

November 21, 2013

CURRICULUM VITAE

University of Pittsburgh
School of Medicine

BIOGRAPHICAL INFORMATION

Name: Boris Birmaher, M.D.
E- mail: birmaherb@upmc.edu
Business Phone: (412) 246-5788
Fax Number: (412) 246-5230
Business Address: Western Psychiatric
Institute and Clinic
3811 O'Hara Street
Pittsburgh, PA 15213

EDUCATION AND TRAINING

GRADUATE:

September 1969 – Valle College of Medicine, Cali, M.D., 1975
December 1975 Colombia Medicine and Surgery

POST GRADUATE:

January 1976 – Valle College of Medicine, Cali, Transitional Internship
January 1977 Colombia

November 1978 – Haddassah Medical College and the Resident in General Psychiatry
June 1983 Hebrew University, Jerusalem, Israel Atara Kaplan, M.D.
Haim Melamker, M.D.
Bernard Lerer, M.D.
Leon Grunhaus, M.D.

June 1983 – Albert Einstein College of Medicine, New Clinical Fellow in Biological Psychiatry
August 1984 York, NY Herman Van Praag, M.D.
Lou Opler, M.D., Ph.D.
Elliot Gardner, Ph.D.

August 1984 – Columbia Presbyterian Medical Center Child Psychiatry Fellowship
August 1986 and New York Psychiatric Institute, New David Shaffer, M.D.
York, NY Clarice Kestenbaum, M.D.
Lawrence Greenhill, M.D.

August 1986 – Columbia Presbyterian Medical Center Research Fellowship
July 1988 and New York Psychiatric Institute, New Lawrence Greenhill, M.D.
York, NY Michael Stanley, Ph.D.

APPOINTMENTS AND POSITIONS

ACADEMIC POSITIONS:

June 1981 – June 1983	Haddassah College of Medicine and Hebrew University, Jerusalem, Israel	Clinical Instructor
March 1988	Columbia University, New York, NY	Assistant Clinical Professor in Psychiatry
July 1988 – August 1992	University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, PA	Assistant Professor of Child Psychiatry
October 1992 – November 2001	University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, PA	Associate Professor of Child Psychiatry
December 2001 – Present	University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, PA	Professor of Psychiatry
December 2007 – Present	University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, PA	Endowed Chair in Early Onset Bipolar Disease
January 2011 – Present	University of Tel Aviv, Israel	Visiting Professor

NON-ACADEMIC POSITIONS:

2/77-4/78	San Juan de Dios Hospital Antioquia, Colombia	Rural Family Physician
6/85-8/87	North Central Bronx Hospital New York, NY	Part-Time Attending Psychiatric Emergency Room
6/86-6/87	Blythdale Children's Hospital Valhalla, NY	Part-Time Attending
6/87-7/88	New York Psychiatric Institute New York, NY	Medical Director, Children's Unit
6/87-7/88	Manhattan Children's Psychiatric Center New York, NY	Child Psychiatrist Consultant
6/87-7/88	Columbia Presbyterian Hospital New York, NY	Child Psychiatrist Consultant for Therapeutic Nursing
6/87-7/88	Family Center Yonkers, NY	Child Psychiatrist Consultant
7/88-6/91	Western Psychiatric Institute and Clinic Pittsburgh, PA	Medical Director, Children's Affective Treatment Service
10/88-10/90	Mayview State Hospital Bridgeville, PA	Medical Director Adolescent Affective Unit
10/90-6/91	Western Psychiatric Institute and Clinic	Medical Director Adolescent Affective

	Pittsburgh, PA	Treatment Service
03/93 – 12/97	Western Psychiatric Institute and Clinic Pittsburgh, PA	Director, Child and Adolescent Mood and Behavior Disorders Clinic
03/93 – 12/97	Western Psychiatric Institute and Clinic Pittsburgh, PA	Medical Director Services for Teens at Risk (STAR) Family Therapy Clinic (FTC) Family Support Services (FSS)
01/98 - 2010	Western Psychiatric Institute and Clinic Pittsburgh, PA	Director, Child and Adolescent Mood/Anxiety Program
1999-2000	Western Psychiatric Institute and Clinic Pittsburgh, PA	Attending Psychiatrist WPIC's South Hills Satellite
1998 - 2013	Western Psychiatric Institute and Clinic Pittsburgh, PA	Co-Director, Child and Adolescent Bipolar Disorders Services (CABS)
2013-Present	Western Psychiatric Institute and Clinic Pittsburgh, PA	Director, Child and Adolescent Bipolar Disorders Services (CABS)

CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION:

June 1983	Board Certified in General Psychiatry, No. 007682, Israel
November 1989	Board Certification, American Board of Psychiatry and Neurology, No. 31721
September 1990	Board Certified, Child and Adolescent Psychiatry, No. 2517

MEDICAL OR OTHER PROFESSIONAL LICENSURE:

January 1976	Medical Physician and Surgeon, Valle College Medical School, Cali, Colombia
August 1982	ECFMG Diploma, Certificate - No. 2779072
November 1982	Visa Qualification Examination (VQE), Certificate No. 2779072
December 1984	Board Certificate in Medicine, (Flex Examination) No. 54609
February 1987	Medical Physician and Surgeon, Commonwealth of Pennsylvania, License No. MD 037786E
October 1987	New York Medical License No. 172781-1
January 1988	New Jersey Medical License No. 51048
June 1988	Pennsylvania Medical License No. 037786-E

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Colombia Medical Association	1976-1983
Israel Medical Association	1980-1984
Israel Psychiatric Association	1980-1984
American Psychiatric Association	1984-Present
American Medical Association	1984-Present
American Academy of Child and Adolescent Psychiatry	1985-Present
Hispanic Mental Health Association	1986-Present
Allegheny County Medical Society	1991-Present
Society for Research in Child and Adolescent Psychopathology	1991-Present
American Society of Clinical Psychopharmacology	1993-Present
American Society of Child Development	1998-Present
American Association for the Advancement of Science	2000-Present
International Society of PsychoNeuroEndocrinology (ISPNE)	2001-Present
Society of Biological Psychiatry	2004-Present
The Royal Society of Medicine	2008-Present

HONORS

Faculty Award for Psychiatry Research Haddassah Medical School and the Hebrew University, Jerusalem, Israel	1983
Edward J. Sachar Award for clinical excellence in Child Psychiatry, New York Psychiatric Institute and the Presbyterian Hospital, New York	1986
Viola Bernard Research Award, New York State Psychiatric Institute	1986
Viola Bernard Research Award, New York State Psychiatric Institute	1987
Golden Apple Teaching Award for the Child and Adolescent Faculty, Western Psychiatric Institute and Clinic, Pittsburgh, PA	1995
Editorial Board Member, Journal of the American Academy of Child and Adolescent Psychiatry	1995
Golden Apple Teaching Award for the Child and Adolescent Faculty, Western Psychiatric Institute and Clinic, Pittsburgh, PA	1997

Appreciation as principal author for scholarship in creation of Practice Parameters for the Assessment and Treatment of Children and Adolescents with Depressive Disorders, October 1998 45 th Annual Meeting, Journal of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA	1998
The Best Doctors in America (Woodward/White, Inc.)	1999
“Health Care Hero” Awarded by the <u>Pittsburgh Business Times</u>	2000
Nominated for Vectors/Pittsburgh Men and Women of the Year Award	2000
Lifetime Member of National Registry of “Who’s Who in America” (188135)	2000
Recipient of the University of Pittsburgh, School of Medicine \$1,000,000 Endowment in Early Onset Bipolar Disease	2001
Ellen Frank Psychiatric Research Award – Mental Health Association Of Allegheny County	2004
Distinguished Fellow – American Psychiatric Association	2006
Academie National de Medecine International Award for Study of Pediatric Bipolar Disorder in France	2006
Annual Mentorship Award – Department of Psychiatry/Western Psychiatric Institute and Clinic	2006

PUBLICATIONS

REFEREED ARTICLES:

1. Belmaker RH, Lerer B, Bannet J, **Birmaher B**. The effect of electroconvulsive shock at a clinically equivalent schedule on rat cortical beta-adrenoceptors. *J Pharm Pharmacol*. 1982;34(4):275.
2. **Birmaher B**, Lerer B, Belmaker RH. Lithium does not prevent ECS-induced decreases in beta-adrenergic receptors. *Psychopharmacology (Berl)*. 1982;78(2):190-1.
3. Newman M, Klein E, **Birmaher B**, Feinsod M, Belmaker RH. Lithium at therapeutic concentrations inhibits human brain noradrenaline-sensitive cyclic AMP accumulation. *Brain Res*. 1983;278(1-2):380-1.
4. Grunhaus L, **Birmaher B**. The clinical spectrum of panic attacks. *J Clin Psychopharmacol*. 1985;5(2):93-9.
5. Zohar J, **Birmaher B**, Schoenfeld H, Belmaker RH. Salivary and blood levels of neuroleptics during outpatient maintenance treatment. *Isr J Psychiatry Relat Sci*. 1986;23(2):123-8.
6. Correa N, Opler LA, Kay SR, **Birmaher B**. Amantadine in the treatment of neuroendocrine side effects of neuroleptics. *J Clin Psychopharmacol*. 1987;7(2):91-5.
7. **Birmaher B**, Quintana H, Greenhill LL. Methylphenidate treatment of hyperactive autistic children. *J Am Acad Child Adolesc Psychiatry*. 1988;27(2):248-51.
8. Pleak RR, **Birmaher B**, Gavrilesco A, Abichandani C, Williams DT. Mania and neuropsychiatric excitation following carbamazepine. *J Am Acad Child Adolesc Psychiatry*. 1988;27(4):500-3.
9. **Birmaher B**, Greenhill LL, Cooper TB, Fried J, Maminski B. Sustained release methylphenidate: pharmacokinetic studies in ADHD males. *J Am Acad Child Adolesc Psychiatry*. 1989;28(5):768-72.

10. Mascia A, Frank S, Berkman A, Stern L, Lampl L, Davies M, Yeager T, **Birmaher B**, Chieco E. Mortality versus improvement in severe chronic asthma: physiologic and psychologic factors. *Ann Allergy*. 1989;62(4):311-7.
11. **Birmaher B**, Stanley M, Greenhill L, Twomey J, Gavrilescu A, Rabinovich H. Platelet imipramine binding in children and adolescents with impulsive behavior. *J Am Acad Child Adolesc Psychiatry*. 1990;29(6):914-8.
12. Dahl RE, Ryan ND, **Birmaher B**, al-Shabbout M, Williamson DE, Neidig M, Nelson B, Puig-Antich J. Electroencephalographic sleep measures in prepubertal depression. *Psychiatry Res*. 1991;38(2):201-14.
13. **Birmaher B**, Baker R, Kapur S, Quintana H, Ganguli R. Clozapine for the treatment of adolescents with schizophrenia. *J Am Acad Child Adolesc Psychiatry*. 1992;31(1):160-4.
14. **Birmaher B**, Dahl RE, Ryan ND, Rabinovich H, Ambrosini P, al-Shabbout M, Novacenko H, Nelson B, Puig-Antich J. The dexamethasone suppression test in adolescent outpatients with major depressive disorder. *Am J Psychiatry*. 1992;149(8):1040-5.
15. **Birmaher B**, Ryan ND, Dahl R, Rabinovich H, Ambrosini P, Williamson DE, Novacenko H, Nelson B, Lo ES, Puig-Antich J. Dexamethasone suppression test in children with major depressive disorder. *J Am Acad Child Adolesc Psychiatry*. 1992;31(2):291-7.
16. Dahl RE, Kaufman J, Ryan ND, Perel J, al-Shabbout M, **Birmaher B**, Nelson B, Puig-Antich J. The dexamethasone suppression test in children and adolescents: a review and a controlled study. *Biol Psychiatry*. 1992;32(2):109-26.
17. Dahl RE, Siegel SF, Williamson DE, Lee PA, Perel J, **Birmaher B**, Ryan ND. Corticotropin releasing hormone stimulation test and nocturnal cortisol levels in normal children. *Pediatr Res*. 1992;32(1):64-8.
18. Jain U, **Birmaher B**, Garcia M, Al-Shabbout M, Ryan N. Fluoxetine in children and adolescents with mood disorders: a chart review of efficacy and adverse effects. *J Child Adolesc Psychopharmacol*. 1992;2(4):259-65.
19. Ryan ND, **Birmaher B**, Perel JM, Dahl RE, Meyer V, al-Shabbout M, Iyengar S, Puig-Antich J. Neuroendocrine response to L-5-hydroxytryptophan challenge in prepubertal major depression. *Depressed vs normal children*. *Arch Gen Psychiatry*. 1992;49(11):843-51.
20. Ryan ND, Iyengar S, Perel JM, Kaufman J, Dahl RE, **Birmaher B**. Psychobiological methodology. *J Am Acad Child Adolesc Psychiatry*. 1992;31(4):752-5.
21. Waterman GS, Ryan ND, Perel JM, Dahl RE, **Birmaher B**, Williamson DE, Thomas CR, Puig-Antich J. Nocturnal urinary excretion of 6-hydroxymelatonin sulfate in prepubertal major depressive disorder. *Biol Psychiatry*. 1992;31(6):582-90.
22. **Birmaher B**, Rabin BS, Garcia MR, Jain U, Whiteside TL, Williamson DE, al-Shabbout M, Nelson BC, Dahl RE, Ryan ND. Cellular immunity in depressed, conduct disorder, and normal adolescents: role of adverse life events. *J Am Acad Child Adolesc Psychiatry*. 1994;33(5):671-8.
23. **Birmaher B**, Waterman GS, Ryan N, Cully M, Balach L, Ingram J, Brodsky M. Fluoxetine for childhood anxiety disorders. *J Am Acad Child Adolesc Psychiatry*. 1994;33(7):993-9.
24. Dahl RE, Ryan ND, Perel J, **Birmaher B**, al-Shabbout M, Nelson B, Puig-Antich J. Cholinergic REM induction test with arecoline in depressed children. *Psychiatry Res*. 1994;51(3):269-82.
25. Ryan ND, Dahl RE, **Birmaher B**, Williamson DE, Iyengar S, Nelson B, Puig-Antich J, Perel JM. Stimulatory tests of growth hormone secretion in prepubertal major depression: depressed versus normal children. *J Am Acad Child Adolesc Psychiatry*. 1994;33(6):824-33.
26. Waterman GS, Dahl RE, **Birmaher B**, Ambrosini P, Rabinovich H, Williamson D, Novacenko H, Nelson B, Puig-Antich J, Ryan ND. The 24-hour pattern of prolactin secretion in depressed and normal adolescents. *Biol Psychiatry*. 1994;35(1):100-6.

- Psychiatry. 1994;35(7):440-5.
27. Quintana H, **Birmaher B**, Stedje D, Lennon S, Freed J, Bridge J, Greenhill L. Use of methylphenidate in the treatment of children with autistic disorder. *J Autism Dev Disord*. 1995;25(3):283-94.
 28. Rao U, Ryan ND, **Birmaher B**, Dahl RE, Williamson DE, Kaufman J, Rao R, Nelson B. Unipolar depression in adolescents: clinical outcome in adulthood. *J Am Acad Child Adolesc Psychiatry*. 1995;34(5):566-78.
 29. Williamson DE, **Birmaher B**, Anderson BP, al-Shabbout M, Ryan ND. Stressful life events in depressed adolescents: the role of dependent events during the depressive episode. *J Am Acad Child Adolesc Psychiatry*. 1995;34(5):591-8.
 30. Williamson DE, Dahl RE, **Birmaher B**, Goetz RR, Nelson B, Ryan ND. Stressful life events and EEG sleep in depressed and normal control adolescents. *Biol Psychiatry*. 1995;37(12):859-65.
 31. Williamson DE, Ryan ND, **Birmaher B**, Dahl RE, Kaufman J, Rao U, Puig-Antich J. A case-control family history study of depression in adolescents. *J Am Acad Child Adolesc Psychiatry*. 1995;34(12):1596-607.
 32. **Birmaher B**, Dahl RE, Perel J, Williamson DE, Nelson B, Stull S, Kaufman J, Waterman GS, Rao U, Nguyen N, Puig-Antich J, Ryan ND. Corticotropin-releasing hormone challenge in prepubertal major depression. *Biol Psychiatry*. 1996;39(4):267-77.
 33. **Birmaher B**, Ryan ND, Williamson DE, Brent DA, Kaufman J. Childhood and adolescent depression: a review of the past 10 years. Part II. *J Am Acad Child Adolesc Psychiatry*. 1996;35(12):1575-83.
 34. **Birmaher B**, Ryan ND, Williamson DE, Brent DA, Kaufman J, Dahl RE, Perel J, Nelson B. Childhood and adolescent depression: a review of the past 10 years. Part I. *J Am Acad Child Adolesc Psychiatry*. 1996;35(11):1427-39.
 35. Dahl RE, Ryan ND, Matty MK, **Birmaher B**, al-Shabbout M, Williamson DE, Kupfer DJ. Sleep onset abnormalities in depressed adolescents. *Biol Psychiatry*. 1996;39(6):400-10.
 36. De Bellis MD, Dahl RE, Perel JM, **Birmaher B**, al-Shabbout M, Williamson DE, Nelson B, Ryan ND. Nocturnal ACTH, cortisol, growth hormone, and prolactin secretion in prepubertal depression. *J Am Acad Child Adolesc Psychiatry*. 1996;35(9):1130-8.
 37. Kye CH, Waterman GS, Ryan ND, **Birmaher B**, Williamson DE, Iyengar S, Dachille S. A randomized, controlled trial of amitriptyline in the acute treatment of adolescent major depression. *J Am Acad Child Adolesc Psychiatry*. 1996;35(9):1139-44.
 38. Rao U, Dahl RE, Ryan ND, **Birmaher B**, Williamson DE, Giles DE, Rao R, Kaufman J, Nelson B. The relationship between longitudinal clinical course and sleep and cortisol changes in adolescent depression. *Biol Psychiatry*. 1996;40(6):474-84.
 39. Wilens TE, Biederman J, Baldessarini RJ, Geller B, Schleifer D, Spencer TJ, **Birmaher B**, Goldblatt A. Cardiovascular effects of therapeutic doses of tricyclic antidepressants in children and adolescents. *J Am Acad Child Adolesc Psychiatry*. 1996;35(11):1491-501.
 40. Williamson DE, **Birmaher B**, Dahl RE, al-Shabbout M, Ryan ND. Stressful life events influence nocturnal growth hormone secretion in depressed children. *Biol Psychiatry*. 1996;40(11):1176-80.
 41. **Birmaher B**, Kaufman J, Brent DA, Dahl RE, Perel JM, al-Shabbout M, Nelson B, Stull S, Rao U, Waterman GS, Williamson DE, Ryan ND. Neuroendocrine response to 5-hydroxy-L-tryptophan in prepubertal children at high risk of major depressive disorder. *Arch Gen Psychiatry*. 1997;54(12):1113-9.
 42. **Birmaher B**, Khetarpal S, Brent D, Cully M, Balach L, Kaufman J, Neer SM. The Screen for Child Anxiety Related Emotional Disorders (SCARED): scale construction and psychometric characteristics. *J Am Acad Child Adolesc Psychiatry*. 1997;36(4):545-53.

43. Brent DA, Holder D, Kolko D, **Birmaher B**, Baugher M, Roth C, Iyengar S, Johnson BA. A clinical psychotherapy trial for adolescent depression comparing cognitive, family, and supportive therapy. *Arch Gen Psychiatry*. 1997;54(9):877-85.
44. De Bellis MD, Baum AS, **Birmaher B**, Ryan ND. Urinary catecholamine excretion in childhood overanxious and posttraumatic stress disorders. *Ann N Y Acad Sci*. 1997;821:451-5.
45. Dorn LD, Dahl RE, **Birmaher B**, Williamson DE, Kaufman J, Frisch L, Perel JM, Ryan ND. Baseline thyroid hormones in depressed and non-depressed pre- and early-pubertal boys and girls. *J Psychiatr Res*. 1997;31(5):555-67.
46. Kaufman J, **Birmaher B**, Brent D, Rao U, Flynn C, Moreci P, Williamson D, Ryan N. Schedule for Affective Disorders and Schizophrenia for School-Age Children-Present and Lifetime Version (K-SADS-PL): initial reliability and validity data. *J Am Acad Child Adolesc Psychiatry*. 1997;36(7):980-8.
47. Kaufman J, **Birmaher B**, Clayton S, Retano A, Wongchaowart B. Case study: trauma-related hallucinations. *J Am Acad Child Adolesc Psychiatry*. 1997;36(11):1602-5.
48. Kaufman J, **Birmaher B**, Perel J, Dahl RE, Moreci P, Nelson B, Wells W, Ryan ND. The corticotropin-releasing hormone challenge in depressed abused, depressed nonabused, and normal control children. *Biol Psychiatry*. 1997;42(8):669-79.
49. Rosenberg DR, Averbach DH, O'Hearn KM, Seymour AB, **Birmaher B**, Sweeney JA. Oculomotor response inhibition abnormalities in pediatric obsessive-compulsive disorder. *Arch Gen Psychiatry*. 1997;54(9):831-8.
50. Rosenberg DR, Keshavan MS, Dick EL, Bagwell WW, MacMaster FP, **Birmaher B**. Corpus callosal morphology in treatment-naive pediatric obsessive compulsive disorder. *Prog Neuropsychopharmacol Biol Psychiatry*. 1997;21(8):1269-83.
51. Rosenberg DR, Keshavan MS, O'Hearn KM, Dick EL, Bagwell WW, Seymour AB, Montrose DM, Pierri JN, **Birmaher B**. Frontostriatal measurement in treatment-naive children with obsessive-compulsive disorder. *Arch Gen Psychiatry*. 1997;54(9):824-30.
52. **Birmaher B**. Should we use antidepressant medications for children and adolescents with depressive disorders? *Psychopharmacol Bull*. 1998;34(1):35-9.
53. **Birmaher B**, Brent DA, Benson RS. Summary of the practice parameters for the assessment and treatment of children and adolescents with depressive disorders. *American Academy of Child and Adolescent Psychiatry*. *J Am Acad Child Adolesc Psychiatry*. 1998;37(11):1234-8.
54. **Birmaher B**, Waterman GS, Ryan ND, Perel J, McNabb J, Balach L, Beaudry MB, Nasr FN, Karambelkar J, Elterich G, Quintana H, Williamson DE, Rao U. Randomized, controlled trial of amitriptyline versus placebo for adolescents with "treatment-resistant" major depression. *J Am Acad Child Adolesc Psychiatry*. 1998;37(5):527-35.
55. **Birmaher B**, Yelovich AK, Renaud J. Pharmacologic treatment for children and adolescents with anxiety disorders. *Pediatr Clin North Am*. 1998;45(5):1187-204.
56. Brent DA, Kolko DJ, **Birmaher B**, Baugher M, Bridge J, Roth C, Holder D. Predictors of treatment efficacy in a clinical trial of three psychosocial treatments for adolescent depression. *J Am Acad Child Adolesc Psychiatry*. 1998;37(9):906-14.
57. Figueroa Y, Rosenberg DR, **Birmaher B**, Keshavan MS. Combination treatment with clomipramine and selective serotonin reuptake inhibitors for obsessive-compulsive disorder in children and adolescents. *J Child Adolesc Psychopharmacol*. 1998;8(1):61-7.
58. Go FS, Malley EE, **Birmaher B**, Rosenberg DR. Manic behaviors associated with fluoxetine in three 12- to 18-year-olds with obsessive-compulsive disorder. *J Child Adolesc Psychopharmacol*. 1998;8(1):73-80.

