

**CURRICULUM VITAE**  
Dedra Stefanie Buchwald, M.D.

**PERSONAL**

Date of birth: August 2, 1952  
Place of birth: Mount Clemens, Michigan  
Citizenship: United States

**EDUCATION**

1973 – 1976 University of California, San Diego, B.A. (Neurobiology)  
1976 – 1981 University of California, San Diego, School of Medicine, M.D.

**POSTGRADUATE TRAINING**

1981 – 1982 Intern, Internal Medicine, North Carolina Memorial Hospital, Chapel Hill, NC  
1982 – 1984 Resident, Internal Medicine, Duke University Medical Center, Durham, NC  
1984 – 1987 Henry J. Kaiser Fellow, General Internal Medicine, Harvard Medical School, Brigham and Women's Hospital, Boston, MA

**FACULTY POSITIONS HELD**

1984 Clinical Associate, Simmons School of Nursing, Boston, MA  
1985 – 1986 Lecturer, Dental Residency Program, Brigham and Women's Hospital, Boston, MA  
1987 – 1988 Acting Assistant Professor of Medicine, University of Washington, Seattle, WA  
1988 – 1993 Assistant Professor of Medicine, University of Washington, Seattle, WA  
1993 – 2000 Associate Professor of Medicine, University of Washington, Seattle, WA  
2010 – 2011 Visiting Professor, Department of Psychiatry, University of Colorado, Boulder, CO  
2000 – present Professor of Medicine, University of Washington, Seattle, WA

**HOSPITAL POSITIONS HELD**

1987 – 1992 Director, Refugee Clinic, Harborview Medical Center, Seattle, WA  
1987 – present Physician, Department of Medicine, Harborview Medical Center, Seattle, WA  
1988 – present Director, Chronic Fatigue Clinic, Harborview Medical Center, Seattle, WA

**HONORS**

1978 Friends Scholarship for Women in Medicine  
1980 Weiss Scholarship  
1980 Thelen Scholarship

- 1981 Graduated with high honors, University of California, San Diego  
1989 Young Investigator Award, National Alliance for Schizophrenia and Depression  
1991 American College of Physicians Traveling Fellowship  
1992 Robert Wood Johnson Fellowship Teaching Award  
2001 Member, American Epidemiology Society  
2002 Jurgens Visiting Professor, University of Nijmegen, Nijmegen, Netherlands (international research award)  
2003 Named as a Best Physician for Women's Health by *Seattle Magazine* based on survey of 5,000 health providers  
2003 Melvin Ramsay Society medalist and lecturer (international research award)  
2003 Nominee, UW Medicine Center of Excellence in Women's Health 2003 Award for Outstanding Mentorship  
2004 Rudy Perpich Memorial Award, American Association for Chronic Fatigue Syndrome (lifetime achievement award)  
2004 Nominee, UW Medicine Center of Excellence in Women's Health Award for Outstanding Mentorship  
2005 Nominee, UW Medicine Center of Excellence in Women's Health Award for Outstanding Mentorship  
2005 Member, Institute of Medicine, Committee on the Health of Gulf War Veterans  
2006 Nominee, UW Lifetime Distinguished Teacher Award  
2007 Nominee, UW Medicine Center of Excellence in Women's Health Award for Outstanding Mentorship  
2010 UW Medicine Award for Excellence in Mentoring Women and Minority Faculty

#### **BOARD CERTIFICATION**

- 1985 Diplomate, American Board of Internal Medicine, Certificate # 099569

#### **LICENSURE**

- 1987 Washington, medical license # 24398

#### **PROFESSIONAL ORGANIZATIONS**

- 1986 – present Member, Society of General Internal Medicine  
1987 – present Member, Washington State Medical Association  
1987 – present Fellow, American College of Physicians

#### **TEACHING RESPONSIBILITIES**

##### *Clinic and Hospital Teaching*

Attending, International Clinic, Harborview Medical Center

Attending, Chronic Fatigue Clinic, Harborview Medical Center

***Mentorship and Supervision*** (\* see Publications section for citation)

**Master's student advisor**

Donna Duffy – Epidemiology (\*149)  
Jeanne Grant – Nutrition Thesis 1994 (\*44)  
Jenny Nyman – Nursing  
Liann Sundquist – Nutrition Thesis 1992 (\*19)

**Ph.D. student research advisor/consultant**

Maria Angeles-Bullones Rodriguez – Psychology (\*188, 197)  
Lester Arguelles – Epidemiology (\*99, 103, 114, 138, 147, 150)  
Twyla Baker-Demaray – Research Methodologies (\*178, 220)  
Britt Conroy – Epidemiology  
Tim Coy – Psychology (\*101)  
Mary Fischer – Epidemiology and Biostatistics (\*84, 86, 91, 137, 157)  
Richard Herrell – Epidemiology and Biostatistics (\*67, 71, 75, 79, 83, 90, 96, 99, 121;  
Other Publications 10, 11, 13; AI-SUPERPPF 2)  
Noah Oderburg – Psychology  
Vanessa Watts – Public Health

