Volume 33 Issue 3

ISSN: 0954-5794

DEVELOPMENT AND PSYCHOPATHOLOGY

Dante Cicchetti Editor



DEVELOPMENT AND PSYCHOPATHOLOGY

ISSN 0954-5794

Editor

Dante Cicchetti

Institute of Child Development, University of Minnesota

Associate Editors

Theodore P. Beauchaine, Ohio State University, USA; Patrick Davies, University of Rochester, USA; Stephen Hinshaw, University of California, Berkeley, USA; Suniya Luthar, Arizona State University, USA; David Magnusson, University of Stockholm, Sweden; Ann S. Masten, Institute of Child Development, University of Minnesota, USA; Katie McLaughlin, Harvard University, USA; Michael Rutter, Institute of Psychiatry, London, UK; Ronald Seifer, Brown University, USA; Daniel Shaw, University of Pittsburgh, USA; L. Alan Sroufe, Institute of Child Development, University of Minnesota, USA; Melissa L. Sturge-Apple, Mt. Hope Family Center, University of Rochester, USA; Sheree L. Toth, Mt. Hope Family Center, University of Rochester, USA; Elaine Walker, Emory University, USA

Editorial Board

Lenneke Alink, Leiden University, The Netherlands; Marian Bakersman-Krandenberg, Leiden University, The Netherlands; Carrie E. Bearden, University of California, Los Angeles, USA; Marjorie Beeghly, Children's Hospital, Boston & Wayne State University, USA; Jay Belsky, University of California, Davis, USA; Daniel Berry, Institute of Child Development, University of Minnesota, USA; Jacob Burack, McGill University, Canada; Keith Burt, University of Vermont, USA; Nicole Bush, University of California, San Francisco, USA; Susan Calkins, University of North Carolina, Greensboro, USA; Susan Campbell, University of Pittsburgh, USA; Tyrone Cannon, Yale University, USA; Laurie Chassin, Arizona State University, USA; E. Jane Costello, Duke University Medical Center, USA; Michael DeBellis, Duke University Medical Center, USA; Jean Decety, University of Chicago, USA; Leah D. Doane, Arizona State University; Colin G. DeYoung, University of Minnesota, USA; Jenalee Doom, Denver University, USA; Colleen Doyle, Institute of Child Development, University of Minnesota, USA; Mary Dozier, University of Delaware, USA; Katie Ehrlich, University of Georgia, USA; Inge-Marie Eigsti, University of Connecticut, USA; Nancy Eisenberg, Arizona State University, USA; Peter Fonagy, Menninger Clinic, USA and University College, London, UK; Cynthia Garcia Coll, Carlos Albizu University, Puerto Rico; Elena L. Grigorenko, University of Houston, USA; Elizabeth Handley, M. Hope Family Center, University of Rochester, USA; Benjamin L. Hankin, University of Illinois, Urbana-Champaign, USA; Nicholas Ialongo, Johns Hopkins University, USA; Camelia Hostinar, University of California, Davis, USA; Sara Jaffee, University of Pennsylvania, USA; Mark Johnson, Birkbeck College, London, UK; Canan Karatekin, Institute of Child Development, University of Minnesota, USA; Jungmeen Kim-Spoon, Virginia Tech, USA; Julia Kim-Cohen, University of Illinois, Chicago, USA; Bonnie Klimes-Dougan, University of Minnesota, USA; Jennifer Lansford, Duke University, USA; Mark Lenzenweger, SUNY Binghamton, USA; Leslie Leve, University of Oregon, USA; Alicia Lieberman, San Francisco General Hospital, USA; Sonia Lupien, McGill University, Canada; Michael Lynch, SUNY Geneseo, USA; Jenny Macfie, University of Tennessee, USA; Jody Todd Manly, Mt. Hope Family Center, University of Rochester, USA; Peter J. Marshall, Temple University, USA; Erin B. McClure-Tone, Georgia State University, USA; Ellen Moss, Université du Québec à Montréal, Canada; Eun Young Mun, University of North Texas, USA; Dianna Murray-Close, University of Vermont, USA; Angela Narayan, Denver University, USA; Misaki N. Natsuaki, University of California, Riverside, USA; Joel Nigg, Oregon Health and Science University, USA; Jennie G. Noll, Pennsylvania State University, USA; Thomas G. O'Connor, University of Rochester, USA; Assaf Oshri, University of Georgia, USA; Nicole Perry, University of Texas, Austin, USA; Daniel Pine, National Institute of Mental Health, USA; Robert Plomin, Institute of Psychiatry, London, UK; Seth Pollak, University of Wisconsin, Madison, UK; Michael Posner, University of Oregon, USA; Robert M. Post, Bipolar Collaborative Network, USA; Sally J. Rogers, University of California, Davis, USA; Glenn Roisman, Institute of Child Development, University of Minnesota, USA; Isabelle M. Rosso, Harvard University, USA; Tania Roth, University of Delaware, USA; Mary K. Rothbart, University of Oregon, USA; Karen Rudolph, University of Illinois at Urbana-Champaign, USA; Richard Ryan, University of Rochester, USA & Australian Catholic University, Australia; Jessica E. Salvatore, Virginia Commonwealth University, USA; M. Mar Sanchez, Emory University, USA; John Schulenberg, University of Michigan, USA; Margaret Sheridan, University of North Carolina, Chapel Hill, USA; Elizabeth A. Shirtcliff, Iowa State University, USA; Margaret Beale Spencer, University of Chicago, USA; Lisa Starr, University of Rochester, USA; Eric Thibodeau, University of Minnesota, USA; Katheen M. Thomas, Institute of Child Development, University of Minnesota, USA; Don Tucker, University of Oregon, USA; Audrey R. Tyrka, Brown University, USA; Kristin Valentino, University of Notre Dame, USA; Brian Vaughn, Auburn University, USA; Helena Verdeli, Teachers College, Columbia University, USA; Irwin Waldman, Emory University, USA; Theodore E. A. Waters, New York University, Abu Dhabi; Sylia Wilson, Institute of Child Development, University of Minnesota, USA; Philip D. Zelazo, Institute of Child Development, University of Minnesota, USA; Robert Zucker, University of Michigan, USA