59. Greenhill LL, Pine D, March J, **Birmaher B**, Riddle M. Assessment issues in treatment research of pediatric anxiety disorders: what is working, what is not working, what is missing, and what needs improvement. *Psychopharmacol Bull.* 1998;34(2):155-64.
60. Kaufman J, **Birmaher B**, Brent D, Dahl R, Bridge J, Ryan ND. Psychopathology in the relatives of depressed-abused children. *Child Abuse Negl.* 1998;22(3):171-81.
61. Kaufman J, **Birmaher B**, Perel J, Dahl RE, Stull S, Brent D, Trubnick L, al-Shabbout M, Ryan ND. Serotonergic functioning in depressed abused children: clinical and familial correlates. *Biol Psychiatry.* 1998;44(10):973-81.
62. Renaud J, Brent DA, Baugher M, **Birmaher B**, Kolko DJ, Bridge J. Rapid response to psychosocial treatment for adolescent depression: a two-year follow-up. *J Am Acad Child Adolesc Psychiatry.* 1998;37(11):1184-90.
63. Servan-Schreiber D, Le Lin B, **Birmaher B**. Prevalence of posttraumatic stress disorder and major depressive disorder in Tibetan refugee children. *J Am Acad Child Adolesc Psychiatry.* 1998;37(8):874-9.
64. Williamson DE, **Birmaher B**, Frank E, Anderson BP, Matty MK, Kupfer DJ. Nature of life events and difficulties in depressed adolescents. *J Am Acad Child Adolesc Psychiatry.* 1998;37(10):1049-57.
65. Beers SR, Rosenberg DR, Dick EL, Williams T, O'Hearn KM, **Birmaher B**, Ryan CM. Neuropsychological study of frontal lobe function in psychotropic-naive children with obsessive-compulsive disorder. *Am J Psychiatry.* 1999;156(5):777-9.
66. **Birmaher B**, Brent DA, Chiappetta L, Bridge J, Monga S, Baugher M. Psychometric properties of the Screen for Child Anxiety Related Emotional Disorders (SCARED): a replication study. *J Am Acad Child Adolesc Psychiatry.* 1999;38(10):1230-6.
67. Brent DA, Kolko DJ, **Birmaher B**, Baugher M, Bridge J. A clinical trial for adolescent depression: predictors of additional treatment in the acute and follow-up phases of the trial. *J Am Acad Child Adolesc Psychiatry.* 1999;38(3):263-70; discussion 70-1.
68. De Bellis MD, Baum AS, **Birmaher B**, Keshavan MS, Eccard CH, Boring AM, Jenkins FJ, Ryan ND. A.E. Bennett Research Award. Developmental traumatology. Part I: Biological stress systems. *Biol Psychiatry.* 1999;45(10):1259-70.
69. Hardan A, **Birmaher B**, Williamson DE, Dahl RE, Ambrosini P, Rabinovich H, Ryan ND. Prolactin secretion in depressed children. *Biol Psychiatry.* 1999;46(4):506-11.
70. Hughes CW, Emslie GJ, Crismon ML, Wagner KD, **Birmaher B**, Geller B, Pliszka SR, Ryan ND, Strober M, Trivedi MH, Toprac MG, Sedillo A, Llana ME, Lopez M, Rush AJ. The Texas Children's Medication Algorithm Project: report of the Texas Consensus Conference Panel on Medication Treatment of Childhood Major Depressive Disorder. *J Am Acad Child Adolesc Psychiatry.* 1999;38(11):1442-54.
71. Rao U, Ryan ND, Dahl RE, **Birmaher B**, Rao R, Williamson DE, Perel JM. Factors associated with the development of substance use disorder in depressed adolescents. *J Am Acad Child Adolesc Psychiatry.* 1999;38(9):1109-17.
72. Renaud J, Axelson D, **Birmaher B**. A risk-benefit assessment of pharmacotherapies for clinical depression in children and adolescents. *Drug Saf.* 1999;20(1):59-75.
73. Renaud J, **Birmaher B**, Wassick SC, Bridge J. Use of selective serotonin reuptake inhibitors for the treatment of childhood panic disorder: a pilot study. *J Child Adolesc Psychopharmacol.* 1999;9(2):73-83.
74. Renaud J, Brent DA, **Birmaher B**, Chiappetta L, Bridge J. Suicide in adolescents with disruptive disorders. *J Am Acad Child Adolesc Psychiatry.* 1999;38(7):846-51.
75. **Birmaher B**, Brent DA, Kolko D, Baugher M, Bridge J, Holder D, Iyengar S, Ulloa RE. Clinical outcome after

- short-term psychotherapy for adolescents with major depressive disorder. *Arch Gen Psychiatry*. 2000;57(1):29-36.
76. **Birmaher B**, Dahl RE, Williamson DE, Perel JM, Brent DA, Axelson DA, Kaufman J, Dorn LD, Stull S, Rao U, Ryan ND. Growth hormone secretion in children and adolescents at high risk for major depressive disorder. *Arch Gen Psychiatry*. 2000;57(9):867-72.
77. Brent DA, Baugher M, **Birmaher B**, Kolko DJ, Bridge J. Compliance with recommendations to remove firearms in families participating in a clinical trial for adolescent depression. *J Am Acad Child Adolesc Psychiatry*. 2000;39(10):1220-6.
78. Dahl RE, **Birmaher B**, Williamson DE, Dorn L, Perel J, Kaufman J, Brent DA, Axelson DA, Ryan ND. Low growth hormone response to growth hormone-releasing hormone in child depression. *Biol Psychiatry*. 2000;48(10):981-8.
79. De Bellis MD, Casey BJ, Dahl RE, **Birmaher B**, Williamson DE, Thomas KM, Axelson DA, Frustaci K, Boring AM, Hall J, Ryan ND. A pilot study of amygdala volumes in pediatric generalized anxiety disorder. *Biol Psychiatry*. 2000;48(1):51-7.
80. Duggal S, Malkoff-Schwartz S, **Birmaher B**, Anderson BP, Matty MK, Houck PR, Bailey-Orr M, Williamson DE, Frank E. Assessment of life stress in adolescents: self-report versus interview methods. *J Am Acad Child Adolesc Psychiatry*. 2000;39(4):445-52.
81. Kaufman J, **Birmaher B**, Brent DA, Ryan ND, Rao U. K-Sads-Pl. *J Am Acad Child Adolesc Psychiatry*. 2000;39(10):1208.
82. Kolko DJ, Brent DA, Baugher M, Bridge J, **Birmaher B**. Cognitive and family therapies for adolescent depression: treatment specificity, mediation, and moderation. *J Consult Clin Psychol*. 2000;68(4):603-14.
83. Lake MB, **Birmaher B**, Wassick S, Mathos K, Yelovich AK. Bleeding and selective serotonin reuptake inhibitors in childhood and adolescence. *J Child Adolesc Psychopharmacol*. 2000;10(1):35-8.
84. Monga S, **Birmaher B**, Chiappetta L, Brent D, Kaufman J, Bridge J, Cully M. Screen for Child Anxiety-Related Emotional Disorders (SCARED): convergent and divergent validity. *Depress Anxiety*. 2000;12(2):85-91.
85. Stein D, Williamson DE, **Birmaher B**, Brent DA, Kaufman J, Dahl RE, Perel JM, Ryan ND. Parent-child bonding and family functioning in depressed children and children at high risk and low risk for future depression. *J Am Acad Child Adolesc Psychiatry*. 2000;39(11):1387-95.
86. Strauss J, **Birmaher B**, Bridge J, Axelson D, Chiappetta L, Brent D, Ryan N. Anxiety disorders in suicidal youth. *Can J Psychiatry*. 2000;45(8):739-45.
87. Ulloa RE, **Birmaher B**, Axelson D, Williamson DE, Brent DA, Ryan ND, Bridge J, Baugher M. Psychosis in a pediatric mood and anxiety disorders clinic: phenomenology and correlates. *J Am Acad Child Adolesc Psychiatry*. 2000;39(3):337-45.
88. Williamson DE, **Birmaher B**, Brent DA, Balach L, Dahl RE, Ryan ND. Atypical symptoms of depression in a sample of depressed child and adolescent outpatients. *J Am Acad Child Adolesc Psychiatry*. 2000;39(10):1253-9.
89. Axelson DA, **Birmaher B**. Relation between anxiety and depressive disorders in childhood and adolescence. *Depress Anxiety*. 2001;14(2):67-78.
90. **Birmaher B**, Heydl P. Biological studies in depressed children and adolescents. *Int J Neuropsychopharmacol*. 2001;4(2):149-57.
91. Brent DA, **Birmaher B**, Kolko D, Baugher M, Bridge J. Subsyndromal depression in adolescents after a brief

- psychotherapy trial: course and outcome. *J Affect Disord.* 2001;63(1-3):51-8.
92. Cornelius JR, Bukstein OG, **Birmaher B**, Salloum IM, Lynch K, Pollock NK, Gershon S, Clark D. Fluoxetine in adolescents with major depression and an alcohol use disorder: an open-label trial. *Addict Behav.* 2001;26(5):735-9.
 93. Keller MB, Ryan ND, Strober M, Klein RG, Kutcher SP, **Birmaher B**, Hagino OR, Koplewicz H, Carlson GA, Clarke GN, Emslie GJ, Feinberg D, Geller B, Kusumakar V, Papatheodorou G, Sack WH, Sweeney M, Wagner KD, Weller EB, Winters NC, Oakes R, McCafferty JP. Efficacy of paroxetine in the treatment of adolescent major depression: a randomized, controlled trial. *J Am Acad Child Adolesc Psychiatry.* 2001;40(7):762-72.
 94. Stein D, Brent DA, Bridge J, Kolko D, **Birmaher B**, Baugher M. Predictors of parent-rated credibility in a clinical psychotherapy trial for adolescent depression. *J Psychother Pract Res.* 2001;10(1):1-7.
 95. Thomas KM, Drevets WC, Dahl RE, Ryan ND, **Birmaher B**, Eccard CH, Axelson D, Whalen PJ, Casey BJ. Amygdala response to fearful faces in anxious and depressed children. *Arch Gen Psychiatry.* 2001;58(11):1057-63.
 96. Axelson DA, Perel JM, **Birmaher B**, Rudolph GR, Nuss S, Bridge J, Brent DA. Sertraline pharmacokinetics and dynamics in adolescents. *J Am Acad Child Adolesc Psychiatry.* 2002;41(9):1037-44.
 97. **Birmaher B**, Arbelaez C, Brent D. Course and outcome of child and adolescent major depressive disorder. *Child Adolesc Psychiatr Clin N Am.* 2002;11(3):619-37, x.
 98. **Birmaher B**, Kennah A, Brent D, Ehmann M, Bridge J, Axelson D. Is bipolar disorder specifically associated with panic disorder in youths? *J Clin Psychiatry.* 2002;63(5):414-9.
 99. Brent DA, **Birmaher B**. Clinical practice. Adolescent depression. *N Engl J Med.* 2002;347(9):667-71.
 100. Brent DA, Oquendo M, **Birmaher B**, Greenhill L, Kolko D, Stanley B, Zelazny J, Brodsky B, Bridge J, Ellis S, Salazar JO, Mann JJ. Familial pathways to early-onset suicide attempt: risk for suicidal behavior in offspring of mood-disordered suicide attempters. *Arch Gen Psychiatry.* 2002;59(9):801-7.
 101. Burke JD, Loeber R, **Birmaher B**. Oppositional defiant disorder and conduct disorder: a review of the past 10 years, part II. *J Am Acad Child Adolesc Psychiatry.* 2002;41(11):1275-93.
 102. De Bellis MD, Keshavan MS, Shifflett H, Iyengar S, Dahl RE, Axelson DA, **Birmaher B**, Hall J, Moritz G, Ryan ND. Superior temporal gyrus volumes in pediatric generalized anxiety disorder. *Biol Psychiatry.* 2002;51(7):553-62.
 103. Rao U, Dahl RE, Ryan ND, **Birmaher B**, Williamson DE, Rao R, Kaufman J. Heterogeneity in EEG sleep findings in adolescent depression: unipolar versus bipolar clinical course. *J Affect Disord.* 2002;70(3):273-80.
 104. Axelson D, **Birmaher BJ**, Brent D, Wassick S, Hoover C, Bridge J, Ryan N. A preliminary study of the Kiddie Schedule for Affective Disorders and Schizophrenia for School-Age Children mania rating scale for children and adolescents. *J Child Adolesc Psychopharmacol.* 2003;13(4):463-70.
 105. Axelson DA, Bertocci MA, Lewin DS, Trubnick LS, **Birmaher B**, Williamson DE, Ryan ND, Dahl RE. Measuring mood and complex behavior in natural environments: use of ecological momentary assessment in pediatric affective disorders. *J Child Adolesc Psychopharmacol.* 2003;13(3):253-66.
 106. **Birmaher B**, Axelson DA, Monk K, Kalas C, Clark DB, Ehmann M, Bridge J, Heo J, Brent DA. Fluoxetine for the treatment of childhood anxiety disorders. *J Am Acad Child Adolesc Psychiatry.* 2003;42(4):415-23.
 107. Brent DA, Oquendo M, **Birmaher B**, Greenhill L, Kolko D, Stanley B, Zelazny J, Brodsky B, Firinciogullari S, Ellis SP, Mann JJ. Peripubertal suicide attempts in offspring of suicide attempters with siblings concordant for suicidal behavior. *Am J Psychiatry.* 2003;160(8):1486-93.

108. Bridge JA, Day NL, Day R, Richardson GA, **Birmaher B**, Brent DA. Major depressive disorder in adolescents exposed to a friend's suicide. *J Am Acad Child Adolesc Psychiatry*. 2003;42(11):1294-300.
109. Campo JV, Dahl RE, Williamson DE, **Birmaher B**, Perel JM, Ryan ND. Gastrointestinal distress to serotonergic challenge: a risk marker for emotional disorder? *J Am Acad Child Adolesc Psychiatry*. 2003;42(10):1221-6.
110. Gaynor ST, Weersing VR, Kolko DJ, **Birmaher B**, Heo J, Brent DA. The prevalence and impact of large sudden improvements during adolescent therapy for depression: a comparison across cognitive-behavioral, family, and supportive therapy. *J Consult Clin Psychol*. 2003;71(2):386-93.
111. Williamson DE, **Birmaher B**, Ryan ND, Shiffrin TP, Lusk JA, Protopapa J, Dahl RE, Brent DA. The stressful life events schedule for children and adolescents: development and validation. *Psychiatry Res*. 2003;119(3):225-41.
112. Barbe RP, Bridge J, **Birmaher B**, Kolko D, Brent DA. Suicidality and its relationship to treatment outcome in depressed adolescents. *Suicide Life Threat Behav*. 2004;34(1):44-55.
113. Barbe RP, Bridge JA, **Birmaher B**, Kolko DJ, Brent DA. Lifetime history of sexual abuse, clinical presentation, and outcome in a clinical trial for adolescent depression. *J Clin Psychiatry*. 2004;65(1):77-83.
114. **Birmaher B**, Bridge JA, Williamson DE, Brent DA, Dahl RE, Axelson DA, Dorn LD, Ryan ND. Psychosocial functioning in youths at high risk to develop major depressive disorder. *J Am Acad Child Adolesc Psychiatry*. 2004;43(7):839-46.
115. **Birmaher B**, Williamson DE, Dahl RE, Axelson DA, Kaufman J, Dorn LD, Ryan ND. Clinical presentation and course of depression in youth: does onset in childhood differ from onset in adolescence? *J Am Acad Child Adolesc Psychiatry*. 2004;43(1):63-70.
116. Brent DA, **Birmaher B**. British warnings on SSRIs questioned. *J Am Acad Child Adolesc Psychiatry*. 2004;43(4):379-80.
117. Brent DA, Oquendo M, **Birmaher B**, Greenhill L, Kolko D, Stanley B, Zelazny J, Brodsky B, Melhem N, Ellis SP, Mann JJ. Familial transmission of mood disorders: convergence and divergence with transmission of suicidal behavior. *J Am Acad Child Adolesc Psychiatry*. 2004;43(10):1259-66.
118. Campo JV, Bridge J, Ehmann M, Altman S, Lucas A, **Birmaher B**, Di Lorenzo C, Iyengar S, Brent DA. Recurrent abdominal pain, anxiety, and depression in primary care. *Pediatrics*. 2004;113(4):817-24.
119. Campo JV, Perel J, Lucas A, Bridge J, Ehmann M, Kalas C, Monk K, Axelson D, **Birmaher B**, Ryan N, Di Lorenzo C, Brent DA. Citalopram treatment of pediatric recurrent abdominal pain and comorbid internalizing disorders: an exploratory study. *J Am Acad Child Adolesc Psychiatry*. 2004;43(10):1234-42.
120. Chen BK, Sassi R, Axelson D, Hatch JP, Sanches M, Nicoletti M, Brambilla P, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Cross-sectional study of abnormal amygdala development in adolescents and young adults with bipolar disorder. *Biol Psychiatry*. 2004;56(6):399-405.
121. Chen HH, Nicoletti M, Sanches M, Hatch JP, Sassi RB, Axelson D, Brambilla P, Keshavan MS, Ryan N, **Birmaher B**, Soares JC. Normal pituitary volumes in children and adolescents with bipolar disorder: a magnetic resonance imaging study. *Depress Anxiety*. 2004;20(4):182-6.
122. Chen HH, Nicoletti MA, Hatch JP, Sassi RB, Axelson D, Brambilla P, Monkul ES, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Abnormal left superior temporal gyrus volumes in children and adolescents with bipolar disorder: a magnetic resonance imaging study. *Neurosci Lett*. 2004;363(1):65-8.
123. Diler RS, **Birmaher B**, Brent DA, Axelson DA, Firinciogullari S, Chiapetta L, Bridge J. Phenomenology of panic disorder in youth. *Depress Anxiety*. 2004;20(1):39-43.

124. Miklowitz DJ, George EL, Axelson DA, Kim EY, **Birmaher B**, Schneck C, Beresford C, Craighead WE, Brent DA. Family-focused treatment for adolescents with bipolar disorder. *J Affect Disord.* 2004;82 Suppl 1:S113-28. PMID: 2754177.
125. Pavuluri M, **Birmaher B**. A practical guide to using ratings of depression and anxiety in child psychiatric practice. *Curr Psychiatry Rep.* 2004;6(2):108-16.
126. Williamson DE, **Birmaher B**, Axelson DA, Ryan ND, Dahl RE. First episode of depression in children at low and high familial risk for depression. *J Am Acad Child Adolesc Psychiatry.* 2004;43(3):291-7.
127. Wren FJ, Bridge JA, **Birmaher B**. Screening for childhood anxiety symptoms in primary care: integrating child and parent reports. *J Am Acad Child Adolesc Psychiatry.* 2004;43(11):1364-71.
128. Yorbik O, **Birmaher B**, Axelson D, Williamson DE, Ryan ND. Clinical characteristics of depressive symptoms in children and adolescents with major depressive disorder. *J Clin Psychiatry.* 2004;65(12):1654-9; quiz 760-1.
129. Axelson DA, Perel JM, **Birmaher B**, Rudolph G, Nuss S, Yurasits L, Bridge J, Brent DA. Platelet serotonin reuptake inhibition and response to SSRIs in depressed adolescents. *Am J Psychiatry.* 2005;162(4):802-4.
130. Barbe RP, Williamson DE, Bridge JA, **Birmaher B**, Dahl RE, Axelson DA, Ryan ND. Clinical differences between suicidal and nonsuicidal depressed children and adolescents. *J Clin Psychiatry.* 2005;66(4):492-8.
131. Bertocci MA, Dahl RE, Williamson DE, Iosif AM, **Birmaher B**, Axelson D, Ryan ND. Subjective sleep complaints in pediatric depression: a controlled study and comparison with EEG measures of sleep and waking. *J Am Acad Child Adolesc Psychiatry.* 2005;44(11):1158-66.
132. **Birmaher B**, Brent D. Should we use antidepressants for the treatment of major depressive disorder in children and adolescents? *Rev Bras Psiquiatr.* 2005;27(2):89-90.
133. Bridge JA, Barbe RP, **Birmaher B**, Kolko DJ, Brent DA. Emergent suicidality in a clinical psychotherapy trial for adolescent depression. *Am J Psychiatry.* 2005;162(11):2173-5.
134. Bridge JA, Salary CB, **Birmaher B**, Asare AG, Brent DA. The risks and benefits of antidepressant treatment for youth depression. *Ann Med.* 2005;37(6):404-12.
135. Clark DB, **Birmaher B**, Axelson D, Monk K, Kalas C, Ehmann M, Bridge J, Wood DS, Muthen B, Brent D. Fluoxetine for the treatment of childhood anxiety disorders: open-label, long-term extension to a controlled trial. *J Am Acad Child Adolesc Psychiatry.* 2005;44(12):1263-70.
136. Cornelius JR, Clark DB, Bukstein OG, **Birmaher B**, Salloum IM, Brown SA. Acute phase and five-year follow-up study of fluoxetine in adolescents with major depression and a comorbid substance use disorder: a review. *Addict Behav.* 2005;30(9):1824-33.
137. Daviss WB, Perel JM, Rudolph GR, Axelson DA, Gilchrist R, Nuss S, **Birmaher B**, Brent DA. Steady-state pharmacokinetics of bupropion SR in juvenile patients. *J Am Acad Child Adolesc Psychiatry.* 2005;44(4):349-57.
138. Goldstein TR, **Birmaher B**, Axelson D, Ryan ND, Strober MA, Gill MK, Valeri S, Chiappetta L, Leonard H, Hunt J, Bridge JA, Brent DA, Keller M. History of suicide attempts in pediatric bipolar disorder: factors associated with increased risk. *Bipolar Disord.* 2005;7(6):525-35.
139. Kaur S, Sassi RB, Axelson D, Nicoletti M, Brambilla P, Monkul ES, Hatch JP, Keshavan MS, Ryan N, **Birmaher B**, Soares JC. Cingulate cortex anatomical abnormalities in children and adolescents with bipolar disorder. *Am J Psychiatry.* 2005;162(9):1637-43.
140. Kowatch RA, Fristad M, **Birmaher B**, Wagner KD, Findling RL, Hellander M. Treatment guidelines for children and adolescents with bipolar disorder. *J Am Acad Child Adolesc Psychiatry.* 2005;44(3):213-35.

141. Ladouceur CD, Dahl RE, Williamson DE, **Birmaher B**, Ryan ND, Casey BJ. Altered emotional processing in pediatric anxiety, depression, and comorbid anxiety-depression. *J Abnorm Child Psychol*. 2005;33(2):165-77.
142. Oquendo M, Brent DA, **Birmaher B**, Greenhill L, Kolko D, Stanley B, Zelazny J, Burke AK, Firinciogullari S, Ellis SP, Mann JJ. Posttraumatic stress disorder comorbid with major depression: factors mediating the association with suicidal behavior. *Am J Psychiatry*. 2005;162(3):560-6.
143. Pavuluri MN, **Birmaher B**, Naylor MW. Pediatric bipolar disorder: a review of the past 10 years. *J Am Acad Child Adolesc Psychiatry*. 2005;44(9):846-71.
144. Sanches M, Roberts RL, Sassi RB, Axelson D, Nicoletti M, Brambilla P, Hatch JP, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Developmental abnormalities in striatum in young bipolar patients: a preliminary study. *Bipolar Disord*. 2005;7(2):153-8.
145. Sanches M, Sassi RB, Axelson D, Nicoletti M, Brambilla P, Hatch JP, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Subgenual prefrontal cortex of child and adolescent bipolar patients: a morphometric magnetic resonance imaging study. *Psychiatry Res*. 2005;138(1):43-9.
146. Sassi RB, Stanley JA, Axelson D, Brambilla P, Nicoletti MA, Keshavan MS, Ramos RT, Ryan N, **Birmaher B**, Soares JC. Reduced NAA levels in the dorsolateral prefrontal cortex of young bipolar patients. *Am J Psychiatry*. 2005;162(11):2109-15.
147. Williamson DE, **Birmaher B**, Dahl RE, Ryan ND. Stressful life events in anxious and depressed children. *J Child Adolesc Psychopharmacol*. 2005;15(4):571-80.
148. Axelson D, **Birmaher B**, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Bridge J, Keller M. Phenomenology of children and adolescents with bipolar spectrum disorders. *Arch Gen Psychiatry*. 2006;63(10):1139-48.
149. **Birmaher B**, Axelson D. Course and outcome of bipolar spectrum disorder in children and adolescents: a review of the existing literature. *Dev Psychopathol*. 2006;18(4):1023-35.
150. **Birmaher B**, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Clinical course of children and adolescents with bipolar spectrum disorders. *Arch Gen Psychiatry*. 2006;63(2):175-83. PMID: 3079382.
151. Brent DA, **Birmaher B**. Treatment-resistant depression in adolescents: recognition and management. *Child Adolesc Psychiatr Clin N Am*. 2006;15(4):1015-34, x.
152. Daviss WB, **Birmaher B**, Melhem NA, Axelson DA, Michaels SM, Brent DA. Criterion validity of the Mood and Feelings Questionnaire for depressive episodes in clinic and non-clinic subjects. *J Child Psychol Psychiatry*. 2006;47(9):927-34.
153. Daviss WB, Perel JM, **Birmaher B**, Rudolph GR, Melhem I, Axelson DA, Brent DA. Steady-state clinical pharmacokinetics of bupropion extended-release in youths. *J Am Acad Child Adolesc Psychiatry*. 2006;45(12):1503-9.
154. Daviss WB, Perel JM, Brent DA, Axelson DA, Rudolph GR, Gilchrist R, Nuss S, **Birmaher B**. Acute antidepressant response and plasma levels of bupropion and metabolites in a pediatric-aged sample: an exploratory study. *Ther Drug Monit*. 2006;28(2):190-8.
155. Esposito-Smythers C, **Birmaher B**, Valeri S, Chiappetta L, Hunt J, Ryan N, Axelson D, Strober M, Leonard H, Sindelar H, Keller M. Child comorbidity, maternal mood disorder, and perceptions of family functioning among bipolar youth. *J Am Acad Child Adolesc Psychiatry*. 2006;45(8):955-64.
156. Forbes EE, Christopher May J, Siegle GJ, Ladouceur CD, Ryan ND, Carter CS, **Birmaher B**, Axelson DA, Dahl RE. Reward-related decision-making in pediatric major depressive disorder: an fMRI study. *J Child Psychol Psychiatry*. 2006;47(10):1031-40. PMID: 2129133.