**Medical students (including Independent Study of Medical Science Sponsor)**

Darlene Dodson (\*37)  
Lucy Douglass – John Hartford/American Federation of Aging Research Medical  
Student Geriatric Scholarship 1999  
Sarah Dubner  
Jessie Duvall  
Deborah Garrity (\*14, 29)  
Jim Gould  
Carl Koschman  
Veronica Mendoza-Jenkins – John Hartford/American Federation of Aging Research  
Medical Student Geriatric Scholarship 2003 (\*148)  
Meghan O'Connell (\*214)  
Ben Panwala (\*16)  
Janet Shimada (\*36)  
Don Thai

**Post-graduate student/physician advisor**

Leslie Aaron – Post-doctoral Fellow in Rehabilitation Medicine (\*69, 80, 81, 83, 99, 112;  
Other Publications 12)  
Mary Burke – Robert Wood Johnson Clinical Scholar (\*69)  
Michael Clark – Fellow in Psychiatry (\*30, 32, 63; Other Publications 15)  
Martha Ways – Chief Medical Resident (\*33, 40, 51)

**Junior Faculty/Investigators/Clinician Educators**

Niloo Afari – Psychology (\*60, 68, 71, 75, 89, 91, 110, 116, 130, 135, 137, 150, 153, 154, 158, 159, 165, 168, 184, 188, 190, 195, 197, 198, 200, 228; Other Publications 11, 17)

Lori Alvord – Surgery (\*131, 182)

Nassim Assefi – Medicine, Ob/Gyn (\*101, 102, 111, 133, 176)

Deborah Bassett – Communications

Tiffany Beckman – Endocrinology

Basia Belza – Nursing

Alfred Bryant – Psychology (\*121)

Lisa Chew – Medicine (\*105)

Mark Daniels – Psychology

Ardith Doorenbos – Nursing (\*203, 209, 216, 221, 226)

Glen Duncan – Epidemiology/Nutritional Sciences (\*175, 192, 214, 227)

Molly Fuentes – Rehabilitation Medicine

Eva Garrouette – Sociology (\*138, 142, 174, 205, 212, 218, 223; AI-SUPERPFP 2)

Barak Gaster – Medicine (\*102)

Rosemary Gibbons – Communication/American Indian Studies

Turner Goins – Gerontology (\*121, 145, 146, 162)

Erika Goldstein – Medicine (\*36, 54)

Angela Gonzales – Sociology (\*205, 223)

Emily Haozous – Nursing (\*203, 221, 226)

Jeff Henderson – Medicine (\*118, 140, 143, 160, 183, 192, 218, 223, 227; Book Chapter 12)

Laura Holdcraft – Psychology (\*111)

Carey Jackson – Medicine (\*36, 59)

Rose James – Molecular Biology

Nathalia Jimenez – Anesthesia (\*212, )

Patrik Johansson – Medicine (\*152)

Stacey Jolly, MD – Internal Medicine (\*232)

Donna LaVallie – Medicine (\*169, 211, 224, 231)

Alycia Lee – Pharmacy (\*21)

Ann Libby – Health Services (\*117, 167; AI-SUPERPFP 9, 19)

Kelly Moore – Pediatrics (\*70)

Margeret Moss – Nursing (\*120, 162)

Kyle Muus – Research Methodologies (\*178, 227)

Patricia Nez Henderson – Medicine (\*118, 183, 225; AI-SUPERPFP 11)

David Perdue – Gastroenterology (\*218)

Thomas Rea – Medicine (\*65, 77, 88, 92; Book Chapter 10; Other Publications 9)

Dorothy Rhoades – Medicine (\*106, 118, 122, 131, 132, 140; AI-SUPERPFP 16)

Carolyn Rhoads – Medicine

Yvette Roubideaux – Medicine (\*70, 115, 120, 122; AI-SUPERPFP 20, 22)

Janice Sabin – Medical Education and Biomedical Informatics

Craig Sawchuk – Psychology (\*136, 172, 173, 213, 215, 222; Other Publications 19, 20)  
Ellen Schur – Medicine (\*156, 159, 165, 170, 185, 189, 190, 198, 200, 220, 228; Book Chapter 13)  
John Sheffield – Medicine (\*64, 72, 102)  
Jay Shore – Psychiatry (\*95, 141)  
Wayne Smith – Psychology (\*73, 97, 99, 116, 133, 151, 155, 156, 187, 195)  
Eric Strachan – Psychology (\*187, 230)  
Nancy Sugg – Medicine  
Shin-ping Tu – Medicine  
Steve Verney – Psychology  
Nina Wampler – Epidemiology (\*144)  
Jill Watanabe – Medicine (\*105)  
Nathaniel Watson – Sleep Medicine (\*103, 124, 147, 163, 180, 186, 194, 201, 202, 207)  
Ron Whitener – Law  
Joyce Wipf – Medicine (\*64)  
Claire Yang – Urology

### ***Other Teaching***

1988 – 1991 Organizer, course on issues relevant to care of refugee populations for Continuing Medical Education program  
1988 – 1995 Teacher, sessions in Critical Reading of the Literature for primary care residents  
1997 – present Director, Native Investigator Development Program  
2003 – 2005 Organizer, writing seminars for junior faculty  
2004 – 2005 Lecturer, Mentorship, Responsible Conduct of International Research intensive course (EPI 590E)  
2005 – present Faculty, University of Washington Multidisciplinary Clinical Research Training (K-12/KL2) program