Editorial Board Members in Memoriam: Dennis P. Cantwell, Donald J. Cohen, Nicki R. Crick, Doug Derryberry, Thomas J. Dishion,

Norman Garmezy, Xiaojia Ge, Robert Harmon, Stuart Hauser, Marian Radke-Yarrow, Lee Robins, Fred A. Rogosch, James Snyder

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: Institute of Child Development, University of Minnesota, 51 East River Parkway, Minneapolis, MN 55455. Telephone: 612-625-5213. E-mail: devpsychopathol@umn.edu

Assistant to Editor: Karlyn Wegmann, University of Minnesota

Publishing, Production, and Advertising Office: Cambridge University Press, One Liberty Plaza, New York, NY 10006.

Subscription Offices: (for USA, Canada, and Mexico) Cambridge University Press, One Liberty Plaza, New York, NY 10006; (for UK and elsewhere) Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK.

2021 Subscription Information: Development and Psychopathology (ISSN 0954-5794) is published five times per year by Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA/Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK. Annual subscription rates: Institutions print and electronic: US \$1185 in the USA, Canada, and Mexico; UK £655 + VAT elsewhere. Institutions electronic only: US \$877 in the USA, Canada, and Mexico; UK £487 + VAT elsewhere. Individuals print and electronic: US \$295 in the USA, Canada, and Mexico; UK £159 + VAT elsewhere. Individuals electronic only: US \$234 in the USA, Canada, and Mexico; UK £130 + VAT elsewhere. Single Part: US \$273.00 in the USA, Canada, and Mexico; UK £151.00 + 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 2021. 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 (0954-5794/18) 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, One Liberty Plaza, New York, NY 10006.