157. Forbes EE, Williamson DE, Ryan ND, **Birmaher B**, Axelson DA, Dahl RE. Peri-sleep-onset cortisol levels in children and adolescents with affective disorders. *Biol Psychiatry*. 2006;59(1):24-30. PMID: 2692857.
158. Ladouceur CD, Dahl RE, **Birmaher B**, Axelson DA, Ryan ND. Increased error-related negativity (ERN) in childhood anxiety disorders: ERP and source localization. *J Child Psychol Psychiatry*. 2006;47(10):1073-82.
159. Ladouceur CD, Dahl RE, Williamson DE, **Birmaher B**, Axelson DA, Ryan ND, Casey BJ. Processing emotional facial expressions influences performance on a Go/NoGo task in pediatric anxiety and depression. *J Child Psychol Psychiatry*. 2006;47(11):1107-15.
160. Monkul ES, Nicoletti MA, Spence D, Sassi RB, Axelson D, Brambilla P, Hatch JP, Keshavan M, Ryan N, **Birmaher B**, Soares JC. MRI study of thalamus volumes in juvenile patients with bipolar disorder. *Depress Anxiety*. 2006;23(6):347-52.
161. Pavuluri MN, Henry DB, Devineni B, Carbray JA, **Birmaher B**. Child mania rating scale: development, reliability, and validity. *J Am Acad Child Adolesc Psychiatry*. 2006;45(5):550-60.
162. Rende R, **Birmaher B**, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Psychotic symptoms in pediatric bipolar disorder and family history of psychiatric illness. *J Affect Disord*. 2006;96(1-2):127-31.
163. Strober M, **Birmaher B**, Ryan N, Axelson D, Valeri S, Leonard H, Iyengar S, Gill MK, Hunt J, Keller M. Pediatric bipolar disease: current and future perspectives for study of its long-term course and treatment. *Bipolar Disord*. 2006;8(4):311-21. PMID: 1945011.
164. Weersing VR, Iyengar S, Kolko DJ, **Birmaher B**, Brent DA. Effectiveness of cognitive-behavioral therapy for adolescent depression: a benchmarking investigation. *Behav Ther*. 2006;37(1):36-48.
165. Yasar AS, Monkul ES, Sassi RB, Axelson D, Brambilla P, Nicoletti MA, Hatch JP, Keshavan M, Ryan N, **Birmaher B**, Soares JC. MRI study of corpus callosum in children and adolescents with bipolar disorder. *Psychiatry Res*. 2006;146(1):83-5.
166. Zalsman G, **Birmaher B**, Brent DA. [Depression in children and adolescents]. *Harefuah*. 2006;145(4):286-91, 318.
167. **Birmaher B**. Longitudinal course of pediatric bipolar disorder. *Am J Psychiatry*. 2007;164(4):537-9.
168. **Birmaher B**, Brent D, Bernet W, Bukstein O, Walter H, Benson RS, Chrisman A, Farchione T, Greenhill L, Hamilton J, Keable H, Kinlan J, Schoettle U, Stock S, Ptakowski KK, Medicus J. Practice parameter for the assessment and treatment of children and adolescents with depressive disorders. *J Am Acad Child Adolesc Psychiatry*. 2007;46(11):1503-26.
169. Boylan K, Romero S, **Birmaher B**. Psychopharmacologic treatment of pediatric major depressive disorder. *Psychopharmacology (Berl)*. 2007;191(1):27-38.
170. Bridge JA, Iyengar S, Salary CB, Barbe RP, **Birmaher B**, Pincus HA, Ren L, Brent DA. Clinical response and risk for reported suicidal ideation and suicide attempts in pediatric antidepressant treatment: a meta-analysis of randomized controlled trials. *Jama*. 2007;297(15):1683-96.
171. Diler RS, Daviss WB, Lopez A, Axelson D, Iyengar S, **Birmaher B**. Differentiating major depressive disorder in youths with attention deficit hyperactivity disorder. *J Affect Disord*. 2007;102(1-3):125-30. PMID: 2063591.
172. Farchione TR, **Birmaher B**, Axelson D, Kalas C, Monk K, Ehmann M, Iyengar S, Kupfer D, Brent D. Aggression, hostility, and irritability in children at risk for bipolar disorder. *Bipolar Disord*. 2007;9(5):496-503.
173. Goldstein TR, Axelson DA, **Birmaher B**, Brent DA. Dialectical behavior therapy for adolescents with bipolar disorder: a 1-year open trial. *J Am Acad Child Adolesc Psychiatry*. 2007;46(7):820-30. PMID: 2823290.

174. Hughes CW, Emslie GJ, Crismon ML, Posner K, **Birmaher B**, Ryan N, Jensen P, Curry J, Vitiello B, Lopez M, Shon SP, Pliszka SR, Trivedi MH. Texas Children's Medication Algorithm Project: update from Texas Consensus Conference Panel on Medication Treatment of Childhood Major Depressive Disorder. *J Am Acad Child Adolesc Psychiatry*. 2007;46(6):667-86.
175. Melhem NM, Brent DA, Ziegler M, Iyengar S, Kolko D, Oquendo M, **Birmaher B**, Burke A, Zelazny J, Stanley B, Mann JJ. Familial pathways to early-onset suicidal behavior: familial and individual antecedents of suicidal behavior. *Am J Psychiatry*. 2007;164(9):1364-70.
176. Najt P, Nicoletti M, Chen HH, Hatch JP, Caetano SC, Sassi RB, Axelson D, Brambilla P, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Anatomical measurements of the orbitofrontal cortex in child and adolescent patients with bipolar disorder. *Neurosci Lett*. 2007;413(3):183-6.
177. Rende R, **Birmaher B**, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Childhood-onset bipolar disorder: Evidence for increased familial loading of psychiatric illness. *J Am Acad Child Adolesc Psychiatry*. 2007;46(2):197-204. PMID: 2041890.
178. Revah-Levy A, **Birmaher B**, Gasquet I, Falissard B. The Adolescent Depression Rating Scale (ADRS): a validation study. *BMC Psychiatry*. 2007;7:2. PMID: 1785378.
179. Rizzo CJ, Esposito-Smythers C, Swenson L, **Birmaher B**, Ryan N, Strober M, Chiappetta L, Valeri S, Hunt J, Axelson D, Leonard H, Keller M. Factors associated with mental health service utilization among bipolar youth. *Bipolar Disord*. 2007;9(8):839-50.
180. Silk JS, Dahl RE, Ryan ND, Forbes EE, Axelson DA, **Birmaher B**, Siegle GJ. Pupillary reactivity to emotional information in child and adolescent depression: links to clinical and ecological measures. *Am J Psychiatry*. 2007;164(12):1873-80. PMID: 2561953.
181. Wren FJ, Berg EA, Heiden LA, Kinnamon CJ, Ohlson LA, Bridge JA, **Birmaher B**, Bernal MP. Childhood anxiety in a diverse primary care population: parent-child reports, ethnicity and SCARED factor structure. *J Am Acad Child Adolesc Psychiatry*. 2007;46(3):332-40.
182. Bearden CE, Soares JC, Klunder AD, Nicoletti M, Dierschke N, Hayashi KM, Narr KL, Brambilla P, Sassi RB, Axelson D, Ryan N, **Birmaher B**, Thompson PM. Three-dimensional mapping of hippocampal anatomy in adolescents with bipolar disorder. *J Am Acad Child Adolesc Psychiatry*. 2008;47(5):515-25. PMID: 2773145.
183. Brent D, Emslie G, Clarke G, Wagner KD, Asarnow JR, Keller M, Vitiello B, Ritz L, Iyengar S, Abebe K, **Birmaher B**, Ryan N, Kennard B, Hughes C, DeBar L, McCracken J, Strober M, Suddath R, Spirito A, Leonard H, Melhem N, Porta G, Onorato M, Zelazny J. Switching to another SSRI or to venlafaxine with or without cognitive behavioral therapy for adolescents with SSRI-resistant depression: the TORDIA randomized controlled trial. *Jama*. 2008;299(8):901-13. PMID: 2277341.
184. Brodsky BS, Mann JJ, Stanley B, Tin A, Oquendo M, **Birmaher B**, Greenhill L, Kolko D, Zelazny J, Burke AK, Melhem NM, Brent D. Familial transmission of suicidal behavior: factors mediating the relationship between childhood abuse and offspring suicide attempts. *J Clin Psychiatry*. 2008;69(4):584-96. PMID: 2754138.
185. Caetano SC, Silveira CM, Kaur S, Nicoletti M, Hatch JP, Brambilla P, Sassi R, Axelson D, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. Abnormal corpus callosum myelination in pediatric bipolar patients. *J Affect Disord*. 2008;108(3):297-301. PMID: 2677111.
186. Daviss WB, **Birmaher B**, Diler RS, Mintz J. Does pharmacotherapy for attention-deficit/hyperactivity disorder predict risk of later major depression? *J Child Adolesc Psychopharmacol*. 2008;18(3):257-64. PMID: 2935827.
187. Dietz LJ, **Birmaher B**, Williamson DE, Silk JS, Dahl RE, Axelson DA, Ehmann M, Ryan ND. Mother-child interactions in depressed children and children at high risk and low risk for future depression. *J Am Acad Child Adolesc Psychiatry*. 2008;47(5):574-82.

188. Forbes EE, Bertocci MA, Gregory AM, Ryan ND, Axelson DA, **Birmaher B**, Dahl RE. Objective sleep in pediatric anxiety disorders and major depressive disorder. *J Am Acad Child Adolesc Psychiatry*. 2008;47(2):148-55. PMID: 2674333.
189. Goldstein BI, **Birmaher B**, Axelson DA, Goldstein TR, Esposito-Smythers C, Strober MA, Hunt J, Leonard H, Gill MK, Iyengar S, Grimm C, Yang M, Ryan ND, Keller MB. Preliminary findings regarding overweight and obesity in pediatric bipolar disorder. *J Clin Psychiatry*. 2008;69(12):1953-9. PMID: 2911030.
190. Goldstein BI, **Birmaher B**, Axelson DA, Goldstein TR, Esposito-Smythers C, Strober MA, Hunt J, Leonard H, Gill MK, Iyengar S, Grimm C, Yang M, Ryan ND, Keller MB. Significance of cigarette smoking among youths with bipolar disorder. *Am J Addict*. 2008;17(5):364-71. PMID: 2905883.
191. Goldstein BI, Strober MA, **Birmaher B**, Axelson DA, Esposito-Smythers C, Goldstein TR, Leonard H, Hunt J, Gill MK, Iyengar S, Grimm C, Yang M, Ryan ND, Keller MB. Substance use disorders among adolescents with bipolar spectrum disorders. *Bipolar Disord*. 2008;10(4):469-78. PMID: 2768482.
192. Henry DB, Pavuluri MN, Youngstrom E, **Birmaher B**. Accuracy of brief and full forms of the Child Mania Rating Scale. *J Clin Psychol*. 2008;64(4):368-81.
193. Ladouceur CD, Almeida JR, **Birmaher B**, Axelson DA, Nau S, Kalas C, Monk K, Kupfer DJ, Phillips ML. Subcortical gray matter volume abnormalities in healthy bipolar offspring: potential neuroanatomical risk marker for bipolar disorder? *J Am Acad Child Adolesc Psychiatry*. 2008;47(5):532-9. PMID: 2711512.
194. Miklowitz DJ, Axelson DA, **Birmaher B**, George EL, Taylor DO, Schneck CD, Beresford CA, Dickinson LM, Craighead WE, Brent DA. Family-focused treatment for adolescents with bipolar disorder: results of a 2-year randomized trial. *Arch Gen Psychiatry*. 2008;65(9):1053-61. PMID: 2610285.
195. Monkul ES, Hatch JP, Sassi RB, Axelson D, Brambilla P, Nicoletti MA, Keshavan MS, Ryan ND, **Birmaher B**, Soares JC. MRI study of the cerebellum in young bipolar patients. *Prog Neuropsychopharmacol Biol Psychiatry*. 2008;32(3):613-9. PMID: 2778760.
196. Sakolsky D, **Birmaher B**. Pediatric anxiety disorders: management in primary care. *Curr Opin Pediatr*. 2008;20(5):538-43.
197. Walkup JT, Albano AM, Piacentini J, **Birmaher B**, Compton SN, Sherrill JT, Ginsburg GS, Rynn MA, McCracken J, Waslick B, Iyengar S, March JS, Kendall PC. Cognitive behavioral therapy, sertraline, or a combination in childhood anxiety. *N Engl J Med*. 2008;359(26):2753-66. PMID: 2702984.
198. Whalen DJ, Silk JS, Semel M, Forbes EE, Ryan ND, Axelson DA, **Birmaher B**, Dahl RE. Caffeine consumption, sleep, and affect in the natural environments of depressed youth and healthy controls. *J Pediatr Psychol*. 2008;33(4):358-67. PMID: 2492889.
199. Youngstrom EA, **Birmaher B**, Findling RL. Pediatric bipolar disorder: validity, phenomenology, and recommendations for diagnosis. *Bipolar Disord*. 2008;10(1 Pt 2):194-214.
200. **Birmaher B**, Axelson D, Goldstein B, Strober M, Gill MK, Hunt J, Houck P, Ha W, Iyengar S, Kim E, Yen S, Hower H, Esposito-Smythers C, Goldstein T, Ryan N, Keller M. Four-year longitudinal course of children and adolescents with bipolar spectrum disorders: the Course and Outcome of Bipolar Youth (COBY) study. *Am J Psychiatry*. 2009;166(7):795-804. PMID: 2828047.
201. **Birmaher B**, Axelson D, Monk K, Kalas C, Goldstein B, Hickey MB, Obreja M, Ehmann M, Iyengar S, Shamseddeen W, Kupfer D, Brent D. Lifetime psychiatric disorders in school-aged offspring of parents with bipolar disorder: the Pittsburgh Bipolar Offspring study. *Arch Gen Psychiatry*. 2009;66(3):287-96. PMID: 2756682.
202. **Birmaher B**, Axelson D, Strober M, Gill MK, Yang M, Ryan N, Goldstein B, Hunt J, Esposito-Smythers C, Iyengar S, Goldstein T, Chiapetta L, Keller M, Leonard H. Comparison of manic and depressive symptoms between children and adolescents with bipolar spectrum disorders. *Bipolar Disord*. 2009;11(1):52-62. PMID: 20000000.

203. **Birmaher B**, Ehmann M, Axelson DA, Goldstein BI, Monk K, Kalas C, Kupfer D, Gill MK, Leibenluft E, Bridge J, Guyer A, Egger HL, Brent DA. Schedule for affective disorders and schizophrenia for school-age children (K-SADS-PL) for the assessment of preschool children--a preliminary psychometric study. *J Psychiatr Res.* 2009;43(7):680-6. PMID: 2736874.
204. Brent DA, Emslie GJ, Clarke GN, Asarnow J, Spirito A, Ritz L, Vitiello B, Iyengar S, **Birmaher B**, Ryan ND, Zelazny J, Onorato M, Kennard B, Mayes TL, Debar LL, McCracken JT, Strober M, Suddath R, Leonard H, Porta G, Keller MB. Predictors of spontaneous and systematically assessed suicidal adverse events in the treatment of SSRI-resistant depression in adolescents (TORDIA) study. *Am J Psychiatry.* 2009;166(4):418-26.
205. Bridge JA, **Birmaher B**, Iyengar S, Barbe RP, Brent DA. Placebo response in randomized controlled trials of antidepressants for pediatric major depressive disorder. *Am J Psychiatry.* 2009;166(1):42-9.
206. Carlson GA, Findling RL, Post RM, **Birmaher B**, Blumberg HP, Correll C, DelBello MP, Fristad M, Frazier J, Hammen C, Hinshaw SP, Kowatch R, Leibenluft E, Meyer SE, Pavuluri MN, Wagner KD, Tohen M. AACAP 2006 Research Forum--Advancing research in early-onset bipolar disorder: barriers and suggestions. *J Child Adolesc Psychopharmacol.* 2009;19(1):3-12.
207. Danner S, Fristad MA, Arnold LE, Youngstrom EA, **Birmaher B**, Horwitz SM, Demeter C, Findling RL, Kowatch RA. Early-onset bipolar spectrum disorders: diagnostic issues. *Clin Child Fam Psychol Rev.* 2009;12(3):271-93.
208. Daviss WB, Diler RS, **Birmaher B**. Associations of lifetime depression with trauma exposure, other environmental adversities, and impairment in adolescents with ADHD. *J Abnorm Child Psychol.* 2009;37(6):857-71.
209. Diler RS, **Birmaher B**, Axelson D, Goldstein B, Gill M, Strober M, Kolko DJ, Goldstein TR, Hunt J, Yang M, Ryan ND, Iyengar S, Dahl RE, Dorn LD, Keller MB. The Child Behavior Checklist (CBCL) and the CBCL-bipolar phenotype are not useful in diagnosing pediatric bipolar disorder. *J Child Adolesc Psychopharmacol.* 2009;19(1):23-30. PMID: 2753490.
210. Elizabeth Sublette M, Carballo JJ, Moreno C, Galfalvy HC, Brent DA, **Birmaher B**, John Mann J, Oquendo MA. Substance use disorders and suicide attempts in bipolar subtypes. *J Psychiatr Res.* 2009;43(3):230-8. PMID: 2671238.
211. Fagiolini A, Frank E, Axelson DA, **Birmaher B**, Cheng Y, Curet DE, Friedman ES, Gildengers AG, Goldstein T, Grochocinski VJ, Houck PR, Stofko MG, Thase ME, Thompson WK, Turkin SR, Kupfer DJ. Enhancing outcomes in patients with bipolar disorder: results from the Bipolar Disorder Center for Pennsylvanians Study. *Bipolar Disord.* 2009;11(4):382-90.
212. Forbes EE, Hariri AR, Martin SL, Silk JS, Moyles DL, Fisher PM, Brown SM, Ryan ND, **Birmaher B**, Axelson DA, Dahl RE. Altered striatal activation predicting real-world positive affect in adolescent major depressive disorder. *Am J Psychiatry.* 2009;166(1):64-73. PMID: 2701209.
213. Gilbert AR, Akkal D, Almeida JR, Mataix-Cols D, Kalas C, Devlin B, **Birmaher B**, Phillips ML. Neural correlates of symptom dimensions in pediatric obsessive-compulsive disorder: a functional magnetic resonance imaging study. *J Am Acad Child Adolesc Psychiatry.* 2009;48(9):936-44.
214. Goldstein BI, Shamseddeen W, Spirito A, Emslie G, Clarke G, Wagner KD, Asarnow JR, Vitiello B, Ryan N, **Birmaher B**, Mayes T, Onorato M, Zelazny J, Brent DA. Substance use and the treatment of resistant depression in adolescents. *J Am Acad Child Adolesc Psychiatry.* 2009;48(12):1182-92. PMID: 2895963.
215. Goldstein TR, **Birmaher B**, Axelson D, Goldstein BI, Gill MK, Esposito-Smythers C, Ryan ND, Strober MA, Hunt J, Keller M. Family environment and suicidal ideation among bipolar youth. *Arch Suicide Res.* 2009;13(4):378-88. PMID: 2822384.

216. Goldstein TR, **Birmaher B**, Axelson D, Goldstein BI, Gill MK, Esposito-Smythers C, Ryan ND, Strober MA, Hunt J, Keller M. Psychosocial functioning among bipolar youth. *J Affect Disord.* 2009;114(1-3):174-83. PMID: 2709452.
217. Hunt J, **Birmaher B**, Leonard H, Strober M, Axelson D, Ryan N, Yang M, Gill M, Dyl J, Esposito-Smythers C, Swenson L, Goldstein B, Goldstein T, Stout R, Keller M. Irritability without elation in a large bipolar youth sample: frequency and clinical description. *J Am Acad Child Adolesc Psychiatry.* 2009;48(7):730-9. PMID: 2935140.
218. Kupfer DJ, Axelson DA, **Birmaher B**, Brown C, Curet DE, Fagiolini A, Frank E, Friedman ES, Grochocinski VJ, Houck PR, Kilbourne AM, Mulsant BH, Pollock BG, Reynolds CF, 3rd, Stofko MG, Swartz HA, Thase ME, Turkin SR, Whyte EM. Bipolar disorder center for Pennsylvanians: implementing an effectiveness trial to improve treatment for at-risk patients. *Psychiatr Serv.* 2009;60(7):888-97.
219. Mansour HA, Talkowski ME, Wood J, Chowdari KV, McClain L, Prasad K, Montrose D, Fagiolini A, Friedman ES, Allen MH, Bowden CL, Calabrese J, El-Mallakh RS, Escamilla M, Faraone SV, Fossey MD, Gyulai L, Loftis JM, Hauser P, Ketter TA, Marangell LB, Miklowitz DJ, Nierenberg AA, Patel J, Sachs GS, Sklar P, Smoller JW, Laird N, Keshavan M, Thase ME, Axelson D, **Birmaher B**, Lewis D, Monk T, Frank E, Kupfer DJ, Devlin B, Nimgaonkar VL. Association study of 21 circadian genes with bipolar I disorder, schizoaffective disorder, and schizophrenia. *Bipolar Disord.* 2009;11(7):701-10.
220. Miklowitz DJ, Axelson DA, George EL, Taylor DO, Schneck CD, Sullivan AE, Dickinson LM, **Birmaher B**. Expressed emotion moderates the effects of family-focused treatment for bipolar adolescents. *J Am Acad Child Adolesc Psychiatry.* 2009;48(6):643-51.
221. Romero S, **Birmaher B**, Axelson D, Goldstein T, Goldstein BI, Gill MK, Iosif AM, Strober MA, Hunt J, Esposito-Smythers C, Ryan ND, Leonard H, Keller M. Prevalence and correlates of physical and sexual abuse in children and adolescents with bipolar disorder. *J Affect Disord.* 2009;112(1-3):144-50. PMID: 2707081.
222. Romero S, **Birmaher B**, Axelson DA, Iosif AM, Williamson DE, Gill MK, Goldstein BI, Strober MA, Hunt J, Goldstein TR, Esposito-Smythers C, Iyengar S, Ryan ND, Keller M. Negative life events in children and adolescents with bipolar disorder. *J Clin Psychiatry.* 2009;70(10):1452-60. PMID: 2921940.
223. Sala R, Axelson D, **Birmaher B**. Phenomenology, longitudinal course, and outcome of children and adolescents with bipolar spectrum disorders. *Child Adolesc Psychiatr Clin N Am.* 2009;18(2):273-89, vii. PMID: 2713171.
224. Silk JS, Ziegler ML, Whalen DJ, Dahl RE, Ryan ND, Dietz LJ, **Birmaher B**, Axelson DA, Williamson DE. Expressed emotion in mothers of currently depressed, remitted, high-risk, and low-risk youth: links to child depression status and longitudinal course. *J Clin Child Adolesc Psychol.* 2009;38(1):36-47. PMID: 2621316.
225. Wood J, **Birmaher B**, Axelson D, Ehmann M, Kalas C, Monk K, Turkin S, Kupfer DJ, Brent D, Monk TH, Nimgaonkar VL. Replicable differences in preferred circadian phase between bipolar disorder patients and control individuals. *Psychiatry Res.* 2009;166(2-3):201-9. PMID: 2754153.
226. **Birmaher B**, Axelson D, Goldstein B, Monk K, Kalas C, Obreja M, Hickey MB, Iyengar S, Brent D, Shamseddeen W, Diler R, Kupfer D. Psychiatric disorders in preschool offspring of parents with bipolar disorder: the Pittsburgh Bipolar Offspring Study (BIOS). *Am J Psychiatry.* 2010;167(3):321-30. PMID: 2868596.
227. Brent D, Melhem N, Ferrell R, Emslie G, Wagner KD, Ryan N, Vitiello B, **Birmaher B**, Mayes T, Zelazny J, Onorato M, Devlin B, Clarke G, DeBar L, Keller M. Association of FKBP5 polymorphisms with suicidal events in the Treatment of Resistant Depression in Adolescents (TORDIA) study. *Am J Psychiatry.* 2010;167(2):190-7. PMID: 2887294.
228. Burke AK, Galfalvy H, Everett B, Currier D, Zelazny J, Oquendo MA, Melhem NM, Kolko D, Harkavy-Friedman JM, **Birmaher B**, Stanley B, Mann JJ, Brent DA. Effect of exposure to suicidal behavior on suicide attempt in a high-risk sample of offspring of depressed parents. *J Am Acad Child Adolesc Psychiatry.* 2010;49(2):114-21. PMID: 2915586.