### **EDITORIAL RESPONSIBILITIES**

1993 Advisory Board, Hawthorne Medical Press

### **SPECIAL NATIONAL RESPONSIBILITIES**

1989 – 1993 Advisory Committee, Minority Initiative, Northwest Gerontology Center  
1991 – 1994 Committee Member, Kellogg Foundation Cross-Cultural Care Health Care Project  
1991 – 1993 Head, Subcommittee on Clinical Assessment of Chronic Fatigue Syndrome, National Institutes of Health and National Institute of Mental Health  
1992 – 2001 Board Member, American Association for Chronic Fatigue Syndrome  
1993 – 1995 Member, Medical Advisory Committee, CFIDS Treatment News  
1993 – present Member, Advisory Committee, Native Elder Health Care Resource Center

- 1994 – 1996 Vice President, American Association for Chronic Fatigue Syndrome
- 1994 – 2003 Member, Physician Review Committee, Centers for Disease Control and Prevention, Chronic Fatigue Surveillance Project
- 1995 – 1997 Board Member, Foundation for Pediatric Holistic Health Research
- 1995 – present Readership Advisory Group member, Annals of Internal Medicine
- 1997 – 1998 Member, Institute of Medicine, Committee on the Evaluation of the U.S. Department of Veterans Affairs Gulf War Syndrome Uniform Case Assessment Protocol
- 1997 – 1999 President, American Association for Chronic Fatigue Syndrome
- 1997 – 1999 Member, Chronic Fatigue Syndrome Coordinating Committee (advises Secretary of Department of Health and Human Services on policy matters)
- 1999 – 2002 Member, Medical and Scientific Advisory Board, Sjogren's Syndrome Foundation
- 1999 – 2005 Member Reviewer, CDC, National Center for Infectious Diseases, Chronic Fatigue Syndrome Program Review
- 2000 – 2001 Member, Institute of Medicine, Committee on Identifying Effective Treatments for Gulf War Veterans' Health Problems
- 2000 – 2001 Technical Advisor, Agency for Healthcare Research and Quality Evidence Report on Chronic Fatigue Syndrome
- 2001 Conference Chair and Organizer, Association for Chronic Fatigue and Fibromyalgia 5<sup>th</sup> International Conference, Seattle, WA
- 2001 – present Director, University of Washington Twin Registry
- 2005 – 2006 Member, Institute of Medicine, Committee on the Health of Gulf War Veterans
- 2006 – present Member, Gulf War Veterans' Illnesses Merit Review Board
- 2007 – present Member, Department of Veterans Affairs Research Advisory Committee on Gulf War Veterans' Illness
- 2007 – present Member, NIH/NIDDK Multidisciplinary Chronic Pelvic Pain Definition Working Group

#### **SPECIAL LOCAL RESPONSIBILITIES**

- 1985 – 1987 Member, Harvard Medical School Women in Academic Medicine
- 1989 – 1992 Member, Ambulatory Clinic Information System Project, Harborview Medical Center
- 1991 – 1993 Harborview Fund Committee
- 1992 – 1993 Department of Medicine Quality Assurance Committee, Harborview Medical Center
- 1992 – 1993 University of Washington Faculty Senate
- 1995 – 1997 Member, Harborview Medical Center Alternative Care Task Force
- 1997 – present Co-Chair, University of Washington Division of General Internal Medicine work group on Faculty Development

2000 – 2003 Member, Department of Medicine Appointments and Promotions Committee

**CURRENT RESEARCH FUNDING**

- 2011 – 2012 **Co-Investigator** (Zhao, Principal Investigator)  
Total Direct Costs: \$141,636  
NCI  
Addressing the Challenges of Small Populations Health Disparities Research
- 2011 – 2013 **Principal Investigator**  
Total Direct Costs: \$39,617  
NIH  
Regional Native American Community Networks Program: Diversity Supplement, Sweetwater Nannauck
- 2011 – 2013 **Principal Investigator**  
Total Direct Costs: \$79,926  
NCI  
Walking Forward - American Indian Participation in Cancer Clinical Trials
- 2011 – 2012 **Principal Investigator**  
Total Direct Costs: \$12,866  
NIDDK  
A Targeted Approach to Increasing American Indian Tissue and Organ Donation: Diversity Supplement, Corinna Tordillos
- 2010 – 2014 **Principal Investigator**  
Total Direct Costs: \$1,025,954  
CDC  
Native Women Wellness Initiative: Working Together to Improve Health Outcomes
- 2010 – 2012 **Principal Investigator**  
Total Direct Costs: \$89,817  
NIDDK  
University of Washington Urologic Chronic Pelvic Pain Syndromes Discovery Center, Research Supplement, Nathalia Jimenez
- 2010 – 2011 **Co-Principal Investigator**  
Total Direct Costs: \$483,614  
NIH  
Administrative Supplement for Comparative Effectiveness Research

