Curriculum Vitae

Name: Marilyn A. Davies

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Education and Training

Undergraduate		
1967-1970	University of Pittsburgh	B.S.N.
	Pittsburgh, Pennsylvania	Nursing

Graduate1973-1977University of PittsburghM.S.N.Pittsburgh, PennsylvaniaPsychiatric Mental Health
Nursing

Postgraduate

Academic

1980-1985 University of Pittsburgh Pittsburgh, Pennsylvania Psychiatric Epidemiology

Appointments and Positions

2006-present	University of Pittsburgh School of Nursing Pittsburgh, Pennsylvania	Assistant Professor Department of Health and Community Systems
2006-2016	Case Western Reserve University Cleveland, Ohio	Adjunct Faculty Department of Psychiatry
1989-2006	Case Western Reserve University Cleveland, Ohio	Assistant Professor Department of Psychiatry
1997-2006	Veterans Administrations Center Cleveland, Ohio	Medical Researcher
1995-1996	Case Western Reserve University Cleveland, Ohio	Assistant Professor Chief, Family Study Section Department of Psychiatry

1994-2006	Case Western Reserve University Cleveland, Ohio	Assistant Professor (secondary) Center for Adolescent Health
1988-1989	University of Pittsburgh Pittsburgh, Pennsylvania	Instructor Program of Epidemiology
1987-1988	University of Pittsburgh Pittsburgh, Pennsylvania	Instructor in Psychiatry Department of Psychiatry
1976-1978	University of Pittsburgh School of Nursing Pittsburgh, Pennsylvania	Clinical Instructor, Psychiatry
Non-Academic		
2001-2003	University Hospitals of Cleveland Case Western Reserve University Cleveland, Ohio	Manager, Adult Clinical Program
1989-1996	University Hospitals of Cleveland Cleveland, Ohio	Vice President Psychiatry Services
1978-1988	Western Psychiatric Inst.&Clinic Pittsburgh, Pa	Senior Administrator
1976-1978	University of Pittsburgh School of Nursing	Clinical Instructor,
1974-1976	Veterans Admin. Hospital Pittsburgh, Pa.	Staff Nurse/ Head Nurse
1973-1974	Altoona Hospital Community Mental Health Center	Assistant Coordinator Intensive Care
1971-1973	St. Francis General Hospital School of Nursing	Clinical Instructor Psychiatric Nursing
1970-1971	Pittsburgh, Pa. Magee-Women's Hospital Pittsburgh, Pa.	Staff Nurse Medical Surgical

Licensure and Certification

RLN179381L	Pennsylvania Nursing License (active; expires 10/31/2017)
2006	University of Pittsburgh Research Practice Fundamentals Module I: Research

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Membership in Professional and Scientific Societies

1970-current	Sigma Theta Tau (Eta Chapter), 2008-2011 Vice-President
2008-2016	Member, American Nurses Association
2008-2013	Member, American Psychiatric Nurses Association
2008 - 2015	Member, International Society of Nurses in Genetics, Member,
	Research Committee

Honors

1990	YWCA Career Woman of Achievement Award. Cleveland, Ohio
1990-92	Ohio Department of Mental Health Research Fellow Award.
1995-96	Scholars Award. Cosponsored by Depts. of Psychiatry/Genetics. Case Western Reserve University