229. Compton SN, Walkup JT, Albano AM, Piacentini JC, **Birmaher B**, Sherrill JT, Ginsburg GS, Rynn MA, McCracken JT, Waslick BD, Iyengar S, Kendall PC, March JS. Child/Adolescent Anxiety Multimodal Study (CAMS): rationale, design, and methods. *Child Adolesc Psychiatry Ment Health*. 2010;4:1. PMID: 2818613.
230. Emslie GJ, Mayes T, Porta G, Vitiello B, Clarke G, Wagner KD, Asarnow JR, Spirito A, **Birmaher B**, Ryan N, Kennard B, DeBar L, McCracken J, Strober M, Onorato M, Zelazny J, Keller M, Iyengar S, Brent D. Treatment of Resistant Depression in Adolescents (TORDIA): week 24 outcomes. *Am J Psychiatry*. 2010;167(7):782-91. PMID: 3257891.
231. Esposito-Smythers C, Goldstein T, **Birmaher B**, Goldstein B, Hunt J, Ryan N, Axelson D, Strober M, Gill MK, Hanley A, Keller M. Clinical and psychosocial correlates of non-suicidal self-injury within a sample of children and adolescents with bipolar disorder. *J Affect Disord*. 2010;125(1-3):89-97. PMID: 2888943.
232. Fan F, Su L, Gill MK, **Birmaher B**. Emotional and behavioral problems of Chinese left-behind children: a preliminary study. *Soc Psychiatry Psychiatr Epidemiol*. 2010;45(6):655-64.
233. Findling RL, Youngstrom EA, Fristad MA, **Birmaher B**, Kowatch RA, Arnold LE, Frazier TW, Axelson D, Ryan N, Demeter CA, Gill MK, Fields B, Depew J, Kennedy SM, Marsh L, Rowles BM, Horwitz SM. Characteristics of children with elevated symptoms of mania: the Longitudinal Assessment of Manic Symptoms (LAMS) study. *J Clin Psychiatry*. 2010;71(12):1664-72. PMID: 3057622.
234. Forbes EE, Olin TM, Ryan ND, **Birmaher B**, Axelson D, Moyles DL, Dahl RE. Reward-related brain function as a predictor of treatment response in adolescents with major depressive disorder. *Cogn Affect Behav Neurosci*. 2010;10(1):107-18. PMID: 2841787.
235. Goldstein BI, Shamseddeen W, Axelson DA, Kalas C, Monk K, Brent DA, Kupfer DJ, **Birmaher B**. Clinical, demographic, and familial correlates of bipolar spectrum disorders among offspring of parents with bipolar disorder. *J Am Acad Child Adolesc Psychiatry*. 2010;49(4):388-96. PMID: 2913485.
236. Horwitz SM, Demeter CA, Pagano ME, Youngstrom EA, Fristad MA, Arnold LE, **Birmaher B**, Gill MK, Axelson D, Kowatch RA, Frazier TW, Findling RL. Longitudinal Assessment of Manic Symptoms (LAMS) study: background, design, and initial screening results. *J Clin Psychiatry*. 2010;71(11):1511-7. PMID: 3051351.
237. Kendall PC, Compton SN, Walkup JT, **Birmaher B**, Albano AM, Sherrill J, Ginsburg G, Rynn M, McCracken J, Gosch E, Keeton C, Bergman L, Sakolsky D, Suveg C, Iyengar S, March J, Piacentini J. Clinical characteristics of anxiety disordered youth. *J Anxiety Disord*. 2010;24(3):360-5. PMID: 2838990.
238. Mendez I, **Birmaher B**. Pediatric Bipolar Disorder: Do we know how to detect it? *Actas Esp Psiquiatr*. 2010;38(3):170-82.
239. Sala R, Axelson DA, Castro-Fornieles J, Goldstein TR, Ha W, Liao F, Gill MK, Iyengar S, Strober MA, Goldstein BI, Yen S, Hower H, Hunt J, Ryan ND, Dickstein D, Keller MB, **Birmaher B**. Comorbid anxiety in children and adolescents with bipolar spectrum disorders: prevalence and clinical correlates. *J Clin Psychiatry*. 2010;71(10):1344-50. PMID: 2978760.
240. Versace A, Ladouceur CD, Romero S, **Birmaher B**, Axelson DA, Kupfer DJ, Phillips ML. Altered development of white matter in youth at high familial risk for bipolar disorder: a diffusion tensor imaging study. *J Am Acad Child Adolesc Psychiatry*. 2010;49(12):1249-59. PMID: 2996850.
241. Arnold LE, Demeter C, Mount K, Frazier TW, Youngstrom EA, Fristad M, **Birmaher B**, Findling RL, Horwitz SM, Kowatch R, Axelson DA. Pediatric bipolar spectrum disorder and ADHD: comparison and comorbidity in the LAMS clinical sample. *Bipolar Disord*. 2011;13(5-6):509-21. PMID: 3201827.
242. Asarnow JR, Porta G, Spirito A, Emslie G, Clarke G, Wagner KD, Vitiello B, Keller M, **Birmaher B**, McCracken J, Mayes T, Berk M, Brent DA. Suicide attempts and nonsuicidal self-injury in the treatment of resistant depression in adolescents: findings from the TORDIA study. *J Am Acad Child Adolesc Psychiatry*. 2011;50(8):772-81. PMID: 3143365.

243. Axelson DA, **Birmaher B**, Findling RL, Fristad MA, Kowatch RA, Youngstrom EA, Arnold EL, Goldstein BI, Goldstein TR, Chang KD, Delbello MP, Ryan ND, Diler RS. Concerns regarding the inclusion of temper dysregulation disorder with dysphoria in the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition. *J Clin Psychiatry*. 2011;72(9):1257-62. PMID: 3581329.
244. Axelson DA, **Birmaher B**, Strober MA, Goldstein BI, Ha W, Gill MK, Goldstein TR, Yen S, Hower H, Hunt JI, Liao F, Iyengar S, Dickstein D, Kim E, Ryan ND, Frankel E, Keller MB. Course of subthreshold bipolar disorder in youth: diagnostic progression from bipolar disorder not otherwise specified. *J Am Acad Child Adolesc Psychiatry*. 2011;50(10):1001-16 e3. PMID: 3185249.
245. Bella T, Goldstein T, Axelson D, Obreja M, Monk K, Hickey MB, Goldstein B, Brent D, Diler RS, Kupfer D, Sakolsky D, **Birmaher B**. Psychosocial functioning in offspring of parents with bipolar disorder. *J Affect Disord*. 2011;133(1-2):204-11. PMID: 3131462.
246. **Birmaher B**. Remission of a mother's depression is associated with her child's mental health. *Am J Psychiatry*. 2011;168(6):563-5.
247. Diler RS, **Birmaher B**, Axelson D, Obreja M, Monk K, Hickey MB, Goldstein B, Goldstein T, Sakolsky D, Iyengar S, Brent D, Kupfer D. Dimensional psychopathology in offspring of parents with bipolar disorder. *Bipolar Disord*. 2011;13(7-8):670-8. PMID: 3226755.
248. Diwadkar VA, Goradia D, Hosanagar A, Mermon D, Montrose DM, **Birmaher B**, Axelson D, Rajarathinem R, Haddad L, Amirsadri A, Zajac-Benitez C, Rajan U, Keshavan MS. Working memory and attention deficits in adolescent offspring of schizophrenia or bipolar patients: comparing vulnerability markers. *Prog Neuropsychopharmacol Biol Psychiatry*. 2011;35(5):1349-54. PMID: 3126676.
249. Findling RL, Horwitz SM, **Birmaher B**, Kowatch RA, Fristad MA, Youngstrom EA, Frazier TW, Axelson D, Ryan N, Demeter CA, Depew J, Fields B, Gill MK, Deyling EA, Rowles BM, Arnold LE. Clinical characteristics of children receiving antipsychotic medication. *J Child Adolesc Psychopharmacol*. 2011;21(4):311-9. PMID: 3157745.
250. Frazier TW, Youngstrom EA, Horwitz SM, Demeter CA, Fristad MA, Arnold LE, **Birmaher B**, Kowatch RA, Axelson D, Ryan N, Gill MK, Findling RL. Relationship of persistent manic symptoms to the diagnosis of pediatric bipolar spectrum disorders. *J Clin Psychiatry*. 2011;72(6):846-53. PMID: 3242357.
251. Ginsburg GS, Kendall PC, Sakolsky D, Compton SN, Piacentini J, Albano AM, Walkup JT, Sherrill J, Coffey KA, Rynn MA, Keeton CP, McCracken JT, Bergman L, Iyengar S, **Birmaher B**, March J. Remission after acute treatment in children and adolescents with anxiety disorders: findings from the CAMS. *J Consult Clin Psychol*. 2011;79(6):806-13. PMID: 3371083.
252. Goldstein BI, Collinger KA, Lotrich F, Marsland AL, Gill MK, Axelson DA, **Birmaher B**. Preliminary findings regarding proinflammatory markers and brain-derived neurotrophic factor among adolescents with bipolar spectrum disorders. *J Child Adolesc Psychopharmacol*. 2011;21(5):479-84. PMID: 3205790.
253. Goldstein TR, Obreja M, Shamseddeen W, Iyengar S, Axelson DA, Goldstein BI, Monk K, Hickey MB, Sakolsky D, Kupfer DJ, Brent DA, **Birmaher B**. Risk for suicidal ideation among the offspring of bipolar parents: results from the Bipolar Offspring Study (BIOS). *Arch Suicide Res*. 2011;15(3):207-22. PMID:3361710.
254. Gregory AM, Cousins JC, Forbes EE, Trubnick L, Ryan ND, Axelson DA, **Birmaher B**, Sadeh A, Dahl RE. Sleep items in the child behavior checklist: a comparison with sleep diaries, actigraphy, and polysomnography. *J Am Acad Child Adolesc Psychiatry*. 2011;50(5):499-507. PMID: 3581333.
255. Ladouceur CD, Farchione T, Diwadkar V, Pruitt P, Radwan J, Axelson DA, **Birmaher B**, Phillips ML. Differential patterns of abnormal activity and connectivity in the amygdala-prefrontal circuitry in bipolar-I and bipolar-NOS youth. *J Am Acad Child Adolesc Psychiatry*. 2011;50(12):1275-89 e2.
256. Lynch FL, Dickerson JF, Clarke G, Vitiello B, Porta G, Wagner KD, Emslie G, Asarnow JR, Jr., Keller MB, **Birmaher B**, Ryan ND, Kennard B, Mayes T, DeBar L, McCracken JT, Strober M, Suddath RL, Spirito A,

- Onorato M, Zelazny J, Iyengar S, Brent D. Incremental cost-effectiveness of combined therapy vs medication only for youth with selective serotonin reuptake inhibitor-resistant depression: treatment of SSRI-resistant depression in adolescents trial findings. *Arch Gen Psychiatry*. 2011;68(3):253-62.
257. Mendenhall AN, Demeter C, Findling RL, Frazier TW, Fristad MA, Youngstrom EA, Arnold LE, **Birmaher B**, Gill MK, Axelson D, Kowatch RA, Horwitz SM. Mental health service use by children with serious emotional and behavioral disturbance: results from the LAMS study. *Psychiatr Serv*. 2011;62(6):650-8. PMID: 3243362.
258. Olino TM, Gillo S, Rowe D, Palermo S, Nuhfer EC, **Birmaher B**, Gilbert AR. Evidence for successful implementation of exposure and response prevention in a naturalistic group format for pediatric OCD. *Depress Anxiety*. 2011;28(4):342-8. PMID: 3207204.
259. Olino TM, McMakin DL, Dahl RE, Ryan ND, Silk JS, **Birmaher B**, Axelson DA, Forbes EE. "I won, but I'm not getting my hopes up": depression moderates the relationship of outcomes and reward anticipation. *Psychiatry Res*. 2011;194(3):393-5. PMID: 3225637.
260. Sakolsky DJ, Perel JM, Emslie GJ, Clarke GN, Wagner KD, Vitiello B, Keller MB, **Birmaher B**, Asarnow JR, Ryan ND, McCracken JT, Strober MJ, Iyengar S, Porta G, Brent DA. Antidepressant exposure as a predictor of clinical outcomes in the Treatment of Resistant Depression in Adolescents (TORDIA) study. *J Clin Psychopharmacol*. 2011;31(1):92-7. PMID: 3603695.
261. Shamseddeen W, Asarnow JR, Clarke G, Vitiello B, Wagner KD, **Birmaher B**, Keller MB, Emslie G, Iyengar S, Ryan ND, McCracken JT, Porta G, Mayes T, Brent DA. Impact of physical and sexual abuse on treatment response in the Treatment of Resistant Depression in Adolescent Study (TORDIA). *J Am Acad Child Adolesc Psychiatry*. 2011;50(3):293-301. PMID: 3073648.
262. Shamseddeen W, Clarke G, Wagner KD, Ryan ND, **Birmaher B**, Emslie G, Asarnow JR, Porta G, Mayes T, Keller MB, Brent DA. Treatment-resistant depressed youth show a higher response rate if treatment ends during summer school break. *J Am Acad Child Adolesc Psychiatry*. 2011;50(11):1140-8. PMID: 3658110.
263. Silk JS, Forbes EE, Whalen DJ, Jakubcak JL, Thompson WK, Ryan ND, Axelson DA, **Birmaher B**, Dahl RE. Daily emotional dynamics in depressed youth: a cell phone ecological momentary assessment study. *J Exp Child Psychol*. 2011;110(2):241-57. PMID: 3061240.
264. Vitiello B, Emslie G, Clarke G, Wagner KD, Asarnow JR, Keller MB, **Birmaher B**, Ryan ND, Kennard B, Mayes TL, DeBar L, Lynch F, Dickerson J, Strober M, Suddath R, McCracken JT, Spirito A, Onorato M, Zelazny J, Porta G, Iyengar S, Brent DA. Long-term outcome of adolescent depression initially resistant to selective serotonin reuptake inhibitor treatment: a follow-up study of the TORDIA sample. *J Clin Psychiatry*. 2011;72(3):388-96. PMID: 3070064.
265. Woldu H, Porta G, Goldstein T, Sakolsky D, Perel J, Emslie G, Mayes T, Clarke G, Ryan ND, **Birmaher B**, Wagner KD, Asarnow JR, Keller MB, Brent D. Pharmacokinetically and clinician-determined adherence to an antidepressant regimen and clinical outcome in the TORDIA trial. *J Am Acad Child Adolesc Psychiatry*. 2011;50(5):490-8. PMID: 3621085.
266. Arnold LE, Mount K, Frazier T, Demeter C, Youngstrom EA, Fristad MA, **Birmaher B**, Horwitz S, Findling RL, Kowatch R, Axelson D. Pediatric bipolar disorder and ADHD: Family history comparison in the LAMS clinical sample. *J Affect Disord*. 2012. PMID: 3574899.
267. Axelson D, Findling RL, Fristad MA, Kowatch RA, Youngstrom EA, Horwitz SM, Arnold LE, Frazier TW, Ryan N, Demeter C, Gill MK, Hauser-Harrington JC, Depew J, Kennedy SM, Gron BA, Rowles BM, **Birmaher B**. Examining the proposed disruptive mood dysregulation disorder diagnosis in children in the Longitudinal Assessment of Manic Symptoms study. *Journal of Clinical Psychiatry*. 2012; 73(10):1342-50. PMID: PMC3581334.
268. Ballester J, Goldstein T, Goldstein B, Obreja M, Axelson D, Monk K, Hickey M, Iyengar S, Farchione T, Kupfer DJ, Brent D, **Birmaher B**. Is bipolar disorder specifically associated with aggression? *Bipolar Disord*. 2012;14(3):283-90. PMID: 3342837.

269. Cox LJ, Stanley BH, Melhem NM, Oquendo MA, **Birmaher B**, Burke A, Kolko DJ, Zelazny JM, Mann JJ, Porta G, Brent DA. Familial and individual correlates of nonsuicidal self-injury in the offspring of mood-disordered parents. *J Clin Psychiatry*. 2012;73(6):813-20. PMID: 3545478.
270. Cox LJ, Stanley BH, Melhem NM, Oquendo MA, **Birmaher B**, Burke A, Kolko DJ, Zelazny JM, Mann JJ, Porta G, Brent DA. A longitudinal study of nonsuicidal self-injury in offspring at high risk for mood disorder. *J Clin Psychiatry*. 2012;73(6):821-8. PMID: 3563355.
271. Forbes EE, Stepp SD, Dahl RE, Ryan ND, Whalen D, Axelson DA, **Birmaher B**, Silk JS. Real-world affect and social context as predictors of treatment response in child and adolescent depression and anxiety: an ecological momentary assessment study. *J Child Adolesc Psychopharmacol*. 2012;22(1):37-47. PMID: 3281286.
272. Fristad MA, Frazier TW, Youngstrom EA, Mount K, Fields BW, Demeter C, **Birmaher B**, Kowatch RA, Arnold LE, Axelson D, Gill MK, Horwitz SM, Findling RL. What differentiates children visiting outpatient mental health services with bipolar spectrum disorder from children with other psychiatric diagnoses? *Bipolar Disord*. 2012; 14: 497-506. PMID: 3407300.
273. Geller B, Luby JL, Joshi P, Wagner KD, Emslie G, Walkup JT, Axelson DA, Bolhofner K, Robb A, Wolf DV, Riddle MA, **Birmaher B**, Nusrat N, Ryan ND, Vitiello B, Tillman R, Lavori P. A Randomized Controlled Trial of Risperidone, Lithium, or Divalproex Sodium for Initial Treatment of Bipolar I Disorder, Manic or Mixed Phase, in Children and Adolescents. *Arch Gen Psychiatry*. 2012.
274. Goldstein BI, **Birmaher B**. Prevalence, Clinical Presentation and Differential Diagnosis of Pediatric Bipolar Disorder. *Isr J Psychiatry Relat Sci*. 2012;49(1):3-14.
275. Goldstein TR, Ha W, Axelson DA, Goldstein BI, Liao F, Gill MK, Ryan ND, Yen S, Hunt J, Hower H, Keller M, Strober M, **Birmaher B**. Predictors of Prospectively Examined Suicide Attempts Among Youth With Bipolar Disorder. *Arch Gen Psychiatry*. 2012; 1-10.
276. Horwitz S, Demeter C, Hayden M, Storfer-Isser A, Frazier TW, Fristad MA, Arnold LE, Youngstrom EA, **Birmaher B**, Axelson D, Findling RL. Parents' Perceptions of Benefit of Children's Mental Health Treatment and Continued Use of Services. *Psychiatr Serv*. 2012; 63(8):793-801. PMID: 3448336.
277. Ladouceur CD, Slifka JS, Dahl RE, **Birmaher B**, Axelson DA, Ryan ND. Altered error-related brain activity in youth with major depression. *Dev Cogn Neurosci*. 2012;2(3):351-62. PMID: 3369189.
278. Maalouf FT, Porta G, Vitiello B, Emslie G, Mayes T, Clarke G, Wagner KD, Asarnow JR, Spirito A, Keller M, **Birmaher B**, Ryan N, Shamseddeen W, Iyengar S, Brent D. Do sub-syndromal manic symptoms influence outcome in treatment resistant depression in adolescents? A latent class analysis from the TORDIA study. *J Affect Disord*. 2012;138(1-2):86-95.
279. McMakin DL, Olino TM, Porta G, Dietz LJ, Emslie G, Clarke G, Wagner KD, Asarnow JR, Ryan ND, **Birmaher B**, Shamseddeen W, Mayes T, Kennard B, Spirito A, Keller M, Lynch FL, Dickerson JF, Brent DA. Anhedonia predicts poorer recovery among youth with selective serotonin reuptake inhibitor treatment-resistant depression. *J Am Acad Child Adolesc Psychiatry*. 2012;51(4):404-11.
280. Mourao-Miranda J, Oliveira L, Ladouceur CD, Marquand A, Brammer M, **Birmaher B**, Axelson D, Phillips ML. Pattern recognition and functional neuroimaging help to discriminate healthy adolescents at risk for mood disorders from low risk adolescents. *PLoS One*. 2012;7(2):e29482. PMID: 3280237.
281. Sakolsky D, **Birmaher B**. Developmentally informed pharmacotherapy for child and adolescent depressive disorders. *Child Adolesc Psychiatr Clin N Am*. 2012;21(2):313-25, viii.
282. Sala R, Axelson DA, Castro-Fornieles J, Goldstein TR, Goldstein BI, Ha W, Liao F, Gill MK, Iyengar S, Strober MA, Yen S, Hower H, Hunt JI, Dickstein DP, Ryan ND, Keller MB, **Birmaher B**. Factors associated with the persistence and onset of new anxiety disorders in youth with bipolar spectrum disorders. *J Clin Psychiatry*. 2012, 73(1):87-94.