Workforce Development: The ITHS Institute for CER Training and Web-based Toolkit

- 2009 – 2011      **Co-Investigator** (M. Disis, Principal Investigator)  
Total Direct Costs: \$244,935  
NCRR  
Institute for Translational Health Science  
Enhancing NCRR Pilot Project Mechanism ARRA Administrative Supplement
- 2010 – 2015      **Co-Principal Investigator**  
Total Direct Costs: \$3,057,613  
NCI  
Regional Native American Community Networks Program
- 2010 – 2015      **Co-Principal Investigator**  
Total Direct Costs: \$10,900,618  
NCI  
Center for Native Population Health Disparities
- 2010 – 2015      **Co-Investigator** (Roy-Byrne, Principal Investigator)  
Total Direct Costs: \$2,220,360  
NIMH  
Improving Mental Health Care in Safety Net Medical Settings
- 2009 – 2014      **Co-Investigator** (K. Walters, Principal Investigator)  
Total Direct Costs: \$ 1,348,419.00  
NIMH  
Indigenous HIV/AIDS Research Training (IHART)
- 2009 – 2014      **Principal Investigator**  
Total Direct Costs: \$7,296,892  
NHLBI  
Cerebrovascular Disease and Its Consequences in the Strong Heart Study Cohort
- 2009 – 2012      **Consultant** (A. Doorenbos, Principal Investigator)  
Total Direct Costs: \$1,022,208  
SBIR  
PATINA: Pain Management Training in Native American Communities
- 2009 – 2012      **Co-Investigator** (J. Scott, Principal Investigator)

Total Direct Costs: \$900,000  
Robert Wood Johnson Foundation  
Extension for Community Health Outcomes (ECHO)

2009 – 2012 **Co-Investigator, Training Core** (J. Henderson, Principal Investigator)

Total Direct Costs: \$131,060  
NIGMS  
Black Hills Center for American Indian Health NARCH IV

2009 – 2011 **Principal Investigator**

Total Direct Costs: \$6,213,714  
NHLBI  
Building a Unique National Community Based Twin Repository

2009 – 2011 **Principal Investigator**

Total Direct Costs: \$304,545  
NIDDK  
University of Washington Urologic Chronic Pelvic Pain Syndromes  
Discovery Center ARRA Administrative Supplement

2009 – 2011 **Principal Investigator**

Total Direct Costs: \$249,127  
NCI  
Regional Native American Community Networks Program  
Cancer 101

2008 – 2013 **Co-Investigator** (J. Roll, Principal Investigator)

Total Direct Costs: \$4,530,550  
Life Sciences Discovery Fund  
Project Title: Program of Excellence in Rural Mental Health and Substance  
Abuse Treatment

2008 – 2013 **Principal Investigator**

Total Direct Costs: \$3,819,890  
NIDDK  
University of Washington Urologic Chronic Pelvic Pain Syndromes  
Discovery Center

2008 – 2010 **Mentor** (A. Gonzalez, Principal Investigator)

Total Direct Costs: \$300,985  
NCI

Research Supplement to Promote Diversity in Health Related Research  
Sociocultural Correlates on Cancer Knowledge Attitudes Among American  
Indians

- 2008 – 2009     **Principal Investigator**  
Total Direct Costs: \$150,031  
NCMHD  
Native People for Cancer Control: Cancer Telemedicine Supplement
- 2007 – 2012     **Co-Investigator and Director, Native Investigator Development Core**  
(S. Manson, Principal Investigator)  
Total Direct Costs: \$3,149,455  
NIA  
Resource Center for Minority Aging Research: Native Elder Research Center
- 2007 – 2012     **Co-Leader, Community Engagement and Research Translation Core (M. Disis, Principal Investigator)**  
Total Direct Costs: \$47,775,116  
NCRR  
Institute of Translational Health Sciences
- 2007 – 2012     **Co-Investigator (S. Manson, Principal Investigator)**  
Total Direct Costs: \$2,364,503  
NCMHD  
Center for American Indian and Alaska Native Health Disparities
- 2007 – 2012     **Co-Investigator (B. Young, Principal Investigator)**  
Total Direct Costs: \$750,000  
NIDDK  
The Increasing Kidney Disease Awareness Network (IKAN) Transplant  
Project
- 2007 – 2012     **Principal Investigator**  
Total Direct Costs: \$793,848  
NIDDK  
A Targeted Approach to Increasing American Indian Tissue and Organ  
Donation
- 2007 – 2012     **Principal Investigator**  
Total Direct Costs: \$1,565,234  
NCI

Randomized Trial of Workplace Interventions to Improve Health of Alaska Natives

- 2007 – 2012     **Mentor** (N. Watson, Principal Investigator)  
Total Direct Costs: \$632,295  
NHLBI  
Mentored Patient-Oriented Research Career Development Award (K23)  
Sleep Duration and Metabolism in Twins
- 2007 – 2009     **Co-Investigator** (D. Bowen, Principal Investigator)  
Total Direct Costs: \$275,000  
NCI  
Implementing Health Promotion Activities in Native Employers
- 2007 – 2009     **Co-Investigator** (D. Avery, Principal Investigator)  
Total Direct Costs: \$275,000  
NIAMS  
Transcranial Magnetic Stimulation in the Treatment of Chronic Widespread Pain
- 2006 – 2011     **Co-Investigator** (J. Henderson, Principal Investigator)  
Total Direct Costs: \$1,749,361  
NHLBI  
Web-Based, Patient-Centered Approach to CVD Risk Factor Management and Reduction
- 2006 – 2009     **Principal Investigator**  
Total Direct Costs: \$749,936  
HRSA  
Native People for Cancer Control Telehealth Network
- 2006 – 2008     **Mentor** (L. Alvord, Recipient)  
Total Direct Costs: \$257,478  
NIA  
Research Supplements to Promote Diversity in Health-Related Research (Junior Faculty)  
Surgical Outcomes in American Indian Veterans
- 2005 – 2010     **Co-Investigator** (N. Afari, Principal Investigator)  
Total Direct Costs: \$1,765,061  
NIAMS

