

# Stanford

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## Douglas F. Levinson, M.D.

Walter E. Nichols, M.D. Professor in the School of Medicine  
Psychiatry and Behavioral Sciences

### CLINICAL OFFICES

- **Psychiatry Department**

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### Bio

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### CLINICAL FOCUS

- Psychiatry

### ACADEMIC APPOINTMENTS

- Professor, Psychiatry and Behavioral Sciences
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

### PROFESSIONAL EDUCATION

- Fellowship: Bronx Municipal Hospital Ctr (1981) NY
- Residency: Mount Sinai Medical Center (1979) NY
- Internship: Bronx Municipal Hospital Ctr (1977) NY
- Medical Education: University of Pennsylvania (1976) PA
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (1982)
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (1981)
- --, Bronx Psychiatric Center , Biological Psychiatry (1982)
- --, Albert Einstein Coll of Medicine , Child Psychiatry (1981)
- --, Mt. Sinai School of Medicine , General Psychiatry (1979)
- --, Albert Einstein Coll of Medicine , Pediatrics (1977)
- M.D., University of Pennsylvania , Medicine (1976)
- A.B., Harvard College , Social Relations (1970)

### LINKS

- Program website: <http://depressiongenetics.stanford.edu>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Levinson directs the Program on the Genetics of Brain Function in the Department of Psychiatry and Behavioral Sciences. The program investigates the genetic basis of psychiatric disorders (schizophrenia and major depressive disorder), using genetic association, linkage and resequencing methodologies. In collaboration with Dr. Alice Whittemore, we are also actively engaged in statistical methods testing and development for genetic research.

## Teaching

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### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Siming Zhang

## Publications

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### PUBLICATIONS

- **Genomewide Association Analysis of Symptoms of Alcohol Dependence in the Molecular Genetics of Schizophrenia (MGS2) Control Sample** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
Kendler, K. S., Kalsi, G., Holmans, P. A., Sanders, A. R., Aggen, S. H., Dick, D. M., Aliev, F., Shi, J., Levinson, D. F., Gejman, P. V.  
2011; 35 (5): 963-975
- **Copy Number Variants in Schizophrenia: Confirmation of Five Previous Findings and New Evidence for 3q29 Microdeletions and VIPR2 Duplications** *60th Annual Meeting of the American-Society-of-Human-Genetics*  
Levinson, D. F., Duan, J., Oh, S., Wang, K., Sanders, A. R., Shi, J., Zhang, N., Mowry, B. J., Olincy, A., Amin, F., Cloninger, C. R., Silverman, J. M., Buccola, et al  
AMER PSYCHIATRIC PUBLISHING, INC.2011: 302-16
- **Genome-wide association study of recurrent early-onset major depressive disorder** *MOLECULAR PSYCHIATRY*  
Shi, J., Potash, J. B., Knowles, J. A., Weissman, M. M., Coryell, W., Scheftner, W. A., Lawson, W. B., DePaulo, J. R., GEJMAN, P. V., Sanders, A. R., Johnson, J. K., Adams, P., Chaudhury, et al  
2011; 16 (2): 193-201
- **Common variants on chromosome 6p22.1 are associated with schizophrenia** *NATURE*  
Shi, J., Levinson, D. F., Duan, J., Sanders, A. R., Zheng, Y., Pe'er, I., Dudbridge, F., Holmans, P. A., Whittemore, A. S., Mowry, B. J., Olincy, A., Amin, F., Cloninger, et al  
2009; 460 (7256): 753-757
- **Significance levels for studies with correlated test statistics** *BIOSTATISTICS*  
Shi, J., Levinson, D. F., Whittemore, A. S.  
2008; 9 (3): 458-466
- **Investigating the role of p11 (S100A10) sequence variation in susceptibility to major depression** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*  
Verma, R., Cutler, D. J., Holmans, P., Knowles, J. A., Crowe, R. R., Scheftner, W. A., Weissman, M. M., DePaulo, J. R., Levinson, D. F., Potash, J. B.  
2007; 144B (8): 1079-1082
- **Bootstrap classification and point-based feature selection from age-staged mouse cerebellum tissues of matrix assisted laser desorption/ionization mass spectra using a fuzzy rule-building expert system** *ANALYTICA CHIMICA ACTA*  
Harrington, P. B., Laurent, C., Levinson, D. F., Levitt, P., Markey, S. P.  
2007; 599 (2): 219-231
- **QuickSNP: an automated web server for selection of tagSNPs** *NUCLEIC ACIDS RESEARCH*  
Grover, D., Woodfield, A. S., Verma, R., Zandi, P. P., Levinson, D. F., Potash, J. B.  
2007; 35: W115-W120