283. Shamseddeen W, Clarke G, Keller MB, Wagner KD, **Birmaher B**, Emslie G, Ryan N, Asarnow JR, Porta G, Brent DA. Adjunctive Sleep Medications and Depression Outcome in the Treatment of Serotonin-Selective Reuptake Inhibitor Resistant Depression in Adolescents Study. *J Child Adolesc Psychopharmacol*. 2012.
284. Speranza M, Pham-Scottez A, Revah-Levy A, Barbe RP, Perez-Diaz F, **Birmaher B**, Corcos M. Factor structure of borderline personality disorder symptomatology in adolescents. *Can J Psychiatry*. 2012;57(4):230-7.
285. Vitiello B, Riddle MA, Yenokyan G, Axelson DA, Wagner KD, Joshi P, Walkup JT, Luby J, **Birmaher B**, Ryan ND, Emslie G, Robb A, Tillman R. Treatment moderators and predictors of outcome in the treatment of early age mania (TEAM) study. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2012; 51(9):867-78. PMID: 3427533.
286. Belleau EL, Phillips ML, **Birmaher B**, Axelson DA, Ladouceur CD. Aberrant executive attention in unaffected youth at familial risk for mood disorders. *Journal of Affective Disorders*, 2013 May;147(1-3):397-400. PMID: 3526671.
287. **Birmaher B**. Bipolar disorder in children and adolescents. *Child and Adolescent Mental Health*. 2013 Feb;52(2):116-8.
288. **Birmaher B**. Psychotherapy for youth at risk for bipolar disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013 Feb;52(2):206-7.
289. **Birmaher B**, Goldstein BI, Axelson DA, Monk K, Hickey MB, Fan J, Iyengar S, Ha W, Diler RS, Goldstein T, Brent D, Ladouceur CD, Sakolsky D, Kupfer DJ. Mood lability among offspring of parents with bipolar disorder and community controls. *Bipolar Disorders*. 2013 May;15(3):253-63.
290. Brent DA, Miller MJ, Loeber R, Mulvey EP, **Birmaher B**. Ending the silence on gun violence. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013 Apr; 52(4):333-8.
291. Caporino NE, Brodman DM, Kendall PC, Albano AM, Sherrill J, Piacentini J, Sakolsky D, **Birmaher B**, Compton SN, Ginsburg G, Rynn M, McCracken J, Gosch E, Keeton C, March J, Walkup JT. Defining treatment response and remission in child anxiety: signal detection analysis using the pediatric anxiety rating scale. *J Am Acad Child Adolesc Psychiatry*. 2013 Jan;52(1):57-67. PMID: 3616384.
292. Diler RS, Ladouceur CD, Segreti AM, Almeida JRC, **Birmaher B**, Axelson DA, Phillips ML, Pan L. Neural correlates of treatment in depressed bipolar adolescents during emotion processing. *Brain Imaging and Behaviors*. 2013 Jun;7(2):227-35.
293. Hafeman D, Axelson D, Demeter C, Findling RL, Fristad MA, Kowatch RA, Youngstrom EA, Horwitz SM, Arnold LE, Frazier TW, Ryan N, Gill MK, Hauser-Harrington JC, Depew J, Rowles BM, **Birmaher B**. Phenomenology of bipolar disorder not otherwise specified in youth: a comparison of clinical characteristics across the spectrum of manic symptoms. *Bipolar Disorders*. 2013 May;15(3):240-52.
294. Hariz N, Bawab S, Atwi M, Tavitian L, Zeinoun P, Khani M, **Birmaher B**, Nahas Z, Maalouf FT. Reliability and validity of the Arabic Screen for Child Anxiety Related Emotional Disorders (SCARED) in a clinical sample. *Psychiatry Res*. 2013.
295. Hilton RC, Rengasamy M, Mansoor B, He J, Mayes T, Emslie GJ, Porta G, Clarke GN, Wagner KD, **Birmaher B**, Keller MB, Ryan N, Shamseddeen W, Asarnow JR, Brent DA. Impact of treatments for depression on comorbid anxiety, attentional, and behavioral symptoms in adolescents with selective serotonin reuptake inhibitor-resistant depression. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013 May;52(5):482-92.
296. Hunt JI, Case BG, **Birmaher B**, Stout RL, Dickstein DP, Yen S, Goldstein TR, Goldstein BI, Axelson DA, Hower H, Strober M, Ryan N, Swenson L, Topor DR, Gill MK, Weinstock LM, Keller MB. Irritability and elation in a large bipolar youth sample: relative symptom severity and clinical outcomes over 4 years. *J Clin Psychiatry*. 2013 Jan;74(1):e110-7. PMID: PMC3600607.

297. Keeton CP, Ginsburg GS, Drake KL, Sakolsky D, Kendall PC, **Birmaher B**, Albano AM, March JS, Rynn M, Piacentini J, Walkup JT. Benefits of Child-focused Anxiety Treatments for Parents and Family Functioning. *Depress Anxiety*. 2013.
298. Ladouceur CD, Diwadkar VA, White R, Bass J, **Birmaher B**, Axelson DA, Phillips ML. Fronto-limbic function in unaffected offspring at familiar risk for bipolar disorder during an emotional working memory paradigm. *Dev Cogn Neurosci*. 2013 Mar;5C:185-96.
299. Lopez-Castroman J, Melhem N, **Birmaher B**, Greenhill L, Kolko D, Sanley B, Zelazny J, Brodsky B, Garcia-Nieto R, Burke AK, Mann JJ, Brent DA, Oquendo MA. Early childhood sexual abuse increases suicidal intent. *World Psychiatry*. 2013 12:149-154.
300. Mansoor B, Regasamy M, Hilton R, Porta G, He J, Spirito A, Emslie GJ, Mayes TL, Clarke G, Wagner KD, Shamseddeen W, **Birmaher B**, Ryan N, Brent D. The bidirectional relationship between body mass index and treatment outcome in adolescents with treatment-resistant depression. *Journal of Child and Adolescent Psychopharmacology* 2013 23:458-67.
301. Podell JL, Kendall PC, Gosch E, Compton S, March J, Albano AM, Rynn M, Walkup J, Sherrill J, Ginsburg G, Keeton C, **Birmaher B**, Piacentini JC. Cognitive behavioral therapy for anxious youth: Therapist variables and child treatment outcome. *Professional Psychology: Research and Practice* 2013 44:89-98.
302. Rengasamy M, Mansoor BM, Hilton R, Porta G, He J, Emslie GJ, Mayes T, Clarke GN, Wagner KD, Keller MB, Ryan ND, **Birmaher B**, Shamseddeen W, Asarnow JR, Brent DA. The bi-directional relationship between parent-child conflict and treatment outcome in treatment-resistant adolescent depression. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013 Apr;52(4):370-7.
303. Topor DR, Swenson L, Hunt JJ, **Birmaher B**, Strober M, Yen S, Hoepfner BB, Case BG, Hower H, Weinstock LM, Ryan N, Goldstein B, Goldstein T, Gill MK, Axelson D, Keller M. Manic symptoms in youth with bipolar disorder: Factor analysis by age of symptom onset and current age. *Journal of Affective Disorders*, 2013 Mar 5;145(3):409-12. PMID: 3535567.
304. Towbin K, Axelson D, Leibenluft E, **Birmaher B**. Differentiating bipolar disorder-not otherwise specified and severe mood dysregulation. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013 May; 52(5): 466-81.
305. Vitiello B, Riddle MA, Gayane Yenokyan, Axelson DA, **Birmaher B**, Ryan ND, Wagner KD, Joshi P, Robb A, Walkup JT, Luby J, Rebecca Tillman, Emslie G. Dr. Vitiello et al. reply. *J Am Acad Child Adolesc Psychiatry*. 2013 Feb;52(2):206-7.
306. Yatham LN, Kennedy SH, Parikh SV, Schaffer A, Beaulieu S, Alda M, O'Donovan C, Macqueen G, McIntyre RS, Sharma V, Ravindran A, Young LT, Milev R, Bond DJ, Frey BN, Goldstein BI, Lafer B, **Birmaher B**, Ha K, Nolen WA, Berk M. Canadian Network for Mood and Anxiety Treatments (CANMAT) and International Society for Bipolar Disorders (ISBD) collaborative update of CANMAT guidelines for the management of patients with bipolar disorder: update 2013. *Bipolar Disord*. 2013 Feb;15(1):1-44.
307. Blossom JB, Ginsburg GS, **Birmaher B**, Walkup JT, Kendall PC, Keeton CP, Langley AK, Piacentini JC, Sakolsky D, Albano AM. Parental and family factors as predictors of threat bias in anxious youth. *Cognitive Therapy and Research*. (in press).
308. Gordon-Hollingsworth AT, Ginsburg GS, Compton SN, March JS, **Birmaher B**, Sakolsky DJ, Piacentini J, Walkup JT, Kendall PC, Keeton C, Suveg CM. Anxiety disorders in caucasian and african american children: A comparison of clinical characteristics, treatment process variables, and treatment outcomes. *Journal of the American Academy of Child and Adolescent Psychiatry*. (in press).
309. Holm SM, Forbes EE, Ryan ND, Axelson DA, **Birmaher B**, Trubnick L, Jakubcak J, Dahl RE. Developmental changes in sleep may differ in adolescents with affective psychopathology. *Journal of the American Academy of Child and Adolescent Psychiatry*. (in press).
310. Hower H, Case B, Hoepfner B, Yen S, Goldstein T, Goldstein B, **Birmaher B**, Weinstock W, Topor D, Hunt J,

Strober M, Ryan N, Axelson D, Gill MK, Keller MB. Mental health treatment in transition age bipolar youth. *Journal of Psychiatric Practice*. (in press).

311. Perlman SB, Fournier JC, Bebko G, Bertocci MA, Hinze AK, Bonar L, Almeida JRC, Versace A, Schirda C, Travis M, Gill MK, Demeter C, Diwadkar VA, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Arnold LE, Fristad MA, Youngstrom EA, Findling RL, Phillips ML. Emotional face processing in pediatric bipolar disorder: Evidence for functional impairments in the fusiform gyrus. *Journal of the American Academy of Child and Adolescent Psychiatry*. (in press).

BOOKS/BOOK CHAPTERS:

1. Belmaker RH, Lerer B, Zohar J, **Birmaher B**: Comparison of receptor and adenylate cyclase theories of lithium action. In: Developments in Psychiatry, Vol. 5, Biological Psychiatry, Perris C, Struwe G, and Jansson R (Eds), 1981.
2. **Birmaher B**, Greenhill L, Stanley M: Biochemical studies of suicide. In: Application of Basic Neuroscience to Child Psychiatry, Deutsch S, Weizman A, and Weizman R (Eds.). Plenum Publishing Corporation, 1991.
3. **Birmaher B**, Williams D: Acquired brain disorders. In: Child and Adolescent Psychiatry: A Comprehensive Textbook, Lewis M (Ed.), Williams and Wilkins, Baltimore, 1991.
4. **Birmaher B**, Williams D: Traumatic brain injury in children and adolescents. In: Neuropsychiatry of Traumatic Brain Injury, Silver JM, Yudofsky SC, and Hales RE (Eds.) American Psychiatric Press, Inc., London, England, pp. 393-412, 1993.
5. **Birmaher B**, Williams D: Acquired brain disorders. In: Child and Adolescent Psychiatry: A Comprehensive Textbook, Lewis, M. (Ed.), Williams and Wilkins, Baltimore, 1994.
6. Brent DA, Ryan ND, Dahl RE, **Birmaher B**: Early-Onset Mood Disorder. In: Psychopharmacology: The Fourth Generation of Progress, Floyd E. Bloom and David J. Kupfer (Eds.), Raven Press, Ltd.: New York, pp. 1631-1642, 1995.
7. Quintana H, **Birmaher B**.: Psychopharmacological treatment for children and adolescents. In: Advanced Abnormal Child Psychology, Hersen M, and Ammerman RT (Eds.), Lawrence Erlbaum Associates, Publishers, Hillsdale, NJ, 1995.
8. **Birmaher B**, Williams D: Acquired brain disorders. In: Child and Adolescent Psychiatry: A Comprehensive Textbook, Lewis M (Ed.) Williams and Wilkins, Baltimore, 1996.
9. **Birmaher B**: Anxiety disorders in children and adolescents. In: Pediatric Textbook (5th Edition). Menghello J and Grau A (Eds), Buenos Aires, 1996.
10. **Birmaher B** and Villar L: Anxiety disorders in children and adolescents. In: Psychiatric Textbook. Grau A (Ed), Santiago, Chile, 1996.
11. **Birmaher B**, Ryan ND, Williamson DE: Childhood and Adolescent Depression: Clinical Features and Pathogenesis. In: Mood Disorders Throughout the Life Span. Shulman K, Tohen M, Kutcher S (Eds.), John Wiley and Sons, Inc., New York, 1996.
12. Brent DA, Roth CM, Holder DP, Kolko DJ, **Birmaher B**, Johnson BA, Schweers JA: Psychosocial Interventions for Treating Adolescent Suicidal Depression: A Comparison of Three Psychosocial Interventions. In: Psychosocial Treatments for Child and Adolescent Disorders: Empirically Based Strategies for Clinical Practice., Hibbs E, and Jensen PS (Eds), Washington, D.C., American Psychological Association , pp, 187-206, 1996.
13. **Birmaher B**, and Axelson D: Depressive Disorders in Children and Adolescents. In: Gale Encyclopedia of Childhood and Adolescence: Kagan J (Ed), East Word Publications Development, Inc., pp. 207-211, 1998.

14. Brent DA, Holder D, Kolko D, **Birmaher B**, Baugher M, Roth C, Johnson B: A clinical psychotherapy trial for adolescent depression comparing cognitive, family, and supportive therapy. Cited in the Current Literature section of Ambulatory Child Health, 4:250, 1998.
15. Brent DA, Ryan N, Dahl R, **Birmaher B**: Early-onset affective illness. In: S.J. Watson, A Deutch (eds), Psychopharmacology: The Fourth Generation of Progress CD-ROM, Philadelphia, PA, Lippincott-Raven Publishers, 1998.
16. Brent DA, **Birmaher B**, Campo J: Major Psychiatric Disorders in Childhood and Adolescence. In: MD Levine, WB Carey, AC Crocker (3rd ed.), Developmental-Behavioral Pediatrics, Philadelphia, PA, W.B. Saunders Company, pp. 632-652, 1999.
17. **Birmaher B**, Brent D, and Heydl, P: Treatment of Childhood Onset Depressive Disorders. In: Treatment Algorithms in Clinical Psychopharmacology. Jobson K, Stein D, Fawcett J (Eds.), John Wiley and Sons, Ltd., New York, pp. 135-163, 1999.
18. **Birmaher B**, Ryan ND: Neurobiological factors in depressed children and adolescents. In: Depressive Disorders in Children and Adolescents: Epidemiology, Risk Factors, and Treatment. Essau CA and Petermann F (Eds), Jason Aronson, Inc., New Jersey, pp. 287-318, 1999.
19. Renaud J, Axelson D, **Birmaher B**: A risk-benefit assessment of pharmacotherapies for clinical depression in children and adolescents. In: Managing Depressive Disorders. Palmer K. (Ed.). Auckland: Adis International Ltd, pp 109-126, 2000.
20. Rey TM, **Birmaher B**: Trastorno bipolar. In: Planificación Terapéutica de Los Trastornos Psiquiátricos del Niño y del Adolescente. Gutierrez Casares JR and Sanchez FR (Coordinadores). Madrid: SmithKline Beecham, pp. 709-746, 2000.
21. Whitaker AH, **Birmaher B**, Williams D: Traumatic and Infectious Brain Injury in Children: Psychiatric Sequelae.
22. **Birmaher B**, Brent D: Pharmacotherapy for Depression in Children and Adolescents. In: D. Shaffer & BD Waslick (Eds.) The Many Faces of Depression in Children and Adolescents, Review of Psychiatry Series, Vol. 21, 2002.
23. Martinez-Rey T, **Birmaher B**, Gutierrez-Casares JR: Tratamiento De Los Trastornos Por Deficit De Atencion En Sujetos Con Trastorno Por Abuso De Sustancias. In: G. Rubio, F Lopez-Munoz, C Alamo, J Santo-Domingo (Eds.) Trastornos psiquiátricos y abuso de sustancias
24. **Birmaher B**, Brent D: Depressive disorders. In: A. Martin, L. Scahill, D. Charney, J. Leckman (Eds.) Pediatric Psychopharmacology. New York: Oxford University Press, 2003.
25. **Birmaher B**: New Hope for Children and Teens with Bipolar Disorder. New York, NY, Three Rivers Press, 2004.
26. **Birmaher B**, Ollendick TH: Childhood Onset Panic Disorder. In: T.H. Ollendick & J.S. March (Eds.) Phobic and anxiety disorders in children and adolescents: A clinician's guide to effective psychosocial and pharmacological interventions. New York: Oxford University Press, 2004.
27. Pilowsky DJ, Weissman MM, **Birmaher B**: Approaches to chronic depression in children and adolescents. In: JE Alpert & M Fava (editors): Handbook of Chronic Depression, Diagnosis and Therapeutic Management, New York: Marcel Dekker, pp. 339-362, 2004.
28. Ollendick T, **Birmaher B**, Mattis _: Panic Disorder. In: T.L. Morris and J.S. March (Eds.) Anxiety Disorders in Children and Adolescents, 2nd edition, New York, Guilford Publications, Inc., pp. 189-211, 2004.
29. **Birmaher B**: Bipolare und depressive Störungen im Kindes – und Jugendalter. In A. Marneros (Ed.) Das Neue Handbuch der Bipolaren und Depressiven Erkrankungen, Stuttgart, Germany, Georg Thieme Verlag Publications, pp. 573-590, 2004.

30. **Birmaher B**, Axelson D: Pediatric Psychopharmacology. In B.J Sadock and V.A. Sadock (Eds.) Comprehensive Textbook of Psychiatry, Eighth Edition (Vol. II), New York, Lippincott Williams & Wilkins, pp. 3363-3376, 2004.
31. **Birmaher B**, Axelson D, Pavuluri M: Pediatric Bipolar Disorder. In A. Martin and F.R. Volkmar (Eds): Lewis' Child and Adolescent Psychiatric: A Comprehensive Textbook, Fourth Edition. Baltimore, MD: Lippincott Williams & Wilkins.
32. Rey J, **Birmaher B**: Treating Childhood Depression. Lippincott Williams & Wilkins, 2009.
33. **Birmaher B**, Brent DA: Treatment Resistant Depression. In J. Rey and B. Birmaher (Eds): Treating Childhood Depression. Lippincott Williams & Wilkins, 2009.
34. Sakolsky D, **Birmaher B**. Pharmacotherapy. In CA Essau (Ed.) Treatments for Adolescent Depression. New York: Oxford University Press, Inc., pp 241-260, 2009.
35. **Birmaher B**. Trouble bipolaire chez l'enfant et l'adolescent. In M Leboyer (Coordinator) Les troubles bipolaires : de la recherche á la pratique. Cycle des conférences de Chenevier 2008. Issy-les-Moulineaux : Elsevier Masson, pp 5-13, 2009.
36. **Birmaher B**, Brent DA. Depression and Dysthymia. In M. Dulcan (Ed.): Dulcan's Textbook of Child & Adolescent Psychiatry. Washington, DC: American Psychiatric Publishing, Inc., pp. 261-278, 2009.
37. Diler RS, **Birmaher B**, Miklowitz DJ. Clinical Presentation and Longitudinal Course of Bipolar Spectrum Disorders in Children and Adolescents. In D.J. Miklowitz and D. Cicchetti (Eds): Understanding Bipolar Disorder -A Developmental Psychopathology Perspective. New York: Guilford Press, pp. 135-165, 2010.
38. **Birmaher B**, Brent D. Assessment and treatment of child and adolescent depressive disorders. In A. Martin, L. Scahill and C.J. Kratochvil (Eds.): Pediatric Psychopharmacology Principles and Practice Second Edition. New York: Oxford University Press, Inc., pp. 453-465, 2010.
39. Diler RS, **Birmaher B**. Bipolar disorder in children and adolescents. In Rey JM (Ed.): IACAPAP e-Textbook of Child and Adolescent Mental Health. Geneva: International Association for Child and Adolescent Psychiatry and Allied Professions, 2012.
40. **Birmaher B**. Major depressive Disorders. In M. McVoy and R. Findling (Eds.): APPI Clinical Manual of Child and Adolescent Psychopharmacology, Second Edition. Washington, D.C., 2012.

SELECTED ABSTRACTS:

Birmaher B, Lerer B, Zohar J, Belmaker RH: Rapid mood cycling induced by antidepressant drugs. Abstracts of the 4th National Congress of Israel Psychiatric Association, Jerusalem, 1982.

Lerer B, Rubin JK, **Birmaher B**, Belmaker RH: Electroconvulsive shock and Lithium side effects on Dopamine and β -adrenergic receptors in rat brain. Abstracts of the 13th International College of Neuropsychopharmacology (CINP), 1982.

Birmaher B, Greenhill L, Cooper T, Fried J, Torres D, Maminski B: Sustained release methylphenidate: Pharmacokinetics in ADD/H male patients. Presented at the 1987 Annual Meeting of the American Academy of Child Psychiatry, 1987.

Pleak R, **Birmaher B**, Gavrilescu A, Abichandani C: Mania and neuropsychiatric excitation following carbamazepine in children and adults. Presented at the Annual Meeting of the American Academy of Child Psychiatry, 1987.

Ryan N, Puig-Antich J, Dahl R, Meyer V, **Birmaher B**, Thomas C, Coleman C, Brent D, Perel J: Growth hormone test in prepubertal major depression. Abstracts of the 36th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New York, NY, 1989.

- Birmaher B**, Puig-Antich J, Ryan N, Dahl R, Meyer V, Thomas C, Coleman, C, Brent D, and Perel J: 5-HTP challenge test in children with Major Depressive Disorder. Abstracts of the 36th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New York, NY, 1989.
- Birmaher B**, Dahl R, Ryan N., Perel, J., Puig-Antich, J: Serotonergic effects on cortisol secretory patterns in depressed children. Second Meeting Society for Research on Biological Rhythms, May 9-13, Jacksonville, FL, 1990.
- Dahl R, Ryan N, **Birmaher B**, Meyer V, Nguyen N, Coleman C, Thomas C, Perel J, Garcia M, Waterman GS, Weller E, Emslie G, Kutcher S: Cortisol and dexamethasone suppression test measures in child and adolescent depression: Is there clinical relevance? Abstracts of the 37th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago IL, October 1990.
- Birmaher B**, Ryan N, Dahl, R, Perel J, Williamson D, Nguyen N, Nelson B, Puig-Antich J: Corticotrophin releasing hormone challenge test in psychiatry. Abstracts of the 39th Annual American Academy of Child and Adolescent Psychiatry Meeting, Washington DC, October 1992.
- Birmaher B**, Rabin B, Garcia M, Jain U, Williamson D, Al-Shabbout M, Nelson B, Dahl, R, Ryan N: Cellular immune response in adolescents with major depression, conduct disorder, normal controls: Role of adverse life events. Fifth Annual Meeting of the Society for Research in Child and Adolescent Psychopathology, Santa Fe, New Mexico, February, 1993.
- Birmaher B**, Ryan N, Dahl R, Perel J, Williamson D, Nelson B, Nguyen N, Puig-Antich J: Corticotropin releasing hormone challenge test in children with major depression and normal controls. 48th Annual Convention of the Society of Biological Psychiatry, San Francisco, California, May, 1993.
- Dahl RE, Ryan ND, **Birmaher B**, Perel J: Sleep and cortisol measures in child and adolescent depression. 48th Annual Convention of the Society of Biological Psychiatry, San Francisco, California, May, 1993.
- Ryan ND, Dahl RE, **Birmaher B**, Perel J: Psychobiology of child and adolescent depression. 48th Annual Convention of the Biological Psychiatry, San Francisco, California, May, 1993.
- Birmaher B**: SSRI treatment in adolescent depression: The fluoxetine experience. Depression Consortium, Bradgate Arms Hotel, Toronto, Ontario, Canada, September 19-21, 1993.
- Birmaher B**: Clozapine: Clinical methods for use in adolescent schizophrenia. 40th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Antonio Texas, October, 1993.
- Birmaher B**: Life events in depressed, conduct disorder, and normal adolescents. 40th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Antonio Texas, October, 1993.
- Birmaher B**: TCAs for the treatment of children and adolescents with major depressive disorder. 40th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Antonio Texas, October, 1993.
- Birmaher B**, Brent D, et al: A psychotherapeutic trial for adolescents with MDD. Society for Research in Child and Adolescent Psychopathology (SRCAP) Conference, London, June, 1994.
- Birmaher B**: CBT with suicidal youth. Child and Adolescent Depression Consortium, Omni Biltmore Hotel, Providence, Rhode Island, September, 1994.
- Birmaher B**, Williamson D, Anderson B, Frank E: Frank E: Life events in depressed and normal adolescents using the Life Events and Difficulties Schedule, Depression Consortium, Pittsburgh, PA 1995.
- Birmaher B**: Treatment of adolescents with MDD, Affective Disorders Symposium, Jerusalem, 1995.
- Birmaher B**: Fluoxetine treatment of children and adolescents with resistant anxiety disorders: An Open Study, 15th National Conference, Anxiety Disorders Association of America, Pittsburgh, PA, April 1995.