Twin Study of Chronic Widespread Pain

- 2005 – 2010     **Principal Investigator**  
Total Direct Costs: \$4,000,000  
NCI  
Native People for Cancer Control (includes 4 R01 type projects and 3 cores)
- 2005 – 2009     **Co-Investigator** (J. LoGerfo, Principal Investigator)  
Total Direct Costs: \$1,776,723  
CDC  
An Innovative and Interactive CVD Curriculum for Native Youth
- 2005 – 2009     **Mentor** (E. Garrouette, Principal Investigator)  
Total Direct Costs: \$454,400  
NIA  
Mentored Research Scientist Development Award (K01)  
Health Communication with American Indian Elders
- 2004 – 2009     **Co-Investigator** (R. Deyo, Principal Investigator)  
Total Direct Costs: \$13,161,765  
DHHS  
UW Multidisciplinary Clinical Research Training
- 2004 – 2009     **Mentor** (E. Schur, Principal Investigator)  
Total Direct Costs: \$578,709  
NIDDK  
Mentored Patient-Oriented Research Career Development Award (K23)  
An Interdisciplinary Study of Eating Behavior in Twins
- 2003 – 2009     **Co-Investigator, Site Principal Investigator, and Project Leader**  
(S. Manson, Principal Investigator)  
Total Direct Costs: \$3,891,532  
NHLBI  
Wounded Spirits, Ailing Hearts: PTSD and CVD in Indians
- 2003 – 2008     **Co-Investigator and Director, Training Core** (S. Manson, Principal Investigator)  
Total Direct Costs: \$3,086,693  
NCMHD  
American Indian and Alaska Native Health Disparities  
Project Title: Reducing Chlamydia by Universal Screening of American

Indian Males

Project Title: Preventing Obesity in American Indian Infants and Toddlers

2003 – 2008      **Mentor** (M. Wurfel, Principal Investigator)  
Total Direct Costs: \$775,845  
NHLBI  
Mentored Patient-Oriented Research Career Development Award (K23)  
Host Variability in Innate Inflammatory Responses

#### **PENDING RESEARCH FUNDING**

2011 – 2016      **Principal Investigator**  
Total Direct Costs: \$5,444,386  
NIMHD  
Behavioral Health Collaborative for Rural American Indian Communities

#### **BIBLIOGRAPHY**

##### *Publications in Refereed Journals*

1. Buchwald DS, Blaser MJ. A review of human salmonellosis: II. Duration of excretion following infection with nontyphi Salmonella. *Rev Infect Dis.* 1984;6:345-356. PMID: 6377442
2. Buchwald D, Sullivan JL, Komaroff AL. Frequency of "chronic active Epstein-Barr virus infection" in a general medical practice. *JAMA.* 1987;257:2303-2307. PMID: 3033338
3. Buchwald D, Goldenberg DL, Sullivan JL, Komaroff AL. The "chronic, active Epstein-Barr virus infection" syndrome and primary fibromyalgia. *Arthritis Rheum.* 1987;30:1132-1136. PMID: 2823835
4. Caligiuri M, Murray C, Buchwald D, Levine H, Cheney P, Peterson D, Komaroff AL, Ritz J. Phenotypic and functional deficiency of natural killer cells in patients with chronic fatigue syndrome. *J Immunol.* 1987;139:3306-3313. PMID: 2824604
5. Buchwald D, Sullivan JL, Leddy S, Komaroff AL. "Chronic Epstein-Barr virus infection" syndrome and polymyalgia rheumatica. *J Rheumatol.* 1988;15:479-482. PMID: 2837573
6. Buchwald D, Komaroff AL, Cook EF, Epstein AM. Indirect costs for medical education. Is there a July phenomenon? *Arch Intern Med.* 1989;149:765-768. PMID: 2495778
7. Buchwald D, Soumerai SB, Vandevanter N, Wessels M, Avorn J. Effect of hospitalwide change in clindamycin dosing schedule on clinical outcome. *Rev Infect Dis.* 1989;11:619-624. PMID: 2772467
8. Buchwald D, Freedman AS, Ablashi DV, Sullivan JL, Caligiuri M, Weinberg DS, Hall CG, Ashley RL, Saxinger C, Balanchandran N, Ritz J, Nadler LM, Komaroff AL. A chronic "postinfectious" fatigue syndrome associated with benign lymphoproliferation, B-cell proliferation, and active replication of human herpesvirus-6. *J Clin Immunol.* 1990;10:335-344. PMID: 1964694
9. Katon WJ, Buchwald DS, Simon GE, Russo JE, Mease PJ. Psychiatric illness in patients