Publications

Refereed Articles *=Data Based

- 1. Kyes, J.J. and **Davies, M.A.** Pseudocommunication is the nurse-patient game. (1982). *Nurs Life*, 2 (1), 50-54.
- *Munetz M.R. and Davies M.A. (1987). Smoking by patients. *Hosp Community Psychiatry*, 38 (4), 413-414.
- 3. ***Davies M.A**, Munetz M.R., Schulz S.C., & Bromet E.J. (1987) Assessing mental illness in SRO shelter residents. *Hosp Community Psychiatry*, *38* (10), 1114-116.
- *Davies M.A., Bromet E.J., Schulz S.C., Dunn L.O., & Morgenstern M. (1989). Community adjustment of chronic schizophrenic patients in urban and rural settings. *Hosp Community Psychiatry*, 40 (8), 824-30.
- *Davies M.A., Conley, R., Schulz S.C. & Bell-Delaney J. (1991). One-year follow-up of 24 patients in a clinical trial of clozapine. *Hospital and Community Psychiatry*. 42(6), 628-629.
- *Kahn E.M., Munetz, M.R., Davies M.A., & Schulz, S.C. (1992) Akathisia: Clinical phenomenology and relationship to tardive dyskinesia. *Comprehensive Psychiatry*. 33(4), 233-236.
- *Meltzer H.Y., Cola P.A., Way L., Snitz B., Bastani B., Davies M.A., & Thompson P.A. Cost effectiveness of clozapine in neuroleptic-resistant schizophrenia. (1993) *American Journal of Psychiatry*, 150 (11), 1630-1638.
- *Vincent J.B., Neves-Pereira M.L., Paterson A.D., Yamamoto E., Parikh S.V., Macciardi F., Gurling H.M., Potkin S.C., Pato C.N., Macedo A., Kovacs M., Davies M., Lieberman J.A., Meltzer H.Y., Petronis A., & Kennedy J.L. (2000) An unstable trinucleotide-repeat region on chromosome implicated in spinocerebellar ataxia: a common expansion locus. *Am J Hum Genet*. 66 (3): 819-29.

- 9. *Sajatovic M., **Davies M.**, & Hrouda D.R. Enhancement of treatment adherence among patients with bipolar disorder.(2004) *Psychiatr Serv.*, 55(3), 264-269
- *Calabrese J.R., Hirschfeld R.M., Reed M., Davies M.A., Frye M.A., Keck P.E., Lewis L., McElroy S.L., McNulty J.P., & Wagner K.D. (2003) Impact of bipolar disorder on a U.S. community sample. *Clin Psychiatry*, 64(4), 425-432.
- *Hirschfeld R.M., Calabrese J.R., Weissman M.M., Reed M., Davies M.A., Frye M.A., Keck P.E. Jr, Lewis L., McElroy S.L., McNulty J.P., & Wagner KD. (2003) Screening for bipolar disorder in the community. *J Clin Psychiatry*, 64(1), 53-59.
- *Hirschfeld R.M., Holzer C., Calabrese J.R., Weissman M., Reed M., Davies M., Frye M.A., Keck P., McElroy S., Lewis L., Tierce J., Wagner K.D., & Hazard E.(2003) Validity of the mood disorder questionnaire: a general population study.*Am J Psychiatry*, 160(1),178-180.
- 13. **Davies M.A.**, Sheffler D.J., &Roth B.L. (2004) Aripiprazole: A Novel Atypical Antipsychotic Drug With a Uniquely Robust Pharmacology *CNS Drug Review 10*(4),317-36.
- *Davies M.A., Compton-Toth B.A., Hufeisen S.J., Meltzer H.Y., Roth B.L. (2005)The highly efficacious actions of N-desmethylclozapine at muscarinic receptors are unique and not a common property of either typical or atypical antipsychotic drugs: is M1 agonism a pre-requisite for mimicking clozapine's actions? *Psychopharmacology* (*Berl*), 178(4), 451-460.
- 15. *Sajatovic M., **Davies M.**, Bauer M.S., McBride L., Hays R.W., Safavi R., & Jenkins J. (2005)Attitudes regarding the collaborative practice model and treatment adherence among individuals with bipolar disorder.*Comprehensive Psychiatry*, *46*(4), 272-277.
- *Davies M.A., Setola V., Strachan R., Sheffler D.J., Salay E., Hufeisen S.J., and Roth B.L. Pharmacological confirmation that functional SNPs in the coding region of the human 5-HT_{2A} receptor are associated with alterations in the pharmacology of selected agonists and antagonists in HEK-293 cells. (2006) *The Pharmacogenomics Journal* 6(1), 42-51.
- Davies M.A., McBride L., & Sajatovic M. (2009) The Collaborative Practice Model in the Long Term Care of Individuals with Bipolar Disorder: A Case Study. Journal of Psychiatric and Mental Health Nursin 15. 649-653
- *Sajatovic M, Davies MA, Ganocy SJ, Bauer MS, Cassidy KA, Hays RW, Safavi R, Blow FC, Calabrese JR. A comparison of the life goals program and treatment as usual for individuals with bipolar disorder. Psychiatr Serv. 2009 Sep;60(9):1182-9.
- *Davies MA Conley Y and Roth B. (2010) Functional SNPs in genes encoding the 5HT_{2A} receptor modify the affinity and potency of several atypical antipsychotic drugs. Biological Research in Nursing Jan 21. [Epub ahead of print]
- 20. ***Davies MA,** Conley Y and Puskar K (2010) Incorporating evidence from pharmacologic and pharmacogenetic studies of atypical antipsychotic drugs into advance psychiatric nursing practice. *Perspectives in Psychiatric Care* Apr;46(2):98-107.
- *Garand, L, Matthews J, Courtney, K, Davies M, Lingler JH, Schlenk EA, Yang K, Bender CM and Burke L. (2010) Development and Use of a Tool to Guide Junior Faculty in Their Progression Toward Promotion and Tenure. *Journal of Professional Nursing* Jul-Aug;26(4):207-13.
- 22. Schutte DL, **Davies MA**, and Goris ED (2013). The implications of genomics on the nursing care of adults with neuropsychiatric conditions. *J Nurs Scholarsh* March, 45 (1): 79-88. Doi:10.1111/jnur.12006.