- Brent DA, **Birmaher B**, Holder D, Johnson B, Kolko D: A clinical psychotherapy trial for adolescent major depression. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Birmaher B**, Brent D, Holder D, Johnson B, Kolko: A Clinical Psychotherapy trial of adolescent major depression: Group differences. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Holder D, **Birmaher B**, Brent D, Johnson B, Kolko D: Family factors in treatment of adolescent depression. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Kaufman J, Ryan N, **Birmaher B**, Dahl R, Perel J, Moreci P, Nelson B: L-5-HTP in maltreated depressed children. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Kaufman J, **Birmaher B**, Dahl R, Perel J, Moreci P, Nelson B, Wells W, Ryan N: Corticotropin releasing hormone (CRH) in maltreated depressed children. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- DeBellis MD, Baum A, **Birmaher B**, Kaufman J, Perel J: Urinary catecholamine excretion in prepubertal overanxious and posttraumatic stress disorder. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Wilens T, Biederman J, Baldessarini R, Geller B, Spencer T, **Birmaher B**, Schleifer D, Goldblatt A: Cardiovascular effects of tricyclic antidepressants (TCAs) in children and adolescents: A survey of the literature. 42nd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New Orleans, Louisiana, October, 1995.
- Brent D, **Birmaher B**: Mood and anxiety disorders: Efficacious psychopharmacologic and psychotherapeutic approaches. Institute (Co-Chair) 43rd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Philadelphia, PA October, 1996.
- Beers SR, Rosenberg DR, Williams T, Dick E, O'Hearn K, **Birmaher B**, Ryan N: Neuropsychological characteristics of obsessive-compulsive disorder (OCD) in children. 43rd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Philadelphia, PA, October, 1996.
- Birmaher B**: Pharmacological treatment of depressive disorders in children and adolescents. 44th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Canada, October, 1997.
- Kaufman J, **Birmaher B**, Clayton S: K-SADS PL Training Workshop. 44th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Canada, October, 1997.
- Williamson DE, **Birmaher B**, Brent DA, Balach L, Dahl RE, Ryan ND: Atypical depression among unipolar depressed child and adolescent outpatients. 44th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Canada, October, 1997.
- Williamson DE, **Birmaher B**, Frank E, Anderson BP, Matty MK, Kupfer DJ: The nature of life events and difficulties in depressed adolescents. 44th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Canada, October, 1997.
- Birmaher B**: Pharmacological treatment for children and adolescents with anxiety disorder. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.
- Ryan, ND, **Birmaher B**, Dahl RE, Perel J: Serotonergic neuroendocrine challenge in depressed and high risk children. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.
- Birmaher B**: Use of tricyclic antidepressants for youth with major depressive disorder – To use or not to use. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.

Wagner DK, **Birmaher B**, Carlson G, Clarke G, Emslie G., Geller B, Gergel I, Keller MB, Klein R, Kutcher S, McCafferty JP, Papatheodorou G, Ryan ND, Strober M, Weller E: Multi-center trial of paroxetine and imipramine in the treatment of adolescent depression. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.

Birmaher B, Use of antidepressant medications for the treatment of children and adolescents with depressive disorders. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, California, October, 1998.

Averbach DH, Dahl RE, Williamson DE, **Birmaher B**, Kaufman J, Perel J, Ryan ND: Stimulatory challenge of growth hormone secretion in bipolar depressed children. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.

Ulloa RE, **Birmaher B**, Axelson D, Williamson D, Brent D, Ryan N: Clinical correlates of psychotic symptoms in a mood disorder clinic. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.

Axelson D, **Birmaher B**, Ulloa RE, Williamson D, Brent D, Ryan N: Bipolar children and adolescents from a mood disorder clinic. 45th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Anaheim, CA, October, 1998.

Wilens TE, **Birmaher B**, Cohen L, Frazier, J, March J, Spencer T, Walkup J: Advanced psychopharmacology: Contemporary issues in clinical care. 46th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, IL, October, 1999.

Straus J, **Birmaher B**, Chiappetta L, Axelson D, Brent D, Ryan N: Anxiety disorders in children with suicidal ideation and attempts. 46th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, IL, October, 1999.

Williamson D, Ryan ND, Dahl RE, **Birmaher B**, Al-Shabbout M: A family-genetic study of depressed children. 46th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, IL, October, 1999.

Duffy JN, Bridge J, Brent D, **Birmaher B**, Kolko D, Baugher M: Adolescent depression and family interactions: Effects on psychotherapy trial. 46th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, IL, October, 1999.

Wren FJ, Shaffer S, **Birmaher B**, Brent D, Beery L: Anxiety disorder in referrals within primary care: Screening and co-morbidity. 46th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, IL, October, 1999.

Birmaher B, McCafferty JP, Bellew KM, Beebe KL: Comorbid ADHD and other disruptive behavior disorders as predictors of response in adolescents treated for Major Depression. 2000 American Psychiatric Association Annual Meeting, Chicago, IL, May, 2000.

Emslie GJ, Wagner KD, **Birmaher B**, Gellar DA, Riddle MA, Carpenter DJ: Safety and Efficacy of paroxetine in the treatment of children and adolescents with OCD. 2000 American Psychiatric Association Annual Meeting, Chicago, IL, May, 2000.

Castilla RC, Gomez I, Castilla S, **Birmaher B**, Williamson DE: High Level of Anxiety: An Effect of War on Colombian Rural Children? 2000 American Academy of Child & Adolescent Psychiatry Annual Meeting, New York, NY, October, 2000.

Emslie, GJ, Wagner K, Riddle M, **Birmaher B**, Geller D, Rosenberg D, Gallagher D, Carpenter MS: Efficacy and Safety of Paroxetine in Juvenile OCD. 2000 American Academy of Child & Adolescent Psychiatry Annual Meeting, New York, NY, October, 2000.

Birmaher B: Research Update on Youth Suicidal Behavior in Bipolar Youth. Presented at the 48th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Honolulu, Hawaii, October 2001.

Birmaher B: Treatment of MDD and ADHD. Presented at the 48th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Honolulu, Hawaii, October 2001.

Birmaher B: Treatment of Depression in Children and Adolescents. Presented at the 50th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Miami, FL, October 2003.

Birmaher B: Course and Outcome of Bipolar Disorder in Youth. Presented at the 50th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Miami, FL, October 2003.

Birmaher B, Greenhill LL, Emslie GJ, Carlson GA, Rosenberg DR, La Via M, Hendren RL: Pharmacological Strategies for the Management of Children with Treatment Resistant Disorders. Presented at the 51st Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Washington, DC, October 2004.

Carlson GA, **Birmaher B**, Max J, Dickstein DP, Towbin K: Bipolar Spectrum Disorders: Unseen Comorbidities and Syndromes. Presented at the 51st Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Washington, DC, October 2004.

Pavuluri MN, Axelson DA, Youngstrom EA, **Birmaher B:** Rating Scales for Mania: Evidence-Based Clinical Application. Presented at the 51st Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Washington, DC, October 2004.

Greenhill LL, Hechtman L, Robb AS, March JS, Biederman J, Szatmari P, **Birmaher B**, Fassler D, Sarles RM: How are Practitioners using the Antidepressants and Adderall XR Drug Treatments in Light of New Regulatory Concern? Town Hall Meeting, AACAP/CACAP Joint Annual Meeting, Toronto, Canada, October 2005.

Kowatch RA, Luby JL, Scheffer RE, Pavuluri MN, Delgado S, **Birmaher B** (Discussant): Preschool Mania – Does It Exist? Discussant: Boris Birmaher. AACAP/CACAP Joint Annual Meeting, Toronto, Canada, October 2005.

Birmaher, B: Bipolar Offspring Study (BIOS) Children 6-18 Years Old. Symposium: Integrative High Risk Studies among the Offspring of Bipolar Parents. Duffy AC, Reichart C, **Birmaher B**, MacQueen GM, Chang KD, AACAP/CACAP Joint Annual Meeting, Toronto, Canada, October 2005.

Birmaher, B: Juvenile Depression. Institute I Advanced Psychopharmacology: Wilens TE, Solikhah R, Kowatch R, **Birmaher B**, Bernstein GA, Coffey BJ, Posey DJ. AACAP/CACAP Joint Annual Meeting, Toronto, Canada, October 2005.

Pilowsky DJ, Feder A, Roa U, Warner VS, Botteron KN, **Birmaher B** (Discussant): Clinical and Biological Outcomes in Children at High Risk for Depression. Discussant. AACAP/CACAP Joint Annual Meeting, Toronto, Canada, October 2005.

Birmaher B: Pediatric Bipolar Disorder-Longitudinal Outcome: Research Forum. Co-Chairs: Robert L. Findling, MD, Gabrielle Carlson MD, Robert Post MD. 53rd Annual Meeting of the AACAP, San Diego CA, October 2006.

Birmaher B, Findling RL, Axelson DA, Youngstrom EA, Fristad MA, Horwitz SM, Kowatch R, Arnold LE, Demeter CA, Gill MK, Fields B, Depew J, Kennedy SM, Marsh L, Rowles BM, Frazier TW, Ryan N. Outpatient Children with Manic Symptoms: Who Are They? Poster presented at the 57th Annual Meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY, October 2010.

Findling RL, Youngstrom EA, Fristad MA, **Birmaher B**, Kowatch R, Arnold LE, Frazier TW, Axelson D, Ryan N, Demeter CA, Gill MK, Fields B, Depew J, Kennedy SM, Marsh L, Rowles BM, Horwitz SM. The Longitudinal Assessment of Manic Symptoms (LAMS) Study: Methods and Cohort Ascertainment. Poster presented at the 57th Annual Meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY, October 2010.

Birmaher B: Pharmacological Management of Youth with Major Depressive Disorder. Presented at the Institute titled *Advanced Psychopharmacology for Clinical Practice (Timothy Wilens, MD)*, 57th Annual Meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY, October 2010.

Birmaher B, Axelson D, Gill MK, Goldstein B, Goldstein T, Ha W, Liao F, Strober M, Hower H, Yen S, Hunt J, Dickstein D, Kim E, Keller M: Teens with Bipolar Disorder Grew Up. Presented at symposium entitled *Dynamic*

Factors of Treatment in Pediatric Bipolar Disorder(Mani Pavuluri, MD), 57th Annual Meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY, October 2010.

Forbes EE, Olino TM, Ryan ND, **Birmaher B**, Axelson DA, Moyles DL, Dahl RE. Reward-related brain function as a predictor of treatment response in adolescents with depression. Poster presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA, November 2010.

Forbes EE, Ryan ND, **Birmaher B**, Axelson DA, Dahl RE. Developmental psychopathology of reward function and depression. In JH Gotlib & J Joormann (Chairs), *Risk Factors for Mood Disorders in Children and Adolescents: Integrating Psychological and Biological Perspectives*. Paper presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA, November 2010.

Forbes EE, Holm SM, Gregory A, Ryan ND, Axelson DA, **Birmaher B**, Dahl RE. Sleep and the developmental psychopathology of affective disorders during adolescence. In CL Weiner (Chair), *Sleep and Internalizing Disorders in Children and Adolescents*. Paper presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA, November 2010.

OTHER PUBLICATIONS:

1. Kaufman J, **Birmaher B**, Brent DA, Ryan ND, Rao U: K-SADS-PL (Letter). Journal of the American Academy of Child & Adolescent Psychiatry, 39(10):1208, 2000.
2. Chengappa KN, Axelson D, **Birmaher B**: Topiramate in the Management of Bipolar Disorder. Child & Adolescent Psychopharmacology News, 6(6):1-5, 2001. (non-refereed)
3. Castilla RC, **Birmaher B**, Perel JM.: Efectos cardiovasculares de los psicotropicicos. Clinicas Colombianas De Cardiologia, 3(2):221-237, 2001 (non-refereed)
4. **Birmaher, B**: Suicidality of Youth with Bipolar Disorder. Presentations in FOCUS: Research Update on Youth Suicidal Behavior, pp 7-9, 2002. (non-refereed)
5. **Birmaher, B**: Guest Editorial: New Approaches to Identifying and Limiting Pervasive and Devastating Suicidal Behavior in Adolescents. Presentations in FOCUS: Research Update on Youth Suicidal Behavior, pp 2-3, 2002. (non-refereed)
6. **Birmaher B**: Recognition and Treatment of Early-Onset Psychosis. Contemporary Psychiatry, Vol. 1(2):2002 (non-refereed)
7. **Birmaher B**, Dahl RE, Ryan ND, Williamson DE: The role of hypothalamic-pituitary-adrenal axis dysfunction in the attenuated growth hormone response in adolescents with familial loading for affective disorder (Letter). Archives of General Psychiatry, 59(2):186-7, 2002.
8. Brent DA, **Birmaher B**: British warnings on SSRIs questioned. (Letter to the Editor). Journal of the American Academy of Child and Adolescent Psychiatry, 43(4), 379-380, 2004.
9. **Birmaher B**, Brent D: Should we use antidepressants for the treatment of major depressive disorder in children and adolescents? Editorial, Revista Brasileira de Psiquiatria. 27(2):89-90, 2005.
10. **Birmaher B**, Bukstein OG: Guidelines Pocketcard for Depressive Disorders in Children and Adolescents. International Guidelines Center, American Academy of Child and Adolescent Psychiatry, 2010.
11. **Birmaher B**. Remission of a mother's depression is associated with her child's mental health. American Journal of Psychiatry, 168(6):563-5, 2011. PMID Journal – In Process.

PROFESSIONAL ACTIVITIES

TEACHING:

1976-1978 Continuous Medical Education for Rural Health Workers and Medical Students,
Colombia, South America

1979-1983	Supervision of Medical Students, Family Medicine and Psychiatry Residents, Haddasah Medical Hospital, Jerusalem, Israel
1979-1983	Biological Psychiatry Update, Courses dictated at the University Psychiatric Hospital, Cali, Colombia.
1983-1987	Supervision of Medical Students and Child Psychiatry Fellows, Colombia College of Medicine and New York Psychiatric Institute. Supervision of Medical Students, North Central Bronx Hospital Psychiatric Emergency Room. Supervision of Case Social Workers, Family Center, Yonkers, NY. In-service Training about Child Psychiatry Treatments for Social Workers, Psychologists, and Mental Health Workers. New York Psychiatric Institute and Colombia Presbyterian Hospital.
1988-1992	Supervision of Psychology Interns during rotation at Child Psychiatry Inpatient Services (WPIC).
1988-Present	Conferences and Supervision of Psychiatry Residents, WPIC In-services to Staff, WPIC Supervision and teaching clinical staff, residents, and medical students during their work and rotations, Child Outpatient Clinic, WPIC Supervision and teaching of foreign residents and child psychiatrists.
2004-Present	Clinical Mentor – Alicia Koplowitz Foundation (WPIC Department of Psychiatry collaborative program with the Koplowitz Foundation to train Spanish Fellows in Child and Adolescent Psychiatry)

OTHER

June 2003	Chair, American Academy of Child & Adolescent Psychiatry (AACAP) 28 th Annual Review Course in Child and Adolescent Psychiatry and Training Session for the Oral Exams
March 2007	Chair, American Academy of Child & Adolescent Psychiatry (AACAP) 2007 Annual Review Course in Child and Adolescent Psychiatry and Training Session for the Oral Exams

RESEARCH:

Current Grant Support:

<u>Grant Number</u>	<u>Grant Title</u>	<u>Role in Project</u>	<u>Years Inclusive</u>	<u>Source</u>
1 R01 MH073953	Longitudinal Assessment of Manic Symptoms (LAMS)	Boris Birmaher, MD Principal Investigator	2005-2015	NIMH
2 R01 MH59929	Course and Outcome for Bipolar Disorder in Youth (COBY)	Boris Birmaher, MD Principal Investigator	2006-2016	NIMH
2 R01 MH060952	Children of Bipolar Parents: A High-Risk Follow-Up	Boris Birmaher, M.D. Principal Investigator	2006-2016	NIMH

Study (BIOS)				
1 P50 MH080214 Total costs: \$1,286,413	Transdisciplinary Studies for CBT for Anxiety in Youth	Neal Ryan, MD Principal Investigator Boris Birmaher, MD Co-Investigator	2008-2013	NIMH
MH064003 Total Funds Requested \$871,125	Child/Adolescent Anxiety Multimodal Treatment Study (CAMELS)	Boris Birmaher, MD Principal Investigator	2010-2015	NIMH
R21 DA024144 Total Core Directs: \$1,285,495 Total Core Indirects: \$622,648	Mental Health Centers for Intervention Development and Applied Research (CIDAR) Transdisciplinary Studies of CBT for Anxiety in Youth	Neal Ryan, MD Principal Investigator Boris Birmaher, MD Co-Investigator Operations & Assessment Core	2008-2013	NIMH
Fine Foundation	The Pittsburgh Bipolar Offspring Study (BIOS) – A Pilot Study of Genetic Factors Associated with Bipolar Disorder	Boris Birmaher, MD Principal Investigator	2011-2013	Foundation
R21 DA024144 Total Core Directs: \$1,285,495 Total Core Indirects: \$622,648	Mental Health Centers for Intervention Development and Applied Research (CIDAR) Transdisciplinary Studies of CBT for Anxiety in Youth	Neal Ryan, MD Principal Investigator Boris Birmaher, MD Co-Investigator Operations & Assessment Core 5% effort	2008-2013	NIMH
R34 MH091177	Early Assessment and Intervention For Adolescents at Risk for Bipolar Disorder	Co-Investigator (Goldstein PI)	2011-2014	NIMH
R34 MH092424	Brief Motivational Intervention to Improve Medication Adherence for Adolescents with Bipolar Disorder	Co-Investigator (Goldstein PI)	2011-2014	NIMH
Foundation	Toward the Prevention of Suicide In Youth with Bipolar Disorder: A Prospective Study of the Temporal Association between Sleep Disturbance and Suicidality	Co-Investigator (Goldstein PI)	2010-2013	Foundation
<u>Prior Grant Support:</u>				
Mental Health CRC for Affective Disorders No. 175 Direct Costs: \$10,600	Cell Mediated Immune Response in Adolescents with Major Depressive Disorder, Conduct Disorder, and Normal Controls	Principal Investigator	1989-1991	WPIC
1 R29 MH46894- 01A1	Amitriptyline vs. Placebo in Adolescent Inpatients with	Principal Investigator	1991-1996	NIMH

First Award Direct Costs: \$349,849	Major Depressive Disorder			
PO1 MH41712-06 Direct costs over 5 years: \$4,726,276	Psychobiology of Depression in Children and Adolescents	Neal Ryan, Program Project Director Boris Birmaher, M.D., Clinical Core, Co-Director	1991-1996	NIMH
	<u>Project I:</u> Neurobiological Correlates of Depression: Predictive Validity, Specificity, and Localization of Abnormality	Boris Birmaher, M.D., Co-Principal Investigator		
	<u>Project III:</u> Biology and Family Adversity in Prepubertal Depression	Boris Birmaher, M.D., Co-Principal Investigator		
MH46510 FIRST Award Direct costs: \$206,935	EEG Sleep Changes in Adolescent Depression	FIRST Award to Ron Dahl, M.D., Boris Birmaher, M.D., Co-Investigator 5% effort	1990-1993	NIMH
IR01MH46500- 01A1 Direct costs: \$2,359,508	Depressed Adolescent Suicide Attempters: A Clinical Trial	David Brent, M.D., Principal Investigator Boris Birmaher, M.D., Co-Principal Investigator 10% effort	1991-1995	NIMH
46500-06 Direct costs: \$212,435	Adolescent Depression Treatment and Outcome	David Brent, M.D., Principal Investigator Boris Birmaher, M.D., Co-Principal Investigator 5% effort	1996-1997	NIMH
Direct costs: \$61,685	Adolescent Life Events and Depressive Illness	Boris Birmaher, M.D., Principal Investigator 15% effort	1993-1994	MacArthur Foundation
Direct costs: \$125,000	Life Events in Children and Adolescents	Boris Birmaher, M.D., Principal Investigator 15% effort	1995-1996	MacArthur Foundation
MH48879 Direct costs: \$1,012,441	Lithium Prophylaxis in Adolescent Bipolar Illness	Neal Ryan, M.D., Principal Investigator Boris Birmaher, M.D., Co-Principal Investigator 10% effort	1992-1999	NIMH
R10MH56612 Total costs: \$3,093,784 (Direct: \$2,030,575)	Familial Pathways to Early- Onset Suicide Attempts	David Brent, M.D. Principal Investigator Boris Birmaher, M.D. Co-Investigator 10% effort	1997-2007	NIMH
29060/329 Direct costs: \$547,240	A Multicenter Double-Blind Placebo Controlled Study of Paroxetine and Imipramine in	Neal Ryan, M.D., Principal Investigator Boris Birmaher, M.D.,	1994-2000	SmithKline Beecham

	Adolescents with Unipolar Major Depression	Co-Principal Investigator 10% effort		
P30MH55123 Total costs: \$5,741,256 (Direct: \$4,379,906)	Child and Adolescent Developmental Psychopathology Research Center (CADPRC) for Early-Onset Affective and Anxiety Disorders Clinical Core	David Brent, M.D., Principal Investigator Boris Birmaher, M.D., Co-Principal Investigator 10% effort	1997–2002	NIMH
	CADPRC for Early-Onset Affective and Anxiety Disorders Treatment Core	David Brent, M.D. Principal Investigator Boris Birmaher, M.D. Co-Principal Investigator 10% effort	1997 – 2002 1997 - 2002	NIMH NIMH
	CADPRC for Early-Onset Affective and Anxiety Disorders Administrative Core	David Brent, M.D. Principal Investigator Boris Birmaher, M.D. Co-Principal Investigator 5% effort	1997 – 2002	NIMH
	Follow-up of Adolescents with Bipolar Disorder and Major Dep.	Boris Birmaher, M.D. Co-Principal Investigator		
	The Reliability and Validity of the Screen for Child Anxiety Related Emotional Disorders in A Sample of School Students	Boris Birmaher, M.D. Principal Investigator		
PO1 MH41712 Total Costs: \$7,708,428	Psychobiology of Childhood Anxiety and Depression	Neal Ryan, M.D. Program Project Director Boris Birmaher, M.D., Clinical Core Director 20% effort	1996-2002	NIMH
	<u>Project I:</u> Childhood Anxiety and Depression: Psychobiology	Boris Birmaher, M.D., Co-Principal Investigator		
	<u>Project II:</u> Psychobiology of Childhood Anxiety and Depression: Clinical, Psychosocial, and Psychobiological Predictors of Onset and Course	Boris Birmaher, M.D., Principal Investigator		
29060/453 Direct costs: \$147,584	A 38-week Two Phase, Multi-center Study to Investigate the Safety & Effectiveness of Paroxetine (10-60 mg/day) in the Treatment of Children & Adolescent with Obsessive-Compulsive Disorder	Boris Birmaher, M.D., Principal Investigator 5% effort	1996-1998	SmithKline Beecham
R01MH53681-03 Total costs: \$693,034	Fluoxetine for Anxious Children	Boris Birmaher, M.D., Principal Investigator 15% effort	1997-2001	NIMH

(Direct: \$459,976)

CN101-087 Direct costs: \$79,560	A Double-Blind Fixed Dose Multicenter Study of Transdermal Buspirone in the Treatment of Children with Attention Deficit Hyperactivity Disorder	Oscar Bukstein, M.D Principal Investigator Boris Birmaher, MD Co-Principal Investigator	1997-1998 (18 mth.)	Bristol- Myers Squibb
11730390 Direct costs: \$11,905	Fluoxetine for the treatment of major depression in youth with bipolar II or bipolar NOS disorders	Boris Birmaher, M.D. Principal Investigator	1998-1999	Eli Lilly Pharm.
0600-B1-382-US Direct costs: \$177,704	Double-blind, placebo-controlled study of venlafaxine ER in children and adolescents with major depression	Neal Ryan, M.D. Principal Investigator 5% effort Boris Birmaher, M.D. Co-Principal Investigator	1997-1999	Wyeth Ayerst
N01MH70008 Total costs: \$3,187,543 (Direct: \$1,073,243)	Research Units for Pediatric Psychopharmacology (RUPP)	Boris Birmaher, M.D. Principal Investigator	1996-2003	NIMH
1R01 MH59929-01A1 Total costs: \$1,269,125 (Direct: \$85,000)	Course and outcome for adolescents with bipolar illness	Boris Birmaher, M.D. Principal Investigator	2000-2005	NIMH
1R01 MH60952-01A1 Total costs: \$3,085,088 (Direct: \$2,072,746)	Children of Bipolar Parents: A High Risk Follow-up Study	Boris Birmaher, M.D. Principal Investigator	2001-2006	NIMH
3R01 MH59929-01A1S1 Total costs: \$860,625 (Direct: \$475,000)	Course and outcome for adolescents with bipolar illness (Supplement)	Boris Birmaher, M.D. Principal Investigator	2001-2006	NIMH
1 RO1 MH64003 Total costs: \$1,776,530 (Direct: \$1,193,350)	Child/Adolescent Anxiety Multimodal Treatment Study	Boris Birmaher, M.D. Principal Investigator	2002-2006	NIMH
1U10 MH66775-01 Total costs: \$2,401,791 (Direct: \$1,750,000)	Research Units on Pediatric Psychopharmacology & Psychosocial Interventions	David Brent, M.D. Principal Investigator Boris Birmaher, M.D. Co-Principal Investigator	2002-2007	NIMH
1PO1 MH63371-01 Total costs: \$8,237,213 (Direct: \$5,804,434)	Advanced Center for Inter- ventions and Services Research for Early-Onset Mood and Anxiety Disorders (Principal Research Core and Research Methods Core)	David Brent, M.D. Principal Investigator Boris Birmaher, MD Co-Principal Investigator 10% effort	2002-2007	NIMH
U01 MH61835 Total costs:	Treatment of SSRI resistant depression in adolescents	David Brent, M.D. Principal Investigator	2000-2007	NIMH