- with chronic fatigue and those with rheumatoid arthritis. *J Gen Intern Med.* 1991;6:277-285. PMID: 1890495
10. Buchwald D, Blair J, Mease P. Treatment of chronic fatigue syndrome with acupuncture. *Int J Clin Acup.* 1991;2:231-236. PMID: Not available
  11. Buchwald D, Wener MH, Komaroff AL. Anti-neuronal antibodies in chronic fatigue syndrome patients with neurologic abnormalities. *Arthritis Rheum.* 1991;34:1485-1486. PMID: 1953828
  12. Komaroff AL, Buchwald D. Symptoms and signs of chronic fatigue syndrome. *Rev Infect Dis.* 1991;S8-11. PMID: 2020806
  13. Buchwald D, Komaroff AL. Review of laboratory findings for patients with chronic fatigue syndrome. *Rev Infect Dis.* 1991 Suppl 1;13:S12-18. PMID: 1902321
  14. Buchwald D, Garrity D, Pascualy R, Kith P, Ashley RL, Wener MH, Kidd PG, Katon WJ, Russo JE. Chronic fatigue syndrome. *Toxicol Ind Health.* 1992;8:157-173. PMID: Not available
  15. Buchwald D, Cheney PR, Peterson DL, Henry B, Wormsley SB, Geiger A, Ablashi DV, Salahuddin SZ, Saxinger C, Biddle R, Kikinis R, Jolesz FA, Folks T, Balachandran N, Gallo RC, Komaroff AL. A chronic illness characterized by fatigue, neurologic and immunologic disorders, and active human herpesvirus type 6 infection. *Ann Intern Med.* 1992;116:103-113. PMID: 1309285
  16. Buchwald D, Panwala S, Hooton TM. Use of traditional health practices among Southeast Asian refugees in a primary care clinic. *West J Med.* 1992;156:507-511. PMID: PMC1003313
  17. Schluenderberg A, Straus SE, Peterson P, Blumenthal S, Komaroff AL, Spring SB, Landay A, Buchwald D. NIH Conference. Chronic fatigue syndrome research. Definition and medical outcome assessment. *Ann Intern Med.* 1992;117:325-331. PMID: 1322076
  18. Buchwald D, Hooton TM, Ashley RL. Prevalence of herpesvirus, human T-lymphotropic virus type 1, and treponemal infections in Southeast Asian refugees. *J Med Virol.* 1992;38:195-199. PMID: 1337548
  19. Sundquist L, Buchwald D, Worthington-Roberts B, Yamanaka W, Karkek J. Dietary change and hypercholesterolaemia in southeast Asian refugee women. *J Refugee Studies.* 1992;5:368-379. PMID: Not available
  20. Buchwald D, Manson SM, Dinges NG, Keane EM, Kinzie JD. Prevalence of depressive symptoms among established Vietnamese refugees in the United States: detection in a primary care setting. *J Gen Intern Med.* 1993;8:76-81. PMID: 8441079
  21. Lee A, Buchwald D, Hooton TM. Knowledge and compliance with medications in South East Asian refugees. *J Clin Pharm Ther.* 1993;18:199-204. PMID: 8345005
  22. Buchwald D, Klacsanzky G, Manson SM. Psychiatric disorders among recently arrived Eastern Europeans seen through a US refugee counseling service. *Int J Soc Psychiatry.* 1993;39:221-227. PMID: 8225818
  23. Bates DW, Schmitt W, Buchwald D, Ware NC, Lee J, Thoyer E, Kornish RJ, Komaroff AL. Prevalence of fatigue and chronic fatigue syndrome in a primary care practice. *Arch*