- **A comparison of the familiarity of chronic depression in recurrent early-onset depression pedigrees using different definitions of chronicity** *JOURNAL OF AFFECTIVE DISORDERS*  
Mondimore, F. M., Zandi, P. P., MacKinnon, D. F., McInnis, M. G., Miller, E. B., Schweizer, B., Crowe, R. P., Scheftner, W. A., Weissman, M. A., Levinson, D. F., DePaulo, J. R., Potash, J. B.  
2007; 100 (1-3): 171-177
- **Data acquisition for meta-analysis of genome-wide linkage studies using the genome search meta-analysis method** *34th European Mathematical Genetics Meeting*  
Forabosco, P., Ng, M. Y., Bouzigon, E., Fisher, S. A., Levinson, D. F., Lewis, C. M.  
KARGER.2007: 74-81
- **Reproductive cycle-associated mood symptoms in women with major depression and bipolar disorder** *JOURNAL OF AFFECTIVE DISORDERS*  
Payne, J. L., Roy, P. S., Murphy-Eberenz, K., Weismann, M. M., Swartz, K. L., McInnis, M. G., Nwulia, E., Mondimore, F. M., MacKinnon, D. F., Miller, E. B., Nurnberger, J. I., Levinson, D. F., DePaulo, et al  
2007; 99 (1-3): 221-229
- **Genetics of recurrent early-onset major depression (GenRED): Final genome scan report** *AMERICAN JOURNAL OF PSYCHIATRY*  
Holmans, P., Weissman, M. M., Zubenko, G. S., Scheftner, W. A., Crowe, R. R., DePaulo, J. R., Knowles, J. A., Zubenko, W. N., Murphy-Eberenz, K., Marta, D. H., Boutelle, S., McInnis, M. G., Adams, et al  
2007; 164 (2): 248-258
- **Genetics of recurrent early-onset major depression (GenRED): Significant linkage on chromosome 15q25-q26 after fine mapping with single nucleotide polymorphism markers** *AMERICAN JOURNAL OF PSYCHIATRY*  
Levinson, D. F., Evgrafov, O. V., Knowles, J. A., Potash, J. B., Weissman, M. M., Scheftner, W. A., DePaulo, J. R., Crowe, R. R., Murphy-Eberenz, K., Marta, D. H., McInnis, M. G., Adams, P., Gladis, et al  
2007; 164 (2): 259-264
- **Statistical corrections of linkage data suggest predominantly cis regulations of gene expression.** *BMC proceedings*  
Shi, J., Siegmund, D. O., Levinson, D. F.  
2007; 1: S145-?
- **Familial aggregation of illness chronicity in recurrent, early-onset major depression pedigrees** *AMERICAN JOURNAL OF PSYCHIATRY*  
Mondimore, F. M., Zandi, P. P., MacKinnon, D. F., McInnis, M. G., Miller, E. B., Crowe, R. P., Scheftner, W. A., Marta, D. H., Weissman, M. M., Levinson, D. F., Murphy-Eberenz, K. P., DePaulo, J. R., Potash, et al  
2006; 163 (9): 1554-1560
- **Association study of the dystrobrevin-binding gene with schizophrenia in Australian and Indian samples** *TWIN RESEARCH AND HUMAN GENETICS*  
Holliday, E. G., Handoko, H. Y., James, M. R., McGrath, J. J., Nertney, D. A., Tirupati, S., Thara, R., Levinson, D. F., Hayward, N. K., Mowry, B. J., Nyholt, D. R.  
2006; 9 (4): 531-539
- **The genetics of depression: A review** *BIOLOGICAL PSYCHIATRY*  
Levinson, D. F.  
2006; 60 (2): 84-92
- **Association analyses of the neuregulin 1 gene with schizophrenia and manic psychosis in a Hispanic population** *ACTA PSYCHIATRICA SCANDINAVICA*  
Walss-Bass, C., Raventos, H., Monter, A. P., Armas, R., Dassori, A., Contreras, S., Liu, W., Medina, R., Levinson, D. F., PEREIRA, M., Leach, R. J., Almasly, L., Escamilla, et al  
2006; 113 (4): 314-321
- **Genomewide linkage scan of 409 European-ancestry and African American families with schizophrenia: Suggestive evidence of linkage at 8p23.3-p21.2 and 11p13.1-q14.1 in the combined sample** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Suarez, B. K., Duan, J. B., Sanders, A. R., Hinrichs, A. L., Jin, C. H., Hou, C. P., Buccola, N. G., Hale, N., Weilbaecher, A. N., Nertney, D. A., Olincy, A., Green, S., Schaffer, et al  
2006; 78 (2): 315-333
- **Is perinatal depression familial?** *JOURNAL OF AFFECTIVE DISORDERS*  
Murphy-Eberenz, K., Zandi, P. P., March, D., Crowe, R. R., Scheftner, W. A., Alexander, M., McInnis, M. G., Coryell, W., Adams, P., DePaulo, J. R., Miller, E. B., Marta, D. H., Potash, et al  
2006; 90 (1): 49-55
- **The effect of linkage disequilibrium on linkage analysis of incomplete pedigrees** *14th Genetic Analysis Workshop*