\$3,316,315 (Direct: \$2,184,634)	(TORDIA)	Boris Birmaher, M.D. Co-Principal Investigator 5% effort		
2P01 MH41712-16A1 Total costs: \$7,209,657 (Direct: \$4,885,462)	Neurobehavioral Changes in Pediatric Affective Disorder (Clinical Core)	Neal Ryan, M.D. Principal Investigator Boris Birmaher, MD Co-Principal Investigator 5% effort	2002-2007	NIMH
1R01 MH6485-01A1 Total costs: \$2,803,887 (Direct: \$1,435,176)	Treatment of Early Age Mania	David Axelson, MD Principal Investigator Boris Birmaher, MD Co-Principal Investigator 5% effort	2002-2008	NIMH
U01 MH064003 Total costs: \$2,672,135 (Direct: \$1,838,280)	Child/Adolescent Anxiety Multimodal Treatment Study (CAMS)	Boris Birmaher, MD Principal Investigator 10% effort	2006-2008	NIMH
1 RO1 MH073953	Longitudinal Assessment of Manic Symptoms (LAMS)	Boris Birmaher, MD Principal Investigator 15% effort	2005-2010	NIMH
2 RO1 MH59929	Course and Outcome for Bipolar Disorder in Youth (COBY)	Boris Birmaher, MD Principal Investigator 25% effort	2006-2011	NIMH
2 RO1 MH60952	Children of Bipolar Parents: A High Risk Follow-Up Study (BIOS)	Boris Birmaher, MD Principal Investigator 30% effort	2006-2011	NIMH
RO1 MH073817 Total Directs: \$1,204,134 Total indirects: \$584,005	Family Focused Treatment Treatment for Bipolar Adolescents (FFT)	David Axelson, MD Principal Investigator Boris Birmaher, MD Co-Principal Investigator 5% effort	2006-2011	NIMH
R01 MH073817 Total costs: \$1,820,623 (Direct: \$1,137,923)	Family Focused Treatment For Bipolar Adolescents (FFT)	David Axelson, MD Principal Investigator Boris Birmaher, MD Co-Principal Investigator	2006-2012	NIMH
Fine Foundation Total costs \$191,811	Intervening with Youth at High Risk for Development of Bipolar Disorder	Ellen Frank, PhD Principal Investigator Boris Birmaher, MD Co-Investigator 5% effort	2007-2009	Fine Founda- tion

Seminars and invited lectureships

1979-1987

Panic Disorder, Grand Rounds, Haddassah Hospital, Jerusalem.

Bipolar Disorder, Grand Rounds, Haddassah Hospital, Jerusalem.

ECT, Grand Rounds, Jerusalem Mental Health Center, Jerusalem.

Panic Disorders, Grand Rounds, Jerusalem Men Affective Disorders, Grand Rounds, University Hospital, Cali, Colombia.

Affective Disorders, Grand Rounds, University Hospital, Cali, Colombia.

Psychopharmacology Up-date, Grand Rounds, University Hospital, Cali, Colombia

Anxiety Disorders, Grand Rounds, University Hospital, Cali, Colombia.

Attention Deficit Disorder, Pediatric Grand Rounds, University Hospital, Cali, Colombia.

Sleep Disorders in Children, Pediatric Grand Rounds, University Hospital, Cali, Colombia.

Sleep Disorders in Children, Psychiatric Grand Rounds, Haddassah Hospital and Jerusalem Mental Health Clinic, Jerusalem, Israel.

1988-Present

Services for Teens at Risk (STAR) Conference, Philadelphia, PA, May, 1992

Services for Teens at Risk (STAR) Conference, Harrisburg, PA, May, 1992

Depression in Children and Adolescents; and Biological Studies in Child and Adolescent Mood Disorders. First Ibero-American Congress of Biological Psychiatry, Chile, South America, August 1992.

Suicide in children and adolescents; Depressive Disorders in Children and Adolescents; Bipolar Disorder In Children and Adolescents. IV International Symposium of Psychiatry, Bogota Colombia, March 1993.

Treatment of Depressive Disorders in Children and Adolescents, Grand Rounds, St. Francis Medical Center, Pittsburgh, PA, January 1993.

Bipolar Disorders in Adolescents, Staunton Clinic, Sewickley Valley Hospital, Sewickley, PA, July 7, 1993.

Psychopharmacological Treatment of Children and Adolescents: XV Congress of Psychiatry, Caracas, Venezuela, October 1993.

Affective Disorders in Children and Adolescents. XV Congress of Psychiatry, Caracas, Venezuela, October 1993.

Treatment of Childhood Depression, St. Francis Medical Center, Pittsburgh, PA, January 11, 1994.

Depression in Children and Adolescents: Allegheny County Mental Health Mental Retardation Childhood Depression Consortium, Pittsburgh, PA, May 1994.

Depressive Disorders in Children and Adolescents: Where Are We Now?: 5th Symposium of the Puerto Rican Psychiatric Association, July 1994.

Psychoneuroimmunology: Science of the Future: Fifth Symposium of the Puerto Rican Psychiatric Association, July, 1994.

Update on Anxiety Disorders in Childhood, Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA, March, 1995.

Bipolar Disorders in Children Adolescents, Allegheny Children's Initiative, Pittsburgh, PA, March, 1995.

Bipolar Disorder: New Approaches to Diagnosis and Treatment in Children and Adolescents, DuBois Regional Medical Center, DuBois, Pennsylvania, October, 1995.

Anxiety Disorders in Children and Adolescents. Anxiety Disorder Across the Age Spectrum Conference, WPIC, October, 1995.

Update of Psychopharmacology Treatment for Children and Adolescents with Depression, Grand Rounds Presentation, Dalhousie University, Department of Psychiatry, Halifax, NS, November, 1995.

Fluoxetine treatment of children and adolescents with treatment resistant anxiety disorders, Anxiety Disorders Association of America, Pittsburgh, PA, 1995.

Mental Health Issues, School to Adulthood, Allegheny County Rehabilitation Center/City of Pittsburgh Transition Coordinating Council, Pittsburgh, PA, December, 1995.

Bipolar Disorder: New Approaches to Diagnosis and Treatment in Children and Adolescents, DuBois Regional Medical Center, DuBois, PA, October, 1995.

Psychotherapy trial for adolescents with MDD, University of Texas, Medical School, Galveston, TX 1996.

Mood disorders in children and adolescents. (Teleconference):Montevideo, Uruguay. 1996 Conference of Biological Society of Uruguay, April, 1996.

Anxiety Disorders: Diagnosis and treatment; Early-onset depression; Diagnoses and treatment, International Symposium Actualization in Child Psychiatry, University of Chile, Hospital Luis Calvo Mackenna, September, 1996.

Early onset depression: Diagnoses and treatment. Symposium of Actualization in Child Psychiatry, Hospital de Clinicas Jose de San Martin, Buenos Aires, Argentina, October, 1996.

Early onset depression: Diagnoses and treatment. Pediatric Hospital, Juan P. Garrahan, Buenos Aires, Argentina, October, 1996.

Pharmacological treatment of early-onset bipolar disorder. Association of Biological Psychiatry, Montevideo, Uruguay, October, 1996.

Pharmacological treatment of children and adolescents with disruptive disorders, Psychopharmacology Colloquium, Sainte-Justine Hospital, University of Montreal, Montreal, Canada, January, 1997.

Pharmacological treatment of children and adolescents with psychosis, Psychopharmacology Colloquium, Sainte-Justine Hospital, University of Montreal, Montreal, Canada, January, 1997.

Pharmacological treatment of children and adolescents with anxiety disorders, Psychopharmacology Colloquium, Sainte-Justine Hospital, University of Montreal, Montreal, Canada, January, 1997.

Treatment of childhood depression. First Colombian Psychopharmacology Congress, Santa fe de Bogota, Colombia, February, 1997.

Treatment of Attention Deficit Disorder with Hyperactivity. First Colombia Psychopharmacology Congress, Santa fe de Bogota, Colombia, February, 1997.

Treating the Treatment-Refractory OCD Patient. Wayne State University, Department of Psychiatry and Behavioral Neurosciences Diagnosis and Treatment

Use of Clozaril and Risperdal in Adolescents. Grand Rounds Lecture Series for the Division of Child and Adolescent Psychiatry, Schneider Children's Hospital and Hillside Hospital of Long Island Jewish Medical Center, April, 1997.

Research on the treatment of bipolar disorder and depression. New research in the treatment of mental disorders in children and adolescents. Alliance for the Mentally Ill and Comprehensive Mental Health Services, Virginia Beach Community Services Board, May, 1997.

Should We Use Antidepressant Medications for Children and Adolescents with Depressive Disorders. New Clinical Drug Evaluation Unit Program (NCDEU), 37th Annual Meeting, Boca Raton, Florida, May, 1997.

Manic Depressive Illness. American Academy of Child and Adolescent Psychiatry, 22nd Annual Review in Child and Adolescent Psychiatry, Chicago, IL, June, 1997.

Depression. American Academy of Child and Adolescent Psychiatry, 22nd Annual Review in Child and Adolescent Psychiatry, Chicago, IL, June, 1997.

Treatment of Major Depressive Disorder in Children and Adolescents, Grand Rounds Presentation, Biological Psychiatry Association of Uruguay, Montevideo, September, 1997.

Bipolar Disorder in Children and Adolescents. XI Latin American Psychiatric Congress for Children, Adolescents, and Families, Santiago, Chile, September, 1997.

Anxiety Disorders in Children and Adolescents. XI Latin American Psychiatric Congress for Children, Adolescents, and Families, Santiago, Chile, September, 1997.

Attention Deficit Hyperactivity Disorder. XI Latin American Psychiatric Congress for Children, Adolescents, and Families, Santiago, Chile, September, 1997.

Use of Anticonvulsants in Children and Adolescents. XI Latin American Psychiatric Congress for Children, Adolescents, and Families, Santiago, Chile, September, 1997.

Diagnostic interview of children and adolescents using the K-SADS-PL and the Screen for child anxiety related emotional disorders (SCARED), XV National Congress of the Mexican Psychiatric Association, Department of Psychiatry and Psychology, National University of Mexico, November, 1997.

How to Diagnose ADHD in Children and Adolescents. The Jewish Healthcare Foundation, Pittsburgh, PA, December, 1997.

Juvenile Depression. Child and Adolescent Psychopharmacology Course, Massachusetts General Hospital, Boston, Massachusetts, March, 1998.

Naturalistic follow-up of bipolar adolescents (WPIC – Dr. Richard Skuse Research Colloquium), Western Psychiatric Institute and Clinic, University of Pittsburgh, Pittsburgh, PA, March 1998.

Treating the Depressed Adolescent: Recover, Relapse, Recurrence, 12th Annual STAR-Center Conference, King of Prussia, Pennsylvania, March, 1998.

Treating the Depressed Adolescent: Recover, Relapse, Recurrence, 12th Annual STAR-Center Conference, Harrisburg, Pennsylvania, May, 1998.

Treating the Depressed Adolescent: Recover, Relapse, Recurrence, 12th Annual STAR-Center Conference, Pittsburgh, Pennsylvania, March, 1998.

Treating Childhood Depression. University of Texas, Dallas Texas, June, 1998.

Treating Anxiety Disorders in Youth. Anxiety Disorders Association of America, Oldtown, Virginia, October 23-25, 1998.

The Treatment of Anxiety Disorders in Children & Adolescents. University of Texas, Southwestern Medical Center at Dallas, November, 1998.

How we treat children with depression: Psychotherapy vs. pharmacotherapy: WPIC Research Series: Meet the P.I., Western Psychiatric Institute and Clinic, University of Pittsburgh, PA, November 13, 1998.

Bipolar Disorders. Best practice for the treatment of children and adolescents with affective and anxiety disorders conference, Center for the Study of Early Onset Affective and Anxiety Disorders. Station Square, Pittsburgh, PA November 18, 1998.

Depression. Mood and Anxiety Disorders in Children: Update '98, Sneider Children's Hospital, New York, November, 1998.

Seminar on children and technology: Effects of technology and computers in schools, LaRoche College, Pittsburgh, PA , November 14, 1998.

Treatment of Childhood Depression: What we know, do not know, and what to do in the meantime. Grand Rounds Presentation. The Cleveland Clinic Foundation, Cleveland, Ohio, December 12, 1998.

Treatment of Childhood Depression: Psychotherapy vs. Pharmacotherapy, Grand Rounds Presentation, University of Miami, Miami, Florida, February 5, 1999.

Children of bipolar parents: A high-risk follow-up study. WPIC's Research Colloquium, Western Psychiatric Institute and Clinic, University of Pittsburgh, Pittsburgh, PA , March 16, 1999

Treatment of affective and anxiety disorder in children and adolescents. Continuing Medical Conference. Yale University, New Haven Connecticut, March 19, 1999.

Mad, Sad, Bad. STAR-Center Conference, King of Prussia, Pennsylvania, March, 1999.

Mood and anxiety disorders. Continuing Medical Education Presentation: New and emerging developments in the diagnosis and treatment of child psychiatric disorders. Case Western Reserve University, Cleveland, Ohio, May 1, 1999.

Clinical picture and treatment of childhood depression. Salamanca, Spain, May 3 – May 7, 1999.

Mad, Sad, Bad. 13th Annual STAR-Center Conference, Pittsburgh, Pennsylvania, May 14, 1999.

Bipolar and depressive disorders in children. National Alliance for the Mentally Ill (NAMI) 20th Anniversary Convention, Celebrating our past, securing our future. Chicago, Ill, July 2, 1999.

Biological correlates in children at high risk to develop Depression. WPIC's Child Depression Consortium, Western Psychiatric Institute and Clinic, Pittsburgh, PA , September 27, 1999.

Treatment of Anxiety Disorders in Children and Adolescents. Sainte-Justine Hospital, University of Montreal, Montreal, Canada, October, 1999.

Pediatric Major Depressive Disorder. 1999 Congress of the Spanish Psychiatric Association, Oviedo, Spain, November, 1999.

Clinical picture of childhood depression. Bilbao Psychiatric Department, IV National Congress of Psychiatry, Bilbao, Spain, November, 1999.

Biology of childhood depression, Grand Rounds Presentation, University of Florida, December, 1999.

Pediatric Psychopharmacology Workshop, VII Uruguayan Congress of Psychiatry, Montevideo, Uruguay, April, 2000.

Pediatric major depressive disorder, VII Uruguayan Congress of Psychiatry, Montevideo, Uruguay, April, 2000.

Long-term outcome of children with mood disorders, VII Uruguayan Congress of Psychiatry, Montevideo, Uruguay, April, 2000.

Biology of pediatric major depressive disorder, VII Uruguayan Congress of Psychiatry, Montevideo, Uruguay, April, 2000

Treatment of childhood depression – psychotherapy vs. pharmacotherapy, Grand Rounds Presentation, New York University, Child Study Center, June, 2000

Treatment of Major Depression in Children and Adolescents. Congresso Nazionale Child Psychiatry (S.I.N.P.I.A.), Rimini, Italy, September, 2000

Medication side effect management. Symposium: Clinical Pediatric Psychopharmacology: State of the Art. Albert Einstein College of Medicine and Montefiore Medical Center, New York Academy of Medicine, New York, September, 2000.

Psychopharmacological treatment of childhood anxiety disorders: Presented for Solvay Pharmaceuticals, Inc., Columbus Ohio, November, 2000.

Mood Disorders, Anxiety Disorders, and Pharmacological Treatment. Colombian Institute of Nervous System, Mont-Serrat Clinic; Bogota, Columbia, November, 2000

Biological Studies in Never Depressed Children at High Risk to Develop MDD. Childhood Depression: A Critical Review, The Banbury Center, Cold Spring Harbor Laboratory, New York, February 2001.

Treatment of Childhood Bipolar Disorder. Childhood Onset Anxiety, Bipolar, and Major Depression - Clinical Characteristics, Course, and State of the Art Treatment. Boris Birmaher, M.D., Chair. American Academy of Child and Adolescent Psychiatry, 2001 Mid-Year Institute, Miami, Florida, March 21-23, 2001.

Treatment of Childhood Major Depressive Disorder. Childhood Onset Anxiety, Bipolar, and Major Depression – Clinical Characteristics, Course, and State of the Art Treatment. Boris Birmaher, M.D., Chair. American Academy of Child and Adolescent Psychiatry, 2001 Mid-Year Institute, Miami, Florida, March 21-23, 2001.

Treatment of Depression in Children and Adolescents. Spring Psychopharmacology Training Program, New York State Office of Mental Health, March 2001.

Developmental Pharmacokinetics and Pharmacodynamics of Psychotropics: Research to Clinical Practice. 41st NCDEU Meeting; Phoenix, Arizona, May 28-31, 2001.

Course and Outcome of Bipolar Disorder in Adolescents. Fourth International Conference on Bipolar Disorder, Pittsburgh, Pennsylvania, June 14-16, 2001.

Psychopharmacological Treatment of Childhood Mood and Anxiety Disorders. Fifth Psychiatric Symposium of the South of Brazil, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, June 2001.

Childhood Depressive Disorders. Fifth Psychiatric Symposium of the South of Brazil, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, June 2001.

Bipolar Disorders and Comorbid Disorders. Fifth Psychiatric Symposium of the South of Brazil, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, June 2001.

Child and Adolescent Anxiety Disorders. Child Psychiatry Update Conference, Children's Hospital Medical Center, Cincinnati, Ohio, September 8, 2001.

Course and Treatment of Anxiety, Mood, and ADHD Disorders. Policinica Gipuzkoa, San Sebastian, Spain, September 21, 2001.

Treatment of Childhood Bipolar Disorders. Third International Child Psychiatry Symposium, Montevideo, Uruguay, October 2001.

Treatment of Childhood Depressive Disorders. Third International Child Psychiatry Symposium, Montevideo, Uruguay, October 2001.

Mood Disorders: Medication Management and Issues of Comorbidity. 4th Annual Clinical Pediatric Psychopharmacology State-of-the-Art: Approaches to the Management of Comorbidity. Albert Einstein College of Medicine and Montefiore Medical Center, New York Academy of Medicine, New York, December 2001.

Major Depressive Disorder: Clinical Picture, Course and Outcome. CME 9635 - Child and Adolescent Psychiatry Conference on Depression and Suicide, Providence Alaska Medical Center, Anchorage, Alaska, December 2001.

Treatment of Childhood Onset Major Depressive Disorder. CME 9635 – Child and Adolescent Psychiatry Conference on Depression and Suicide, Providence Alaska Medical Center, Anchorage, Alaska, December 2001.

Assessment of Bipolar Disorder in Youth: The Pittsburgh Experience – Pediatric Bipolar Disorder Conference, Boston, MA, March 2002.

Mixed States, Rapid Cycling and “Atypical” Bipolar Disorder in Adolescence and Childhood. Workshop on Mixed States, Rapid Cycling and “Atypical” Bipolar Disorder, Frankfurt, Germany, July 4-7, 2002.

How Bipolar (Manic Depressive) Illness Manifests in Children. Grand Rounds, New York University Child Study Center, September 2002.

(1) Treatment of Major Depression in Children. (2) Treatment of ADHD. (3) Does Bipolar Disorder Exist in Children? (4) Treatment of Anxiety Disorders in Children. World Federation of Societies of Biological Psychiatry, Chile, South America, November 2002.

Do Children Have Bipolar Disorder? Grand Rounds, McMaster University, Department of Psychiatry and Behavioural Neurosciences, Hamilton, Ontario, Canada, December 18, 2002.

(1) Major Depressive Disorder in Children and Adolescents. (2) Anxiety Disorder in Children and Adolescents. 13th National Child/Adolescent Psychiatry Conference, Ankara, Turkey, March 2003.

Bipolar Disorder in Children & Adolescents. Grand Rounds, University of Illinois at Chicago, April 2003.

Psychosis in Childhood Depression. 58th Annual Scientific Convention and Program, Society of Biological Psychiatry, May 2003.

Pharmacologic Treatment of Anxiety Disorders in Children and Adolescents. Grand Rounds, Montefiore Medical Center, The University Hospital for the Albert Einstein College of Medicine, May 2003.

Anxiety Disorders. 28th Annual Review Course in Child and Adolescent Psychiatry and Training Session for Oral Exams, American Academy of Child & Adolescent Psychiatry (AACAP), Pittsburgh, PA, June 2003.

Bipolar Disorder Across the Life-span. Fifth International Conference on Bipolar Disorder, Pittsburgh PA, June 2003.

Treatment of Children and Adolescents with Bipolar Disorder. Fifth International Conference on Bipolar Disorder, Pittsburgh PA, June 2003.

Anxiety Disorders: Practical, Evidence-Based and New Psychopharmacological Treatments. Clinical Pediatric Psychopharmacology: State-of-the-Art, Montefiore Medical Center, Albert Einstein College of Medicine, September 2003.

Adolescent Depression. European Society for Child and Adolescent Psychiatry International Congress, Paris, France, September 2003.

1) Anxiety Disorders In Children; 2) Bipolar Disorder in Children. Congreso Nacional 2003, Cali, Colombia, October 2003.

Current Concepts in the Diagnosis and Psychopharmacological Management of Anxiety Disorders in Children and Adolescents. Pediatric Psychopharmacology Conference, Jerusalem, Israel, January 2004.

1) Comorbidity and Differential Diagnosis; 2) Bipolar Depression: What does it look like? How is it treated? National Conference on Bipolar Disorder/Josselyn Center, Chicago, IL, March 2004.

Psicopatología y tratamiento de la depression en niños y adolescents. Avances En Psiquiatria y Psicologia Clinica de la Infancia y La Adolescencia. Octavas jornadas internacionales, Barcelona, Spain, April 2004.

Fenomenología y tratamiento en los Ts por depression en niños y adolescents. Society of Child & Adolescent Psychiatry & Allied Professions, Mexico, July 2004.

Pediatric Bipolar Disorder: What is all the fuss about? The Royal Australian and New Zealand College of Psychiatrists (RANZCP) Faculty of Child Psychiatry 2004 Annual Conference, Australia, July 2004.

1) Fenomenología, Biología y Tratamiento de los Trastornos de Ansiedad; 2) Fenomenología y Tratamiento Bipolar en niños. Instituto Nacional De Psiquiatria XIX Annual Research Meeting, Mexico, October, 2004.

1) Conferência: Depressão Na Infância E Na Adolescência; 2) Psicofarmacologia Da Infância E Da Adolescência ; 3) Diagnóstico Diferencial Entre Síndrome De Asperger, TB E TDAH Na Infância. XXII Congresso Brasileiro De Psiquiatria, Brazil, October 2004.

1) Research in Pediatric Bipolar disorder; 2) The Use of SSRIs in Children and Adolescents. 1ª Jornada De Psiquiatria Infante-Juvenil Del Hospital De Basurto, Bilbao, Spain, November 2004.

Bipolar Disorder in Children and Adolescents. 2005 Invisible Child Conference, Denver, Colorado, January 2005.