- 23. * Moreno, F, Erickson RP, Garriock HA, Oas-Terpstra J, Gelernter J, **Davies M**, Delgado PL (2013) Association Study of Genotype by Depressive Response during Tryptophan Depletion in Subjects Recovered from Major Depression (submitted to *Molecular Psychiatry*).
- 24. Mitchell A, **Davies M**, Cassesse, C and Curran R.(2014) Antidepressant Use in Children, Adolescents, and Young Adults: Ten Years after the Food and Drug Administration (FDA) Black Box Warnings. *The Journal for Nurse Practitioners* March, 10 (3): 149-156.
- 25. **Davies M** and Stilley C. (2014) Personality traits in adults with ADHD: Implications for clinical practice. *The Journal for Nurse Practitioners* March 2015 Volume 11, Issue 3, Pages 314–320.
- 26 *Davies MA, Terhorst L, Nakonechny AJ, Skukla N, El Saadawi G.
 "The development and effectiveness of a web-based health information toolkit designed to improve parents' self-efficacy in managing risk for obesity in healthy preschoolers" *Journal for Specialists in Pediatric Nursing* 2014 Oct;19(4):316-30. doi: 10.1111/jspn.12086. Epub 2014 Aug 27.
- 27.*Davies MA, <u>Terhorst L</u>, <u>Zhang P</u>, <u>Nakonechny AJ</u>, <u>Nowalk MP</u>. Pilot Study of a Computer-Based Parental Questionnaire and Visual Profile of Obesity Risk in Healthy Preschoolers. J *Pediatr Nurs.* 2015 Nov-Dec;30 (6):e45-52. doi: 10.1016/j.pedn.2015.02.008. Epub 2015 Mar 24.
- 28.*Moreno FA, Erickson RP, Garriock HA, Gelernter J, Mintz J, Oas-Terpstra J, Davies MA, Delgado PL. Association Study of Genotype by Depressive Response during Tryptophan Depletion in Subjects Recovered from Major Depression. *Mol Neuropsychiatry*. 2015 Oct;1(3):165-174. Epub 2015 Sep 24.

Published Abstracts

- 1.Davies M.A., Cooley S., Lichius K. & Cola D. (1995). Depressive symptoms in chronic schizophrenia: A 12 year follow up study [Abstract]. Schizophrenia Research, 15 (1) 191m.
- **2. Davies M.A.**, Gombrich M., Dawson D., & Findling R.L. (1999) A genetic analysis of an informative pedigree with four affected offspring [Abstract]. *American Journal of Human Genetics*, October.
- **3. Davies M.A.**, Gombrich M., Kennedy J.L., Vincent J.B. & Schulz C. (1999) An exploration of expanded trinucleotide repeats in early onset patients with schizophrenia and bipolar illness [Abstract]. *Schizophrenia Research.*, Spring.