Printed in the United States of America. https://doi.org/10.1017/S0954579421001024 Published online by Cambridge University Press

DEVELOPMENT AND PSYCHOPATHOLOGY

Volume 33

August 2021

Number 3

CONTENTS

Regular Articles

Johan Lundin Kleberg, Matilda A. Frick and Karin C. Brocki	767	Increased pupil dilation to happy faces in children with hyperactive/impulsive symptoms of ADHD
Sonya Negriff	778	Childhood adversities and mental health outcomes: Does the perception or age of the event matter?
Joseph P. Allen, Emily L. Loeb, Rachel K. Narr and Meghan A. Costello	792	Different factors predict adolescent substance use versus adult substance abuse: Lessons from a social-developmental approach
Steven R. H. Beach, Mei Ling Ong, Man-Kit Lei, Eric Klopack, Sierra E. Carter, Ronald L. Simons, Frederick X. Gibbons, Justin A. Lavner, Robert A. Philibert and Kaixiong Ye	803	Childhood adversity is linked to adult health among African Americans via adolescent weight gain and effects are genetically moderated
Alexandra R. Tabachnick, Christina Moore, K. Lee Raby, Alison Goldstein, Lindsay Zajac and Mary Dozier	821	Respiratory sinus arrhythmia as a moderator of early maltreatment effects on later externalizing problems
Jacqueline Bruce, Katherine C. Pears, Jennifer Martin McDermott, Nathan A. Fox and Philip A. Fisher	832	Effects of a school readiness intervention on electrophysiological indices of external response monitoring in children in foster care
Katri Maasalo, Jallu Lindblom, Olli Kiviruusu, Päivi Santalahti and Eeva T. Aronen	843	Longitudinal associations between inhibitory control and externalizing and internalizing symptoms in school-aged children

Melanie J. Zimmer-Gembeck, Haley J. Webb, Jessica Kerin, Allison M. Waters and Lara J. Farrell	856	Risk factors and temporal patterns of disordered eating differ in adolescent boys and girls: Testing gender-specific appearance anxiety models
Kristin Valentino, Leah C Hibel, Ruth Speidel, Kaitlin Fondren and Elisa Ugarte	868	Longitudinal effects of maltreatment, intimate partner violence, and Reminiscing and Emotion Training on children's diurnal cortisol regulation
Ann Marie Brady, Jessica Deighton and Stephen Stansfeld	885	Chronic illness in childhood and early adolescence: A longitudinal exploration of co-occurring mental illness
TAYYIB T. A. HAYAT AND MUSA B. SAMI	899	Early magnetic resonance imaging biomarkers of schizophrenia spectrum disorders: Toward a fetal imaging perspective
Bin-Bin Chen, Yang Qu and Xiaochen Chen	914	Chinese parents' comparisons of siblings and adolescents' internalizing and externalizing problems
Amy L. Paine, Oliver Perra, Rebecca Anthony and Katherine H. Shelton	922	Charting the trajectories of adopted children's emotional and behavioral problems: The impact of early adversity and postadoptive parental warmth
Oliver Perra, Amy L. Paine and Dale F. Hay	937	Continuity and change in anger and aggressiveness from infancy to childhood: The protective effects of positive parenting
Teresa Lind, K. Lee Raby, Alison Goldstein, Kristin Bernard, EB Caron, Heather A. Yarger, Allison Wallin and Mary Dozier	957	Improving social–emotional competence in internationally adopted children with the Attachment and Biobehavioral Catch-up intervention
YI-TING CHANG, JUI-YING FENG, Hsin-Yi Chang, Yu-Chun Chang and Chia-Kuei Lee	970	The impacts of maternal childhood adversity, stress, and mental health on child development at 6 months in Taiwan: A follow-up study

RUTH PAULI, PETER TINO, JACK C. ROGERS, 980 ROSALIND BAKER, ROBERTA CLANTON, PHILIPPA BIRCH, ABIGAIL BROWN, GEMMA DANIEL, LISANDRA FERREIRA, LIAM GRISLEY, GREGOR KOHLS, SARAH BAUMANN, ANKA BERNHARD, ANNE MARTINELLI, KATHARINA ACKERMANN, HELEN LAZARATOU, FOTEINI TSIAKOULIA, PANAGIOTA BALI, HELENA OLDENHOF, LUCRES JANSEN, ARETI SMARAGDI, KAREN GONZALEZ-MADRUGA, MIGUEL ANGEL GONZALEZ-TORRES, MAIDER GONZALEZ DE ARTAZA-LAVESA, MARTIN STEPPAN, NOORTJE VRIENDS, AITANA BIGORRA, REKA SIKLOSI, SREEJITA GHOSH, KERSTIN BUNTE, ROBERTA DOCHNAL, AMAIA HERVAS, CHRISTINA STADLER, ARANZAZU FERNANDEZ-RIVAS, GRAEME FAIRCHILD, ARNE POPMA, DIMITRIS DIKEOS, KERSTIN KONRAD, BEATE HERPERTZ-DAHLMANN, CHRISTINE M. FREITAG, PIA ROTSHTEIN AND STEPHANE A. DE BRITO