- Intern Med.* 1993;153:2759-2765. PMID: 8257251
24. Buchwald D, Jones J, Levine PH. Summary: clinical and multidisciplinary research on chronic fatigue syndrome. *Clin Infect Dis.* 1994 Suppl 1;18:S115-116. PMID: Not available
  25. Buchwald D, Pascualy R, Bombardier C, Kith P. Sleep disorders in patients with chronic fatigue. *Clin Infect Dis.* 1994 Suppl 1;18:S68-72. PMID: 8148456
  26. Bates DW, Buchwald D, Lee J, Kith P, Doolittle T, Umali P, Komaroff AL. A comparison of case definitions of chronic fatigue syndrome. *Clin Infect Dis.* 1994 Suppl 1;18:S11-15. PMID: 8148436
  27. Fukuda K, Straus SE, Hickie I, Sharpe MC, Dobbins JG, Komaroff A. The chronic fatigue syndrome: a comprehensive approach to its definition and study. International Chronic Fatigue Syndrome Study Group (Buchwald D, member). *Ann Intern Med.* 1994;121:953-959. PMID: 7978722
  28. Buchwald D, Pearlman T, Kith P, Schmaling K. Gender differences in patients with chronic fatigue syndrome. *J Gen Intern Med.* 1994;9:397-401. PMID: 7931750
  29. Buchwald D, Garrity D. Comparison of patients with chronic fatigue syndrome, fibromyalgia, and multiple chemical sensitivities. *Arch Intern Med.* 1994;154:2049-2053. PMID: 8092909
  30. Russo J, Katon W, Sullivan M, Clark M, Buchwald D. Severity of somatization and its relationship to psychiatric disorders and personality. *Psychosomatics.* 1994;35:546-556. PMID: 7809357
  31. Bates DW, Buchwald D, Lee J, Kith P, Doolittle T, Rutherford C, Churchill WH, Schur PH, Wener M, Wybenga D, et al. Clinical laboratory test findings in patients with chronic fatigue syndrome. *Arch Intern Med.* 1995;155:97-103. PMID: 7632202
  32. Clark MR, Katon W, Russo J, Kith P, Sintay M, Buchwald D. Chronic fatigue: risk factors for symptom persistence in a 2 ½-year follow-up study. *Am J Med.* 1995;98:187-195. PMID: 7847436
  33. Ways M, Kroenke K, Umali J, Buchwald D. Morning report. A survey of resident attitudes. *Arch Intern Med.* 1995;155:1433-1437. PMID: 7794093
  34. Buchwald D, Umali P, Umali J, Kith P, Pearlman T, Komaroff AL. Chronic fatigue and the chronic fatigue syndrome: prevalence in a Pacific Northwest health care system. *Ann Intern Med.* 1995;123:81-88. PMID: 7778839
  35. Bombardier CH, Buchwald D. Outcome and prognosis of patients with chronic fatigue versus chronic fatigue syndrome. *Arch Intern Med.* 1995;155:2105-2110. PMID: 7575071
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2. Furberg H, Olarte M, Afari N, Goldberg J, Buchwald D, Sullivan PF. The comorbidities of chronic fatigue—a latent class analysis of syndromes and symptoms. *Aust N Z J Psychiatry*. (under revision).
3. Jimenez N, Morales L, Buchwald D, Leng M, Moreno G. Patient-reported quality of pain treatment and use of interpreters in hospitalized Spanish-speaking women. *J Pain* . (submitted).

### **INVITED PRESENTATIONS (Selected)**

1. Buchwald D, Komaroff AL. Chronic Fatigue Syndrome. University of Washington Department of Medicine Grand Rounds, Seattle, WA, January 1988.
2. Buchwald D. Laboratory Abnormalities in Chronic Fatigue Syndrome. Symposium on Epstein-Barr Virus and Human Disease, Rome, Italy, June 1988.
3. Buchwald D. A Comparison of Chronic Fatigue Syndrome and Fibromyalgia. Conference on Chronic Fatigue Syndrome and Fibromyalgia, Los Angeles, CA, February 1990.
4. Buchwald D. Chronic Fatigue Syndrome. University of Washington Department of Anesthesiology Grand Rounds, Seattle, WA, 1989.
5. Buchwald D. Laboratory Findings in Chronic Fatigue Syndrome. University of Washington Department of Laboratory Medicine Grand Rounds, Seattle, WA, 1990.
6. Katon W, White P, Wessely S, Manu P, Buchwald D. Chronic Fatigue Syndrome. American Psychiatric Association National Meeting, New York City, NY, May 1990.
7. Buchwald D, Komaroff AL, Kroenke K. Workshop on Chronic Fatigue. National Meeting of the Society of General Internal Medicine, Washington, DC, May 1990.
8. Buchwald D. Usefulness of the Chronic Fatigue Syndrome Criteria. National Institute of Allergy and Infectious Diseases/National Institutes of Mental Health Workshop on the Definition and Medical Outcome Assessment of Chronic Fatigue Syndrome in Research, Bethesda, MD, March 1991.
9. Buchwald D. Chronic Fatigue Syndrome. Association of Occupational and Environmental Clinics Multiple Chemical Sensitivity Workshop, Washington, DC, September 1991.
10. Buchwald D, Lee KL, Wolfe E. Medicine in the Nineties: Chronic Fatigue Syndrome--The Facts. National Teleconference, Kaiser Permanente, Oakland, CA, October 1991.
11. Buchwald D. An Approach to Patients with Chronic Fatigue. Army American College Physicians Regional Meeting Plenary Session, San Francisco, CA, October 1991.
12. Buchwald D. Discussant. Ciba Symposium No. 173: Chronic Fatigue Syndrome, London, UK, May 1992.