Book Chapters and Books

- 1. Foley, T. & Davies, M. (1983). Rape-nursing care of victims St. Louis, Mosby.
- Schulz S.C., Findling R.L. & Davies M.A (2002). Studies of Adolescents with Schizophrenia. In Zipursky, R and Schulz, SC (eds) *The Early Stages of Schizophrenia* (pp. 191-104) Washington, DC: American Psychiatric Press.
- 3. **Davies M.A.,** Calabrese J.R. & Delgado P. (eds.) (2004) *Walking on Eggshells: A Resource Book for Families facing the Challenge of Major Mental Illness.* Department of Psychiatry, Case Western Reserve University, Cleveland, Ohio.
- 4. **Davies, M**., Chang, C & Roth B.L.(2006) Polymorphic and Posttranscriptional Modifications of 5-HT Receptor Structure. In B.L. Roth (Ed) *The Serotonic Receptors:*

From Molecular Pharmacology to Human Therapeutics (pp.59-90). New Jersey: Humana Press.

Other Publications:

Master's thesis (1977): Family Structure, Aftercare and Post-Hospital Outcome for Schizophrenic Patients. School of Nursing, University of Pittsburgh, Pittsburgh, Pa.

Doctoral dissertation (1985,) *Community adjustment of chronic schizophrenic patients in urban and rural settings*. Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa.

Research

Principal Investigator

- 1. 2008-2010 "Candidate Genes in the Serotonin System and Primary Pulmonary Hypertension (PPH) in Adults" **Davies, MA**,McIntyreD,, and Mathier, M. Division of Pulmonary Hypertension, UPMC
- 2. 2008-2010 "Why some patients with early psychosis-and not others-respond to atypical antipsychotic drugs: a pharmacogenetic study." **Davies MA**, Cho<u>R</u>. University of Pittsburgh
- 3. 2009 "Health Information for Parents and Caregivers of Preschoolers" **Davies MA**, El Saasawi G and Havil A. University of Pittsburgh
- 4. 2010-Present "Providing health information to low-income parents of young children with excess weight gain" Davies MA, Schelbert K, Nowalk T and Terhorst L., University of Pittsburgh
- 5. 2009-present "The Challenge of Providing Health Information to Parents and Caregivers of Children at Risk for Overweight", University of Pittsburgh School of Nursing, Ruth Perkins Kuehn Memorial Fund.
- 6. 2009 "Why some patients and not others respond to AADs", **Davies MA** Internal Funding, University of Pittsburgh School of Nursing.
- 7.2007-2009 **Davies MA** Scibilia J, Sweeney K and Ren D. "Genetic Predisposition, Child Temperament and Family Function as Predictors of Weight Loss in Overweight Children"
- 8. 2003-2006 **Davies MA,** Roth B. Functional Effects of Serotoin 5-HT2A receptor single nucleotide polymorphisms on the in vitro pharmacology of atypical antipsychotics and agonists. Dept. of Biochemistry, Case University. (administrative supplement)
- 9. 1995 Thomson K and **Davies M**.(CoPI) Music Therapy in an Acute Psychiatry Center. Kulas Foundation, Cleveland, Ohio.
- 10. 1994-1998 **Davies MA**, Schulz SC, Robbins FC: Family Burden and Coping with Psychotic Adolescents. Sihler Mental Health Foundation.
- 11.1992-1993 **Davies MA**, Meltzer HY, Schulz SC: Dopaminergic & Serotonergic Responsivity in First Degree Relatives of Schizophrenic Probands. Scottish Rite Schizophrenia Research Program.
- 12.1990-1992 **Davies MA**. Psychosocial Issues Related to New Pharmacological Treatments in Schizophrenia. National Alliance for Research on Schizophrenia and Depression (NARSAD)
- 13.1989-1990 Davies MA. Depressive Symptoms in Chronic Schizophrenia: Ten-Year Followup Study. Mental Health Clinical Research Center for Affective Disorders, Univ.of Pittsburgh, Pittsburgh, Pa.