Levinson, D. F., Holmans, P.  
BIOMED CENTRAL LTD.2005

- **GSMA: software implementation of the genome search meta-analysis method** *BIOINFORMATICS*  
Pardi, F., Levinson, D. F., Lewis, C. M.  
2005; 21 (24): 4430-4431
- **Direct profiling of the cerebellum by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: A methodological study in postnatal and adult mouse** *JOURNAL OF NEUROSCIENCE RESEARCH*  
Laurent, C., Levinson, D. F., Schwartz, S. A., Harrington, P. B., Markey, S. P., CAPRIOLI, R. M., Levitt, P.  
2005; 81 (5): 613-621
- **Lithium and valproic acid treatments reduce PKC activation and receptor-G protein coupling in platelets of bipolar manic patients** *JOURNAL OF PSYCHIATRIC RESEARCH*  
Hahn, C. G., Umapathy, Wang, H. Y., Koneru, R., Levinson, D. F., Friedman, E.  
2005; 39 (4): 355-363
- **Meta-analysis in psychiatric genetics.** *Current psychiatry reports*  
Levinson, D. F.  
2005; 7 (2): 143-151
- **Comparison of single-nucleotide polymorphisms and microsatellite markers for linkage analysis in the COGA and simulated data sets for genetic analysis workshop 14: Presentation groups 1, 2, and 3** *14th Genetic Analysis Workshop*  
Wilcox, M. A., Pugh, E. W., Zhang, H. P., Zhong, X. Y., Levinson, D. E., Kennedys, G. C., Wijsman, E. M.  
WILEY-LISS.2005: S7-S28
- **Polymorphisms in the trace amine receptor 4 (TRAR4) gene on chromosome 6q23.2 are associated with susceptibility to schizophrenia** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Duan, J. B., Martinez, M., Sanders, A. R., Hou, C. P., Saitou, N., Kitano, T., Mowry, B. J., Crowe, R. R., Silverman, J. M., Levinson, D. F., Gejman, P. V.  
2004; 75 (4): 624-638
- **Multicenter linkage study of schizophrenia loci on chromosome 22q** *MOLECULAR PSYCHIATRY*  
Mowry, B. J., Holmans, P. A., Pulver, A. E., GEJMAN, P. V., Riley, B., Williams, N. M., Laurent, C., Schwab, S. G., Wildenauer, D. B., Bauche, S., Owen, M. J., Wormley, B., Sanders, et al  
2004; 9 (8): 784-795
- **Genomewide significant linkage to recurrent, early-onset major depressive disorder on chromosome 15q** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Holmans, P., Zubenko, G. S., Crowe, R. R., DePaulo, J. R., Scheftner, W. A., Weissman, M. M., Zubenko, W. N., Boutelle, S., Murphy-Eberenz, K., Mackinnon, D., McInnis, M. G., Marta, D. H., Adams, et al  
2004; 74 (6): 1154-1167
- **Examination of IMPA1 and IMPA2 genes in manic-depressive patients: association between IMPA2 promoter polymorphisms and bipolar disorder** *MOLECULAR PSYCHIATRY*  
Sjoholt, G., Ebstein, R. P., Lie, R. T., Berle, J. O., Mallet, J., DeLeuze, J. F., Levinson, D. F., Laurent, C., Mujahed, M., Bannoura, I., Murad, I., Molven, A., Steen, et al  
2004; 9 (6): 621-629
- **Tumor necrosis factor haplotype analysis amongst schizophrenia probands from four distinct populations in the Asia-Pacific region** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*  
Handoko, H. Y., Nancarrow, D. J., Hayward, N. K., Ohaeri, J. U., Aghanwa, H., McGrath, J. J., Levinson, D. F., Johns, C., Walters, M. K., Nertney, D. A., Srinivasan, T. N., Thara, R., Mowry, et al  
2003; 121B (1): 1-6
- **Genome scan meta-analysis of schizophrenia and bipolar disorder, part III: Bipolar disorder** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Segurado, R., Detera-Wadleigh, S. D., Levinson, D. F., Lewis, C. M., Gill, M., Nurnberg, J. I., Craddock, N., DePaulo, J. R., Baron, M., Gershon, E. S., Ekholm, J., Cichon, S., Turecki, et al  
2003; 73 (1): 49-62
- **Genome scan meta-analysis of schizophrenia and bipolar disorder, part II: Schizophrenia** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Lewis, C. M., Levinson, D. F., Wise, L. H., DeLisi, L. E., Straub, R. E., Hovatta, I., Williams, N. M., Schwab, S. G., Pulver, A. E., Faraone, S. V., Brzustowicz, L. M., Kaufmann, C. A., Garver, et al