Christine Firk, Brigitte Dahmen, Astrid Dempfle, Anke Niessen, Christin Baumann, Reinhild Schwarte, Julia Koslowski, Kerstin Kelberlau, Kerstin Konrad and Beate Herpertz-Dahlmann

Bruno Gepner, Anaïs Godde, Aurore Charrier, Nicolas Carvalho and Carole Tardif

> Ran Liu, Susan D. Calkins and Martha Ann Bell

LAURA PERRONE, STEVEN D. IMRISEK, 10 Allison Dash, Melanie Rodriguez, Erasma Monticciolo and Kristin Bernard

> Satomi Doi, Takeo Fujiwara 104 and Aya Isumi

Positive and negative parenting in conduct disorder with high versus low levels of callous– unemotional traits

- **992** A mother-child intervention program for adolescent mothers: Results from a randomized controlled trial (the TeeMo study)
- **1006** Reducing facial dynamics' speed during speech enhances attention to mouth in children with autism spectrum disorder: An eye-tracking study

1016 Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during childhood

1026 Changing parental depression and sensitivity: Randomized clinical trial of ABC's effectiveness in the community

1041 Association between maternal adverse childhood experiences and mental health problems in offspring: An intergenerational study

Kristin J. Perry, Samuel N. Meisel, Miriam T. Stotsky and Jamie M. Ostrov	1059	Parsing apart affective dimensions of withdrawal: Longitudinal relations with peer victimization
Carolyn M. Scholtes, Emma R. Lyons and Elizabeth A. Skowron	1072	Dyadic synchrony and repair processes are related to preschool children's risk exposure and self- control
Kyle Deane, Maryse Richards and Catherine DeCarlo Santiago	1085	Violence exposure, posttraumatic stress, and affect variability among African American Youth: A time sampling approach
Seung Bin Cho, Rebecca L. Smith, Kathleen Bucholz, Grace Chan, Howard J. Edenberg, Victor Hesselbrock, John Kramer, Vivia V. McCutcheon, John Nurnberger, Marc Schuckit, Yong Zang, Danielle M. Dick and Jessica E. Salvatore	1097	Using a developmental perspective to examine the moderating effects of marriage on heavy episodic drinking in a young adult sample enriched for risk
Steven J. Holochwost, Guan Wang, Jacek Kolacz, W. Roger Mills-Koonce, J. Bart Klika and Sara R. Jaffee	1107	The neurophysiological embedding of child maltreatment
		Erratum
Alessandro Decarli, Blaise Pierrehumbert, André Schulz, Violetta Katharina Schaan and Claus Vögele	1138	Disorganized attachment in adolescence: Emotional and physiological dysregulation during the Friends and Family Interview and a conflict interaction – Erratum
		Corrigendum
Ashley L. Watts, Phillip K. Wood, Kristina M. Jackson, Krista M. Lisdahl, Mary M. Heitzeg, Raul Gonzalez, Susan F. Tapert, Deanna M. Barch and Kenneth J. Sher	1139	Incipient Alcohol Use in Childhood: Early Alcohol Sipping and its Relations with Psychopathology and Personality – Corrigendum
Liliana J. Lengua, Stephanie F. Thompson, Lyndsey R. Moran, Maureen Zalewski, Erika J. Ruberry, Melanie R. Klein and Cara J. Kiff	1140	Pathways from early adversity to later adjustment: Tests of the additive and bidirectional effects of executive control and diurnal cortisol in early childhood – Corrigendum