Co-Investigator

1. D11HP07336 Lisa Bernardo (PI) 2006-present HRSA The ABCD-iet Program: Intervening with Minority Youth.

- 2. R01 MH57635-09S1 Roth (PI) 2003-2006 NIMH. Structural Domains Essential for Serotonin Receptor Pharmacology. Administrative Supplement
- 3. P20 066054-01A1Calabrese (PI) 9/1/2002-8/31/2007 NIMH Psychosocial Intervention to Promote Treatment Adherence among Individuals with Bipolar Disorder Treated in a Community Setting.
- 4. 1RO1 MHO66235-01 Moreno (PI) 2003-2006 NIMH TRP Depletion: A Phenotypic Marker of Depression. Case. Site for Multicenter Study (PI: Moreno)
- 5. MH-41684 Schulz 09/01/96-08/31/98 NIH-NIMH CRC Grant Schulz(PI) 1996-1998

Other Scholarly Activities

Educational or Training Grants

2006-2011 Faculty Grant Number 5T32NR009759-02 Dorman, J (PI) 2006-2011 Targeted Research and Academic Training of Nurses in Genomics

2009-Present Innovations in Education Award, University of Pittsburgh Project Title: Developing a Video Resource to Enhance the Learning of Nursing Core Competencies in Genetics and Genomics University of Pittsburgh Center for Innovations in Education

Unpublished Presentations

International:

- Davies MA, Crawford JT, Jendrey, L R, Gordon, Kronk R, Bender C and Davies K. A Demonstration of Nursing Competencies for Genetics and Genomics, ISONG International Conference Philadelphia, Pa 2012.
- 2. **Davies MA**, Conley Y, and Puskar K. (2009, November) Incorporating evidence from pharmacogenetic studies of atypical antipsychotic drugs into psychiatric nursing practice: a conceptual framework International Society of Nurses in Genetics, Philadelphia, Pa.
- 3. **Davies M.A.**, (2009, November) Sajatovic, M, Cassidy K and Davis K. *A Typology of Family Functioning as Perceived by Adults with Bipolar Disorder*. Presented at: 40th Biennial Convention Sigma Theta Tau International, Indianapolis, Indiana.
- 4. **Davies MA.** (2008, October) A Typology of Family Functioning as Perceived by Adults with Bipolar Disorder Greater Pittsburgh 20th Annual Nursing Research Conference, Pittsburgh, Pa.
- 5. Davies, M.A. and Schulz S.C (1999, April) Cognitive Attributions in Parents of Adolescents with Schizophrenia and Bipolar Illness: Their Relationship to Personal and Family Functioning Poster presented at International Congress on Schizophrenia, Sante Fe, N.M.
- 6. Davies M.A. (1995, April) *Depressive Symptoms in Chronic Schizophrenia: A 12 Year Follow-up Study.* Poster. International Congress on Schizophrenia, Warm Springs, Va.
- 7. **Davies M.A.**, Cola D. and Schulz SC. (1995, April) Patients' Perceptions of Family Environment. Poster International Congress on Schizophrenia, Warm Springs, Va.

National:

- **1.Davies MA**, Brumbaugh, C and Puskar K. CBT for Depressed Adolescents. Youth-at-Risk Conference, Savannah, Georgia, 2015.
- 2.Davies MA. A feasibility study of a health information toolkit designed to enhance parental selfefficacy in managing skills related to the prevention of childhood obesity. Pediatric Nursing Conference, Pittsburgh, Pa. October, 2012.
- 2. Davies MA Bartos, C. E., Terhorst, L., Shukla, N., Nakonechny, A. J, Nowalk, M.P. and Bhat Schelbert, K. (2011, October) *Development of a Computer-based Screening Tool to Determine a*

Young Child's Risk for Obesity. Children's Hospital of Pittsburgh UPMC Pediatric Nursing Conference, October 1, 2011