2003; 73 (1): 34-48

- **Genome scan meta-analysis of schizophrenia and bipolar disorder, part I: Methods and power analysis** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Levinson, D. F., Levinson, M. D., Segurado, R., Lewis, C. M.  
2003; 73 (1): 17-33
- **Genetics of recurrent early-onset depression (GenRED): Design and preliminary clinical characteristics of a repository sample for genetic linkage studies** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*  
Levinson, D. F., Zubenko, G. S., Crowe, R. R., DePaulo, R. J., Scheftner, W. S., Weissman, M. M., Holmans, P., Zubenko, W. N., Boutelle, S., Murphy-Eberenz, K., Mackinnon, D., McInnis, M. G., Marta, et al  
2003; 119B (1): 118-130
- **CAG repeat Polymorphisms in KCNN3 (HSKCa3) and PPP2R2B show no association or linkage to schizophrenia** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*  
Laurent, C., Niehaus, D., Bauche, S., Levinson, D. F., Soubigou, S., Pimstone, S., Hayden, M., Mbanga, I., Emsley, R., DeLeuze, J. F., Mallet, J.  
2003; 116B (1): 45-50
- **Polymorphisms in the 5'-untranslated region of the human serotonin receptor 1B (HTR1B) gene affect gene expression** *MOLECULAR PSYCHIATRY*  
Duan, J., Sanders, A. R., Vander Molen, J., Martinolich, L., Mowry, B. J., Levinson, D. F., Crowe, R. R., Silverman, J. M., GEJMAN, P. V.  
2003; 8 (11): 901-910
- **No major schizophrenia locus detected on chromosome 1q in a large multicenter sample** *SCIENCE*  
Levinson, D. F., Holmans, P. A., Laurent, C., Riley, B., Pulver, A. E., GEJMAN, P. V., Schwab, S. G., Williams, N. M., Owen, M. J., Wildenauer, D. B., Sanders, A. R., Nestadt, G., Mowry, et al  
2002; 296 (5568): 739-741
- **The Lifetime Dimensions of Psychosis Scale (LDPS): Description and interrater reliability** *SCHIZOPHRENIA BULLETIN*  
Levinson, D. F., Mowry, B. J., Escamilla, M. A., Faraone, S. V.  
2002; 28 (4): 683-695
- **Protecting the privacy of family members in research** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*  
Levinson, D. F., Reich, T., Todd, R. D., Weissman, M. M., Crowe, R. R., Delisi, L., Faraone, S. V., Folstein, S., Pelias, M. K., Pulver, A. E., Silverman, J. M.  
2001; 285 (15): 1960-1961
- **Genetic diversity of the human serotonin receptor 1B (HTR1B) gene** *GENOMICS*  
Sanders, A. R., Cao, Q. H., Taylor, J., Levin, T. E., Badner, J. A., Cravchik, A., Comeron, J. M., Naruya, S., del Rosario, A., Salvi, D. A., Walczyk, K. A., Mowry, B. J., Levinson, et al  
2001; 72 (1): 1-14
- **Simulation studies of detection of a complex disease in a partially isolated population** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Levinson, D. F., Kirby, A., Slepner, S., Nolte, I., Spijker, G. T., te Meerman, G.  
2001; 105 (1): 65-70
- **Haplotype sharing tests of linkage disequilibrium in a Hutterite asthma data set** *Genetic Analysis Workshop 12 (GAW12)*  
Levinson, D. F., Nolte, I., Meerman, G. J.  
WILEY-BLACKWELL.2001: S308-S311
- **Introduction: Linkage disequilibrium and combined linkage and LD mapping of asthma-related genes** *GENETIC EPIDEMIOLOGY*  
Levinson, D. F.  
2001; 21: S290-S291
- **Second stage of a genome scan of schizophrenia: Study of five positive regions in an expanded sample** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Mowry, B. J., Ewen, K. R., Nancarrow, D. J., Lennon, D. P., Nertney, D. A., Jones, H. L., O'Brien, M. S., Thornley, C. E., Walters, M. K., Crowe, R. R., Silverman, J. M., Endicott, J., Sharpe, et al  
2000; 96 (6): 864-869
- **Evidence for linkage by transmission disequilibrium test analysis of a chromosome 22 microsatellite marker D22S278 and bipolar disorder in a Palestinian Arab population** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Mujaheed, M., Corbex, M., Lichtenberg, P., Levinson, D. F., DeLeuze, J. F., Mallet, J., Ebstein, R. P.  
2000; 96 (6): 836-838

