, which is available from the publisher, before an article can be published. Government authors whose articles were created in the course of their employment must so certify in lieu of copyright transfer. Authors must obtain written permission from the copyright owners to reprint any previously published material included in their article and provide the permission(s) to CUP.

# Frontiers in Translational Research on Trauma

## MT. HOPE FAMILY CENTER'S 30TH ANNIVERSARY SYMPOSIUM

*Co-chaired by:*

Sheree L. Toth, Ph.D., Mt. Hope Family  
Center, University of Rochester

Dante Cicchetti, Ph.D., Institute of  
Child Development, University of Minnesota

**November 12 and 13, 2009**

University of Rochester  
Memorial Art Gallery Campus  
Rochester, New York

*Frontiers in Translational Research  
on Trauma, Mt. Hope Family Center's  
30th Anniversary Symposium,*

offers a unique opportunity for a  
group of eminent scientists to present  
their work on trauma to an audience  
of academicians, practitioners and  
policymakers. The goal of this  
symposium is to foster the translation  
of scientific findings on trauma in  
order to increase knowledge about,  
and the availability of, empirically  
supported interventions. In addition  
to the presentations, round table  
discussions will highlight the  
commitment of Mt. Hope Family  
Center to disseminate this work to a  
wider community-based audience.  
The work presented will be published  
in a special edition of *Development  
and Psychopathology*.

THE PRESENTERS:

**J. Lawrence Aber, Ph.D.**  
New York University

**Dante Cicchetti, Ph.D.**  
University of Minnesota

**Gail Goodman, Ph.D.**  
University of California, Davis

**Christine M. Heim, Ph.D.**  
Emory University

**Alicia F. Lieberman, Ph.D.**  
University of California,  
San Francisco

**Ann S. Masten, Ph.D.**  
University of Minnesota

Registration and complete details (including transportation and hotels) are available  
online at <http://www.psych.rochester.edu/research/mhfc/>

**Mt. Hope  
family Center**

*Building strong families through scientific research*



UNIVERSITY of  
**ROCHESTER**

CLINICAL AND SOCIAL SCIENCES IN PSYCHOLOGY

(Contents continued)

- SYDNEY L. HANS,  
JUDITH G. AUERBACH,  
KEITH H. NUECHTERLEIN,  
ROBERT F. ASARNOW,  
JOAN ASARNOW,  
BENEDICT STYR,  
AND JOSEPH MARCUS
- 1195 Neurodevelopmental factors associated with schizotypal symptoms among adolescents at risk for schizophrenia
- MARK F. LENZENWEGER  
AND JOHN B. WILLETT
- 1211 Does change in temperament predict change in schizoid personality disorder? A methodological framework and illustration from the Longitudinal Study of Personality Disorders
- SANDER THOMAES,  
BRAD J. BUSHMAN,  
BRAM OROBIO DE CASTRO,  
AND HEDY STEGGE
- 1233 What makes narcissists bloom? A framework for research on the etiology and development of narcissism
- WILLIAM M. BUKOWSKI,  
ALEX SCHWARTZMAN,  
JONATHAN SANTO,  
CATHERINE BAGWELL,  
AND RYAN ADAMS
- 1249 Reactivity and distortions in the self: Narcissism, types of aggression, and the functioning of the hypothalamic–pituitary–adrenal axis during early adolescence
- KIM L. GRATZ,  
MATTHEW T. TULL,  
ELIZABETH K. REYNOLDS,  
COURTNEY L. BAGGE,  
ROBERT D. LATZMAN,  
STACEY B. DAUGHTERS,  
AND C. W. LEJUEZ
- 1263 Extending extant models of the pathogenesis of borderline personality disorder to childhood borderline personality symptoms: The roles of affective dysfunction, disinhibition, and self- and emotion-regulation deficits
- PAMELA M. COLE,  
SANDRA J. LLERA, AND  
CAROLINE K. PEMBERTON
- 1293 Emotional instability, poor emotional awareness, and the development of borderline personality
- ELIZABETH A. CARLSON,  
BYRON EGELAND,  
AND L. ALAN SROUFE
- 1311 A prospective investigation of the development of borderline personality symptoms
- MARINA A. BORNOVALOVA,  
BRIAN M. HICKS,  
WILLIAM G. IACONO,  
AND MATT MCGUE
- 1335 Stability, change, and heritability of borderline personality disorder traits from adolescence to adulthood: A longitudinal twin study
- PETER FONAGY AND  
PATRICK LUYTEN
- 1355 A developmental, mentalization-based approach to the understanding and treatment of borderline personality disorder

1383 Volume 21 Reviewers

1385 Volume 21 Cumulative Contents

# DEVELOPMENT AND PSYCHOPATHOLOGY

Volume 21

November 2009

Number 4

## CONTENTS

*Special Issue: Precursors and Diverse Pathways to Personality Disorder  
in Children and Adolescents: Part 2*

### Articles

- RICHARD A. DEPUE    **1031**    Genetic, environmental, and epigenetic factors in the development of personality disturbance
- PETER LAFRENIERE    **1065**    A functionalist perspective on social anxiety and avoidant personality disorder
- ROOS HUTTEMAN,    **1083**    Changing dynamics in problematic personality:  
JAAP J. A. DENISSEN,    A multiwave longitudinal study of the relationship  
JENS B. ASENDORPF, AND    between shyness and aggressiveness from  
MARCEL A. G. VAN AKEN    childhood to early adulthood
- SUSAN D. CALKINS    **1095**    Developmental origins of early antisocial behavior  
AND SUSAN P. KEANE
- PAUL J. FRICK    **1111**    Antisocial behavior from a developmental  
AND ESSI VIDING    psychopathology perspective
- DONALD R. LYNAM,    **1133**    The stability of psychopathy across adolescence  
RICHARD CHARNIGO,  
TERRIE E. MOFFITT,  
ADRIAN RAINE,  
ROLF LOEBER, AND  
MAGDA STOUTHAMER-LOEBER
- KAREN D. RUDOLPH    **1155**    Exploring depressive personality traits in youth:  
AND DANIEL N. KLEIN    Origins, correlates, and developmental consequences
- MISAKI N. NATSUAKI,    **1181**    Examining the developmental history of child  
DANTE CICCHETTI, AND    maltreatment, peer relations, and externalizing  
FRED A. ROGOSCH    problems among adolescents with symptoms of  
paranoid personality disorder

*(Contents continued on inside back cover)*

Cambridge Journals Online

For further information about this journal please  
go to the journal website at:

<https://doi.org/10.1017/S0954579409990000>



**Mixed Sources**  
Product group from well-managed  
forests, controlled sources and  
recycled wood or fiber  
[www.fsc.org](http://www.fsc.org) Cert no. SW-COC-002828  
© 1996 Forest Stewardship Council



**CAMBRIDGE**  
UNIVERSITY PRESS

Published online by Cambridge University Press