- 3. Davies MA (2010, October) Issues and challenges for psychiatric nurses as they integrate genetic core competencies into their clinical practice 24th Annual conference, American Psychiatric Nurses Association (APNA) Louisville, KY
- 3. Davies MA (2010, March) Health Information Prescriptions for Parents and Caregivers of Overweight Children National Initiative for Children's Healthcare Quality (NICHQ) Annual Forum for Improving Children's Healthcare and Childhood Obesity Congress: 10 Years and Growing. Atlanta, Georgia.
- 4. Davies MA (2010, July) *Health Information Prescriptions for Parents and Caregivers of Overweight Children* 21st International Nursing Research Congress, Sigma Theta Tau International, Orlando, Fla.
- 5. Davies MA &Davis K (2010, October) Core competencies for inpatient staff nurses who care for youth being prescribed atypical antipsychotic drugs 24th Annual conference, American Psychiatric Nurses Association (APNA) Louisville, KY
- 6. Davies, MA. (2008, October) Promoting Medication Adherence Among Individuals with Bipolar Disorder: Effectiveness of a Psychosocial Intervention in a Community Mental Health Clinic Setting. American Psychiatric Nurses Association, Minneapolis, Minn.
- 7. Davies, MA, Sajatovic M. (2007, February) Promoting Treatment Adherence among Individuals with Bipolar Disorder: Evidence of Applying the Collaborative Practice Model in a Community Mental Health Clinic Setting Paper presented at 8th "Annual Evidence-Based Practice Conference Translating Research into Best Practice with Vulnerable Populations. Sponsored by Arizona State University, Tucson, Arizona.
- 8. Sajatovic M, **Davies M.** (2003, October) *Treatment Adherence Enhancement in Bipolar Disorder.* Paper Presentation New Research Presentation, Institute on Psychiatric Services, Boston, Massachusetts.
- 9. Davies M. (1997, May) *Needs of Families and Caregivers of Psychotic Adolescents,* Symposium, American Psychiatric Assoc., San Diego, Ca.
- 10. **Davies M.** (1995, May) *Families of patients treated with new medication*, Symposium, American Psychiatric Assoc., Miami, Fla.
- 11. **Davies MA.** (1994, July) *Families of Patients with Schizophrenia: What about caregivers?* Paper presented at NAMI Annual Convention, Austin, Texas.

Local/Regional

- Davies, MA, Bhat-Schelbert, K, Terhorst, L, Zhang, P, Oravetz, RP, Nakonechny, A. J¹ and Nowalk, MP. (2011, October) *The Design and Feasibility of a Computer-based Assessment of Risk for Childhood Obesity*, Greater Pittsburgh Nursing Research Conference, Pittsburgh, Pa.
- 2.. Davies, MA¹, McBride L² & Sajatovic M³ (2008 February) How Do Individuals with Bipolar Disorder Perceive an Effective Provider-patient Relationship? Research and Clinical Poster Session: Sigma Theta Tau International, Eta Chapter, Ninth Annual Research and Clinical Poster Session, Pittsburgh Pa.
- 3. Davies M.A. McBride L., Hays, R. and Sajatovic M. (2007, November). How do individuals with bipolar disorder perceive an effective provider-patients relationship? Poster session presented at the Leo H. Criep Symposium on Patient-Provider Communication, Pittsburgh, Pa.

- 4. Davies M.A. (2007 August) Why do some patients and not others respond to atypical antipsychotic medications? Poster session presented at Pharmacology Update Conference, School of Nursing, Pittsburgh, Pa.
- 5 Davies M.A. (2007 April) (Promoting Adherence in Individuals with Bipolar Disorder: Evidence of Applying the Life Goals Program in a Community Mental Health Clinic Setting. Paper presented at UPMC St. Margaret Clinical Research Forum Innovations in Evidence-Based Practice, Pittsburgh, Pa.
- 6. Davies M.A. (2000, June) *Methods in Psychiatric Genetic*. Seminar at, National Alliance for Mental Illness, Cuyahoga County, Cleveland, Ohio

<u>Service</u>

University Committees

May 2008-2015 Senate Bylaws and Procedures Committee. University of Pittsburg

Other Professional Activities

1. 1985-present Member Sigma Theta Tau, Eta Chapter

 2. 2007-2010 Member, Partnership in Research to Improve Mental Health Outcomes Services (PRIMOS) in Survivors of SARA. Pittsburgh, PA. Pittsburgh Action Against Rape, School of Nursing, Department of Psychiatry, Graduate School of Public Health, University of Pittsburgh.
 3. 2007- 2013 Board of Trustees, Pittsburgh Action Against Rape

4. 2008-2012 Vice President, Sigma Theta Tau International, Eta Chapter

5.2008-2014 -Member, Education Committee International Society of Nurses in Genetics (ISONG)

6. 2014-2017 - Member, Advisory Board, Pittsburgh Action Against Rape

7. 20017 Planning Committee 44TH Annual National Conference of the Professional Nurse Educators Group (PNEG)