- **Identification and analysis of error types in high-throughput genotyping** *AMERICAN JOURNAL OF HUMAN GENETICS*  
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2000; 67 (3): 727-736
- **Multicenter linkage study of schizophrenia candidate regions on chromosomes 5q, 6q, 10p, and 13q: Schizophrenia linkage collaborative group III** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Levinson, D. F., Holmans, P., Straub, R. E., Owen, M. J., Wildenauer, D. B., GEJMAN, P. V., Pulver, A. E., Laurent, C., Kendler, K. S., Walsh, D., Norton, N., Williams, N. M., Schwab, et al  
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- **Is akathisia associated with poor clinical response to antipsychotics during acute hospital treatment?** *GENERAL HOSPITAL PSYCHIATRY*  
Luthra, V., Pinninti, N. R., Yoder, K., Musthaq, M. S., Umapathy, C., Levinson, D. F.  
2000; 22 (4): 276-280
- **No support for linkage to the bipolar regions on chromosomes 4p, 18p, or 18q in 43 schizophrenia pedigrees** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Nancarrow, D. J., Levinson, D. F., Taylor, J. M., Hayward, N. K., Walters, M. K., Lennon, D. P., Nertney, D. A., Jones, H. L., Mahtani, M. M., Kirby, A., Kruglyak, L., Brown, D. M., Crowe, et al  
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- **Psychiatric adverse events during vigabatrin therapy** *NEUROLOGY*  
Levinson, D. F., Devinsky, O.  
1999; 53 (7): 1503-1511
- **Follow-up study on a susceptibility locus for schizophrenia on chromosome 6q** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Martinez, M., Goldin, L. R., Cao, Q. H., Zhang, J., Sanders, A. R., Nancarrow, D. J., Taylor, J. M., Levinson, D. F., Kirby, A., Crowe, R. R., Andreasen, N. C., Black, D. W., Silverman, et al  
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- **Treatment of schizoaffective disorder and schizophrenia with mood symptoms** *AMERICAN JOURNAL OF PSYCHIATRY*  
Levinson, D. F., Umapathy, C., Musthaq, M.  
1999; 156 (8): 1138-1148
- **Burden and well-being of caregivers for the severely mentally ill: the role of coping style and social support** *SCHIZOPHRENIA RESEARCH*  
Webb, C., Pfeiffer, M., Mueser, K. T., Gladis, M., Mensch, E., DeGirolamo, J., Levinson, D. F.  
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- **Chromosome 22 workshop.** *Psychiatric genetics*  
Levinson, D. F., Coon, H.  
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- **Genome scan of schizophrenia** *AMERICAN JOURNAL OF PSYCHIATRY*  
Levinson, D. F., Mahtani, M. M., Nancarrow, D. J., Brown, D. M., Kruglyak, L., Kirby, A., Hayward, N. K., Crowe, R. R., Andreasen, N. C., Black, D. W., Silverman, J. M., Endicott, J., Sharpe, et al  
1998; 155 (6): 741-750
- **The molecular genetics of schizophrenia: an update** *AUSTRALIAN AND NEW ZEALAND JOURNAL OF PSYCHIATRY*  
Mowry, B. J., Nancarrow, D. J., Levinson, D. F.  
1997; 31 (5): 704-713
- **A linkage study of schizophrenia to markers within Xp11 near the MAOB gene.** *Psychiatry research*  
Dann, J., DeLisi, L. E., Devoto, M., Laval, S., Nancarrow, D. J., Shields, G., Smith, A., Loftus, J., Peterson, P., Vita, A., Comazzi, M., Invernizzi, G., Levinson, et al  
1997; 70 (3): 131-143
- **Pragmatics and statistics in psychiatric genetics** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
Levinson, D. F.  
1997; 74 (2): 220-222
- **Linkage analysis of complex disorders with multiple phenotypic categories: Simulation studies and application to bipolar disorder data** *Genetic Analysis Workshop 10 (GAW10)*