1) Clinical Picture of Bipolar Disorder in Children and Adolescents; 2) Treatment of Bipolar Disorder in Children and Adolescents. Psychopharmacology and Cognitive Behavior Therapy for Children and Adolescents Conference, Jerusalem Israel, January 2005.

The Efficacy and Current Controversies Regarding Use of SSRIs for the Treatment of Depression and Children and Adolescents. Psychopharmacology Update for Children and Adolescents: Identifying and Treating Medication Responsive Disorders, Case Western Reserve University, April 2005.

1) Should We Prescribe SSRIs for Children with Anxiety or Depressive Disorders? 2) Treatment of Children with ADHD. University Hospital, Madrid, Spain, June 2005.

Does Bipolar Disorder Exist in Children? 2) Psychopharmacological Treatment of Anxiety Disorders in Children and Adolescents; 3) Psychopharmacological Treatment of Depressive Disorders in Children and Adolescents; 4) Psychopharmacological Treatment of Bipolar Disorder in Children and Adolescents. Bipolar Disorder Conference and Training Course on Pediatric Psychopharmacology, The National Hospital, Oslo, Norway, September 2005.

Anxiety in Adolescents. American Academy of Pediatrics National Conference & Exhibition, Washington, DC, October 2005.

El trastorno bipolar en la infancia. VII Simposio sobre Trastornos Bipolares. Prevención y Tratamiento de los Trastornos Bipolares, Barcelona, Spain, February 2005

Polémicas Del Uso De Fármacos En Niños. Se Deben Utilizar Los Irs Para El Tratamiento De La Depresión Y La Ansiedad En Niños? Congreso Centroamericano de Psiquiatria, Panama, April 2006

Should We Use Medications (or SSRIs) for the Treatment of Depressed and Anxious children? Grand Rounds, University of Buffalo, Buffalo, New York, April 2006.

Diagnostic Issues of Child and Adolescent Depression and Anxiety Disorders. A Review of Developmental-Behavioral Disorders & A Spectrum of Pediatric Challenges, Hackensack University Medical Center, May 2006.

Phenomenology and Course of Bipolar Disorder in Children and Adolescents. Grand Rounds, Hospital for Sick Children, Toronto, Canada, September 2006.

Clinical Picture and Course of Children with Bipolar Disorder, Grand Rounds, New York University School of Medicine, Child Study Center, September 2006.

Diagnóstico de trastornos del afecto y ansiedad en niños con TDAH and 2) Tratamiento de trastornos del afecto y ansiedad en niños con TDAH. Second International ADHD Congress, Mexico City, Mexico, September 2006.

Clinical Picture of Anxiety/Depression when ADHD and PDD are comorbid disorders. Grand Rounds, Schneider Children's Hospital, Hyde Park, NY, December 2006.

Clinical Manifestation and Treatment of Depression, Anxiety, Bipolar Disorder, and Attention-Deficit Hyperactive Disorder. (4 separate presentations). Grand Rounds, Department of Psychiatry, University Hospital, Geneva, Switzerland, January 2007.

Fenomenología Y Curso Del Trastorno Bipolar En Niños Y Adolescentes. II Congreso Internacional Multidisciplinar Sobre el Trastorno por Deficit de Atencion y Trastornos de la Conducta, Madrid, Spain, January 2007.

Anxiety Disorder in Children and Adolescents and (2) Bipolar Disorder in Children and Adolescents. Psychopharmacological and Psychosocial Strategies for Treatment Resistance in Child and Adolescent Psychiatry: Practical Approaches to the Difficult to Treat Patient. An Evidence-Based, Clinical Experience and Case Focused Interactive 2-Day Conference. Judean Hills, Israel, January 2007.

Childhood Bipolar Disorder: Clinical Picture and Course. Grand Rounds, Department of Child Psychiatry, Cincinnati Children's Hospital, Cincinnati, Ohio, March 2007.

Children of Bipolar Parents: Are They at Risk for Bipolar Disorder? Grand Rounds, Department of Psychiatry, University of Cincinnati College of Medicine, Cincinnati, Ohio, March 2007.

Clinical Manifestations of Anxiety Disorders and 2) Treatment Modalities in the Management of Pediatric Anxiety Disorders. 42nd Annual Pediatric Postgraduate Course "Perspectives in Pediatrics", Miami, Florida, March 2007.

Diagnosis and Course of Pediatric Bipolar Disorder. Grand Rounds, Columbia University, New York, NY, April 2007

Clinical Characteristics and Outcome of Children with Bipolar Spectrum Disorder. Grand Rounds, Montefiore Medical Center, New York, NY, April 2007.

Psicopatología y curso del trastorno bipolar en niños y adolescentes. Cataluna Child Psychiatry Society, Barcelona, Spain, April 2007.

Phenomenology and Clinical Course of Bipolar Disorder in Children and Adolescents. Grand Rounds, Children's University Hospital, Brussels, Belgium, May 2007.

Childhood Bipolar Disorder (Role of ADHD). Seventh International Conference on Bipolar Disorder, Pittsburgh, PA, June 2007.

Diagnostic Issues and Nosology (Transition through Adolescence from Childhood Bipolar Disorder). Seventh International Conference on Bipolar Disorder, Pittsburgh, PA, June 2007.

Phenomenology and Treatment of ADHD and 2) Diagnosis and Treatment of ADHD in the United States in Comparison with Other Countries. I Consenso Latinoamericano Sobre El Trastorno Por Déficit De Atención E Hiperactividad. Mexico City, Mexico, June 2007.

Transition to adulthood, transition in our practices. Keynote Speaker, 7th Congress of the International Society for Adolescent Psychiatry and Psychology, From Adolescence to Adulthood: Opening Channels, Marking Paths and Sharing Approaches, Montreal, Canada, July 2007.

Pediatric Bipolar Disorder – Clinical Picture and Longitudinal Course. ESCAP 13th International Congress, Florence, Italy, August 2007.

Bipolar Disorders in Children and Adolescents. Conference on Bipolar Disorder: Etiology, Diagnosis & Treatment. Penn State Milton S. Hershey Medical Center, Raddison Penn Harris, Camp Hill, PA, September 2007.

Dépression de l'enfant et de l'adolescent. Etat des lieux: ce qu'il faut savoir aujourd'hui. Programme Journée SFPEA DA, Paris, France, October 2007.

Differential features of bipolar disorder in children and adolescents. 20th ENCP (European College of Neuropsychopharmacology) Congress, Vienna, Austria, October 2007.

Clinical Picture of Bipolar Disorder in Children and Adolescents and 2) Treatment of Pediatric Bipolar Disorder. 12th Child and Adolescent Psychiatric Congress, Istanbul, Turkey, November 2007.

Anxiety Disorders in Children: Diagnoses, Biology and Treatment. Bronx-Lebanon Hospital Center, New York, December 2007.

Should we use medications for the treatment of anxiety and depression in children. Grand Rounds, Children's Hospital of Pittsburgh, January 2008.

Major Depressive Disorder (MDD) in Children and Adolescents. Grand Rounds, UPMC St. Margaret Hospital, January 2008.

Trématent du Dépressif Majeur chez les Enfants et des Adolescents. Conference on Mood Disorders and Suicidal Behavior Among Youth. Hôpital Rivière-des-Prairies, Montreal, (Quebec) Canada, February 2008.

Borderline vs. Bipolaire (Maniaco-Dépression) chez les Adolescents. French Academie of Medicine, Paris, France, February 2008.

Bipolar Disorder in Children and Adolescents-Clinical Picture and Longitudinal Course. Grand Rounds, Carolinas Medical Center, Randolph Behavioral Health Center, Charlotte, North Carolina, March 2008.

Tratamiento del Trastorno Bipolar en Niños y Adolescentes : monoterapia, combinación racional de fármacos, y manejo de la comorbilidad con TDAH. Fifth Symposium of Child and Adolescent Psychiatry of the Sociedad Vasco-Navarra de Psiquiatría, Pamplona, Spain, May 2008.

Ponencia de relevancia científica : Psicofarmacología selectiva de la manía y conductas agresivas. 43 Reunión Anual De La Asociación De Psiquiatría Del Niño Y Del Adolescente, Valencia, Spain, May 2008.

(1) Clinical Manifestations and Treatment of Pediatric Major Depression Disorder; (2) Clinical Picture and Treatment of Bipolar Disorder in Children and Adolescents. South London and Maudsley NHS Foundation Trust "Current Themes in Depressive Disorders in Children and Adolescents," Maudsley Hospital and King College of Medicine, London, England, July 2008.

(1) Diagnosis and Treatment of ADHD in Children and Adolescents; (2) Diagnosis and Treatment of Major Depressive Disorder in Children and Adolescents. Consultant for Office of "CASCO" (A community in need). Panama, Central America, August 2008.

(1) Bipolar Disorder in Children and Adolescents¹; (2) Anxiety Disorders in Children and Adolescents². Tel-Aviv University and Tel-ashomer Hospital¹. Hebrew University/Hadassah Hospital^{1,2}, Jerusalem, Israel, September 2008.

Treatment of Major Depression in Children and Adolescents: Evidence-Based Treatments and Beyond. 2009 Psychopharmacology Update Institute, New York, NY, January 2009.

Trastorno bipolar infantil: cómo diagnosticarlo, cómo tratarlo. X Simposio Sobre Trastornos Bipolares "Avances Diagnósticos y Terapéuticos". Barcelona, Spain, January 2009.

Mood Disorders and Suicide Updates on Relevant Topics for Child and Adolescent Psychiatrists. American Academy of Child & Adolescent Psychiatry (AACAP) Lifelong Learning Institute, San Diego, California, March 2009.

Pediatric Major Depressive Disorder – Clinical Picture and Treatment. AAPA's 37th Annual Physician Assistant Conference, San Diego, California, May 2009.

(1) Pediatric Bipolar Disorder (B Birmaher MD, E Leibenluft MD); (2) Diagnosis Roundtable (DJ Kupfer MD, B Birmaher MD, J Fawcett MD, J McNulty, D Regier MD MPH, T Suppes MD PhD). Eighth International Conference on Bipolar Disorder, Pittsburgh PA, June 2009.

Update on the Treatment of Affective Disorders in Children and Adolescents. 12th Annual Clinical Pediatric Psychopharmacology Symposium. State-of-the-Art: From the Bench to the Consulting Room – a glimpse into the future of child psychiatry practice. New York Academy of Medicine, New York, NY, September 2009.

(1) Evolução conceitual e Investigação diagnóstica de Transtorno Afetivo Bipolar (TAB) na infância e na Adolescência; (2) Fronteiras e diagnóstico diferenciais de TAB na infância e na adolescência; (3) Planejamento e estratégias de tratamento para TAB de início precoce. II International Child and Adolescents Affective Disorder Symposium, University of Sao Paulo, Sao Paulo Brazil, September 2009.

Pediatric Bipolar (BP) Disorder. Pennsylvania Psychiatric Society Educational Conference, Valley Forge, PA, November 2009.

Paediatric bipolar disorder: phenomenology, validity, treatment. Maudsley Institute of Psychiatry Conference. Optimising Patient Centered Care – Mood Disorders Across the Lifespan. South London and Maudsley NHS Foundation Trust & Kings College, London, UK, December 2009.

Pediatric Bipolar Disorder. Division of Child Psychiatry, McGill University, Montreal Children's Hospital, Montreal, Quebec, Canada, January 2010

(1) Update on the Diagnosis, Outcome and Treatment of Children and Adolescents with Bipolar Disorder; (2) Update on the Treatment of Anxiety Disorders in Children and Adolescents. Psychopharmacological & Therapeutic Strategies in Child & Adolescent Psychiatry; Albert Einstein College of Medicine of Yeshiva University; ISAS International Seminars; Jerusalem, Israel; January 2010.

Bipolar Disorder Longitudinal Studies. Childhood Origins of Mental Disorder; Institut Philippe-Pinel de Montréal; Montréal, Quebec, Canada; February 2010.

Anxiety Disorder - Clinical Characteristics, Biology and Treatment. Annual Child Psychiatry Day; Division of Child Psychiatry; University of Toronto, April 2010.

Pediatric Bipolar Disorder – Implications for the DSM-V. National Meeting on Child and Adolescent Psychiatry, Gothenberg, Sweden , April 2010.

(1) How to Identify and Treat Children with Anxiety Disorders; (2) Does Bipolar Disorder Exist in Children? How to Recognize it. Hackensack University Medical Center, 28th Annual Pediatric Conference “A Review of Developmental-Behavioral Disorders & A Spectrum of Pediatric Challenges,” Hilton Head, South Carolina, May 2010.

Bipolar Disorder Across the Lifespan. The 19th World Congress of the International Association for Child and Adolescent Psychiatry and Allied Professions and the 6th Congress of the Asian Society for Child and Adolescent Psychiatry and Allied Professions. Beijing, China, June 2010.

Does Bipolar Disorder Exist in Children: Validation and Controversies. Henrietta Leonard Visiting Professor Grand Rounds, Department of Psychiatry & Human Behavior, Brown University, Providence, Rhode Island, October 2010.

Does Bipolar Disorder Exist in Children? If It Does, How Can We Differentiate It From Other Childhood Psychiatric Disorders? Grand Rounds, New York University School of Medicine, NYU Child Study Center, New York, NY, October 2010.

(1) Diagnóstico y Tratamiento de los Trastornos de Ansiedad en niños y adolescentes. Primera Parte and Parte II ; (2) Diagnóstico y Tratamiento de la Depresión en niños y adolescentes ; (3) Existe el trastorno bipolar en niños ? Controversias, Diagnostico y Tratamiento 1 Parte and 11 Parte. Simposio Internacional Trastornos del Ánimo y Trastorno Bipolar en Niños y Adolescentes, Conference Principal Boris Birmaher MD, Buenos Aires, Argentina, November 2010.

Epidemiology of Child Psychiatric Disorders: Anxiety Disorders. University of Pittsburgh School of Medicine, Pittsburgh, PA, February 8, 2011.

Does Bipolar Disorder Exist in Children? Validation and Controversies. The University of Texas Health Science Center at San Antonio Grand Rounds, San Antonio, TX, April 19, 2011.

Does Bipolar Disorder Exist in Children? Validation and Controversies. Meet the PI, University of Pittsburgh School of Medicine, Pittsburgh, PA, May 13, 2011.

Major Depressive Disorder (MDD) in Children and Adolescents. Paul Laybourne Symposium, Kansas City, KS, May 20, 2011.

How to Identify and Treat Children with Depressive Disorders and Management of Children with Psychiatric Disorders: Case Presentations. 29th Annual Pediatric Conference, Hilton Head, SC, May 23, 2011.

Keynote Address, WPIC Research Day, University of Pittsburgh School of Medicine, Pittsburgh, PA, June 2, 2011.

Bipolar Disorder across the Lifecycle: are we any closer to solving the riddle? ACAMH Jack Tizard National Conference, London, England, June 6, 2011.

The Current Status of Child and Adolescent Bipolar Disorder: What we know. (2) Pediatric Bipolar Disorder: Who are they? More in the USA? Ninth International Conference on Bipolar Disorder, Pittsburgh, PA, June, 2011.

Does Bipolar Disorder Exist in Children? Clinical Picture, Course and Controversies. *Psichiatria Dell'arco Di Vita: Un Approccio Condiviso Per Bambino, Adolescente E Adulto*, Rome, Italy, June 16, 2011.

Depresión en niños diagnostic. 27th Colombian Congress of Pediatrics, Columbia, June 30, 2011.

Depression in children: Diagnosis, 27th Colombian Congress of Pediatrics, Columbia, June 30, 2011

Depression in children: Treatment, 27th Colombian Congress of Pediatrics, Columbia, June 30, 2011

Anxiety in children: Diagnosis, 27th Colombian Congress of Pediatrics, Columbia, June 30, 2011

Mood disorders across the lifespan, 15th World Congress of Psychiatry, Montevideo, Uruguay, September 19, 2011

Diagnosis and treatment of child and adolescent bipolar disorder, 15th World Congress of Psychiatry, Montevideo, Uruguay, September 20, 2011

Are the children who present to the outpatient clinics with “manic symptoms” bipolar?, 15th World Congress of Psychiatry, Montevideo, Uruguay, September 20, 2011

Lecturer: VI Jornada Científica, Madrid, Spain, September 30, 2011

Updates on pathogenesis and treatment of anxiety disorders in children and adolescents, Masters in Psychology, Child and Adolescent Clinical Psychology, University of Chile, October 11, 2011

Early clues in preschool bipolarity, Annual Meeting of the Society of Psychiatry and Neurology, Children and Adolescents, Coquimbo, October 12, 2011

Pharmacologic research on affective disorders, Annual Meeting of the Society of Psychiatry and Neurology, Children and Adolescents, Coquimbo, October 14, 2011

Adolescents with Bipolar Disorder, Jean Paul Ohadi Conference, Northfield, IL, October 28, 2011

Child Mental Health Forum, Judge Baker Children's Center, Boston, MA, December 7, 2011

Two Decades of Learning about Bipolar Disorder, Provost Lecture – Endowed Chair in Early Onset Bipolar Disorder, Pittsburgh, PA, March 1, 2012

What is pediatric bipolar disorder? 5th Biennial Conference of the ISBD, Istanbul, Turkey, March 15, 2012

The Pittsburgh Bipolar Offspring Study, 5th Biennial Conference of the ISBD, Istanbul, Turkey, March 15, 2012

Chairman: Douglas B. Hansen, M.D., 37th Annual review Course in Child and Adolescent Psychiatry (AACAP), Pittsburgh, PA, March 21, 2012

Roundtable Discussion on High Risk Studies, 2012 Pediatric Bipolar Disorder Conference, Cambridge, MA, March 30, 2012.

Swedish Bipolar Society, Stockholm, Sweden, April 26-27, 2012.

57 Congreso de la Asociación Española de Psiquiatría del Niño y del Adolescente (AEPNYA), Barcelona, Spain, May 10, 2012.

Joint symposium, National Institute Mental Health, BIOS: The Bipolar Offspring Study, Bethesda, MD, May 15, 2012.

The Spectrum of Paediatric Bipolar Disorder, IRBD meeting, Nice, France, May 22, 2012.

Child Depression Consortium Meeting, Pittsburgh, PA, September 12, 2012.

Developmental Affective Neuroscience Meeting, Pittsburgh, PA, September 13, 2012.

Adolescent Medicine Conference, Pittsburgh, PA, September 27, 2012.

“Disruptive Mood Dysregulation Disorder (DMDD),” Clinical Educator Track Showcase Event, Pittsburgh, PA, September 27, 2012.

Grand Rounds for the Department of Psychiatry at Beth Israel Medical Center, New York, NY, October 18, 2012.

Symposium Discussant, “AIMS: Antidepressant Induced Manic Symptoms in Youth,” 59th Annual Meeting, American Academy of Child and Adolescent Psychiatry, San Francisco, CA, October 24, 2012.

Symposium Discussant, “International Perspectives in Bipolar Disorders,” 59th Annual Meeting, American Academy of Child and Adolescent Psychiatry, San Francisco, CA, October 26, 2012.

“Long-Term Outcomes of Children with Bipolar Disorder,” 59th Annual Meeting, American Academy of Child and Adolescent Psychiatry, San Francisco, CA, October 26, 2012

“Pediatric Bipolar Disorder: Diagnosis and Controversies,” Grand Rounds for the Department of Psychiatry, University of Texas, Health Science Center at Houston, Houston, TX, November 7, 2012

“Diagnóstico y tratamiento de niños con trastornos por ansiedad,” La Asociación Latinoamericana de Pediatría (ALAPE), Cartagena, Colombia, November 15, 2012

“Enfoque diagnóstico y tratamiento de niños con trastorno por déficit de atención e hiperactividad,” La Asociación Latinoamericana de Pediatría (ALAPE), Cartagena, Colombia, November 15, 2012

NIMH Fellowship Program Lecture, Pittsburgh, PA, March 4, 2013

Arnold LE, Ganocy S, Youngstrom E, Frazier T, Mount K, Fristad M, Horwitz S, Birmaher B, Findling R, Kowatch R. Latent class 3-year ADHD symptom trajectories in LAMS differ from MTA. Presented at the International Society for Research in Child and Adolescent Psychopathology, Leuven, Belgium, June 2013.

Other research related activities:

Journal Refereeing

1997-Present Reviewer, Journal of Neuropsychiatry and Clinical Neurosciences

1997-Present Reviewer, National Institute of Mental Health applications, Behavioral Science Track Award for Rapid Transition (B/START)

1998-Present Reviewer, Biological Psychiatry

1998-Present Reviewer, American Psychiatric Press, Inc.

1999-Present Reviewer, Bipolar Disorder

1999-Present Reviewer, Archives of General Psychiatry

1999-Present Reviewer, Psychiatry Research

2000-Present Reviewer, American Psychiatric Journal

2000-Present Reviewer, Journal of Abnormal Child Psychology

2000-Present Reviewer, Journal of Affective Disorders

Memberships:

1995-Present Member, Editorial Board, Journal of the American Academy of Child and Adolescent Psychiatry

1995-Present Member of the Work Group on Research, American Academy of Child and Adolescent Psychiatry

1996-1999 Core Faculty, Stanley Center for the Innovative Treatment of Bipolar Disorder

1997-Present Member, Program Committee, American Academy of Child and Adolescent Psychiatry

1998-2002 Member, Editorial Board, Journal of Child and Adolescent Psychopharmacology

1998-Present Professional Associate Member, National Voice on Mental Illness (NAMI)

1999-Present External Reviewer, Medical Research Council of Canada (clinical trials grants)

2002-Present Member, Editorial Board, Contemporary Psychiatry

2003-Present Member, Professional Advisory Council, Child and Adolescent Bipolar Foundation

2003-2006 Elected Member, International Society for Bipolar Disorders Board of Councilors (July 1, 2003-June 30, 2006)

2004-Present Board Member, Scientific Advisory Board of the Depression and Bipolar Support Alliance (DBSA)

2004-Present Member, Editorial Board, Current Pediatric Reviews

2004-Present Member, Scientific Advisory Board of Step Up for BP Kids, Inc.

2004-Present AACAP Program Committee Institute Sub-Committee Chairman (Appointed)

2006-Present Member, International Editorial Board, Revista de Psiquiatria do Rio Grande do Sul

2006 – Present Member, Editorial Board, Journal of the Canadian Academy of Child Psychiatry

2006-Present Member, Scientific Advisory Committee, Fundación Alicia Koplowitz, Madrid, Spain

2008 – Present Appointment Member, Interventions Committee for Disorders Involving Children and Their Families (ITVC) National Institute of Mental Health (NIMH) Initial Review Group (July 1, 2008-June 30, 2012)

2010-Present	Member, Review Editorial Board, Frontiers in Affective Disorders.
2012-Present	WPIC Resident Research Track Committee
2013 – Present	American Academy of Child and Adolescent Psychiatry (AACAP) Program Committee
2013 – Present	International Advisory Board of the Israel Journal of Psychiatry

LIST OF CURRENT RESEARCH INTERESTS:

The phenomenology, course, etiology and treatment of child and adolescent bipolar disorder, major depression and anxiety.

SERVICE:

University/UPMC Activities

1990-1999	WPIC/Medical Quality Assurance Committee
1991-2000	WPIC/Child and Adolescent Module Directors Committee
1993-2000	WPIC/Child Psychiatry Administrative Committee
1993-Present	WPIC/Child and Adolescent Training Committee
1993-Present	WPIC/Resident Recruitment Team Leader
1993-Present	WPIC/Member, Faculty Mentor Program
1994-Present	WPIC/Residency Advisory Committee
1994-Present	Child Psychiatry Board Examiner
1995-1999	WPIC/Member: Pharmacy and Therapeutic Committee
1997- 2001	WPIC/Member, Academic Promotions Committee
2001-2006	University of Pittsburgh Institutional Review Board (IRB) Board Member
2005- 2009	UPMC Tsunami Advisory Council

Community Activities

1995-1996	Psychiatric Services for the Homeless Shelter - Volunteer
1995-1988	Board Member: Education Committee. Beth-El Synagogue, South Hills
1997-1999	Volunteer, Doctors without Borders

Awards

2011-2013	America's Top Doctors
-----------	-----------------------