Levinson, D. F.  
WILEY-BLACKWELL.1997: 653-58

- **Family burden of schizophrenia and bipolar disorder: Perceptions of relatives and professionals** *PSYCHIATRIC SERVICES*  
Mueser, K. T., Webb, C., Pfeiffer, M., Gladis, M., Levinson, D. F.  
1996; 47 (5): 507-511
- **Penetrance of schizophrenia-related disorders in multiplex families after correction for ascertainment** *GENETIC EPIDEMIOLOGY*  
Levinson, D. F., Mowry, B. J., Sharpe, L., Endicott, J.  
1996; 13 (1): 11-21
- **FLUPHENAZINE PLASMA-LEVELS, DOSAGE, EFFICACY, AND SIDE-EFFECTS** *AMERICAN JOURNAL OF PSYCHIATRY*  
Levinson, D. F., Simpson, G. M., Lo, E. S., COOPER, T. B., Singh, H., Yadalam, K., STEPHANOS, M. J.  
1995; 152 (5): 765-771
- **Detection of vulnerability loci by association and sib-pair methods** *Genetic Analysis Workshop 9 - Analysis of Complex Oligogenic Traits (GAW9)*  
Levinson, D. F.  
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- **DELUSIONS IN SCHIZOPHRENIA SPECTRUM DISORDERS - DIAGNOSTIC ISSUES** *SCHIZOPHRENIA BULLETIN*  
Gladis, M. M., Levinson, D. F., Mowry, B. J.  
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- **SCHIZOTYPAL AND PARANOID PERSONALITY-DISORDER IN THE RELATIVES OF PATIENTS WITH SCHIZOPHRENIA AND AFFECTIVE-DISORDERS - A REVIEW** *SCHIZOPHRENIA RESEARCH*  
Webb, C. T., Levinson, D. F.  
1993; 11 (1): 81-92
- **CONTINUITY AND DISCONTINUITY OF AFFECTIVE-DISORDERS AND SCHIZOPHRENIA - RESULTS OF A CONTROLLED FAMILY STUDY** *ARCHIVES OF GENERAL PSYCHIATRY*  
Maier, W., Lichtermann, D., Minges, J., Hallmayer, J., Heun, R., Benkert, O., Levinson, D. F.  
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- **POWER TO DETECT LINKAGE WITH HETEROGENEITY IN SAMPLES OF SMALL NUCLEAR FAMILIES** *AMERICAN JOURNAL OF MEDICAL GENETICS*  
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- **GENETIC-LINKAGE AND SCHIZOPHRENIA - METHODS, RECENT FINDINGS AND FUTURE-DIRECTIONS** *AUSTRALIAN AND NEW ZEALAND JOURNAL OF PSYCHIATRY*  
Mowry, B. J., Levinson, D. F.  
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- **THE TREATMENT AND MANAGEMENT OF NEUROLEPTIC MALIGNANT SYNDROME** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*  
Gratz, S. S., Levinson, D. F., Simpson, G. M.  
1992; 16 (4): 425-443
- **TIMING OF ACUTE CLINICAL-RESPONSE TO FLUPHENAZINE** *BRITISH JOURNAL OF PSYCHIATRY*  
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