13. Komaroff AL, Kroenke K, Buchwald D. Chronic Fatigue Syndrome. Special Presentation, American College of Physicians 74th Annual Session, Washington, DC, April 1993.
14. Buchwald D. An Overview of Chronic Fatigue Syndrome. Third International Conference on Biobehavioral Self-Regulation and Health, Tokyo, Japan, September 1993.
15. Buchwald D. Recommendations for Modifying the CFS Case Definition. Centers for Disease Control and Prevention, Atlanta, GA, September 1993.
16. Buchwald D. CFS—Illness Presentation and Course. National Institute of Allergy and Infectious Diseases Workshop on the Clinical Management of Chronic Fatigue Syndrome, Bethesda, MD, November 1993.
17. Buchwald D, Schmalings K. Chronic Fatigue Syndrome. University of Washington Department of Obstetrics and Gynecology Grand Rounds, Seattle, WA, December 1993.
18. Buchwald D. Chronic Fatigue Syndrome. University of Washington Department of Medicine Grand Rounds, Seattle, WA, March 1994.
19. Buchwald D. Prevalence of Chronic Fatigue Syndrome. International Meeting on Chronic Fatigue Syndrome, Dublin, Ireland, May 1994.
20. Buchwald D. Disability and Rehabilitation in Chronic Fatigue Syndrome. Physical Medicine and Research Foundation Repetitive Strain Injuries, Fibromyalgia and Chronic Fatigue Syndrome Consensus Conference, Vancouver, British Columbia, Canada, June 1994.
21. Buchwald D. Chronic Fatigue Syndrome. Cleveland Clinic Foundation, Department of Rheumatic and Immunologic Diseases Grand Rounds, Cleveland, OH, July 1994.
22. Buchwald D. Chronic Fatigue Syndrome. Cleveland Clinic Foundation, Department of Medicine Grand Rounds, Cleveland, OH, July 1994.
23. Buchwald D. Chronic Fatigue Syndrome. University of Washington Department of Medicine Grand Rounds, Seattle, WA, March 1994.
24. Buchwald D. Epidemiology Session Chairperson. American Association of Chronic Fatigue Syndrome Research and Clinical Conference, National Meeting, Miami, FL, October 1994.
25. Buchwald D. Workshop on Instruments for Use in Clinical and Research Settings. American Association of Chronic Fatigue Syndrome Research and Clinical Conference, National Meeting, Miami, FL, October 1994.
26. Buchwald D. Current Concepts in the Assessment and Treatment of Chronic Fatigue Syndrome. Canadian Association of Rehabilitation Personnel. Chronic Fatigue: Current Concepts in the 90's, Calgary, Canada, October 1994.
27. Buchwald D, Straus S, Goldenberg D. Fatigue Syndromes. Clinical Overlap of Chronic Fatigue Syndrome and Fibromyalgia. American College of Rheumatology, 58th Annual Scientific Meeting, Minneapolis, MN, October 1994.
28. Buchwald D. Chronic Fatigue Syndrome and Selected Rheumatoid Disorders. American Association of Family Physicians Review Course, Seattle, WA, May 1995.
29. Buchwald D. Emerging Twin Registries. A Registry of Twins with Chronic Fatigue

- Syndrome. The 8th International Congress on Twin Studies, Richmond, VA, May 1995.
30. Buchwald D. Overview of Chronic Fatigue Syndrome, Etiology and Pathogenesis. Division of Microbiology and Infectious Diseases Subcommittee, National Allergy and Infectious Diseases Council, Bethesda, MD, September 1995.
  31. Buchwald D. Overview of Chronic Fatigue Syndrome. University of Toronto Department of Medicine Grand Rounds, Mount Sinai Hospital, Toronto, Canada, March 1996.
  32. Buchwald D. Salit I. Precipitating and Infectious Factors in Chronic Fatigue Syndrome. University of Toronto Infectious Diseases Grand Rounds, Toronto General Hospital, Toronto, Canada, March 1996.
  33. Komaroff AL, Demitrack M, Buchwald D. Chronic Fatigue Syndrome. American College of Physicians 77th Annual Session, San Francisco, CA, April 1996.
  34. Buchwald D. Chronic Fatigue. National Acupuncture and Oriental Medicine Alliance 1996 Conference and Expo, Seattle, WA, May 1996.
  35. Buchwald D. Chronic Fatigue Syndrome, Description and Diagnosis. Institute of Medicine, Committee on the Evaluation of the Department of Defense Comprehensive Clinical Evaluation Program, Workshop on Difficult to Diagnose and Ill-Defined Conditions, Washington, DC, March 1997.
  36. Komaroff AL, Levy J, Buchwald D. Chronic Fatigue Syndrome: Implications for Practice From New Discoveries. American College of Physicians 78th Annual Session, Philadelphia, PA, March 1997.
  37. Buchwald D. Chronic Fatigue Syndrome. North Pacific Society of Neurology, Neurosurgery and Psychiatry, Victoria, Canada, May 1997.
  38. Buchwald D. Overview of Chronic Fatigue. An Update for Physicians and Health Care Providers: Problems of Chronic Muscular Pain, Fibromyalgia and Persisting Fatigue, University of Utah, Salt Lake City, UT, May 1997.
  39. Buchwald D. Symposium 17. Fatigue Syndromes in Rheumatology. Overview of Chronic Fatigue. XIX ILAR Congress of Rheumatology, Singapore, June 1997.
  40. Buchwald D. Master Class. Fibromyalgia and Chronic Fatigue Syndrome: Similarities and Differences. XIX ILAR Congress of Rheumatology, Singapore, June 1997.
  41. Buchwald D. Panelist, CDC sponsored National Teleconference. Chronic Fatigue Syndrome. Atlanta, GA, September 1997.
  42. Buchwald D. Panel member, Chronic Fatigue Syndrome: Current Issues. A Public Health Training Network Satellite Broadcast sponsored by the U.S. Public Health Service and Social Security Administration, Atlanta, GA, September 1997.
  43. Buchwald D. Komaroff AL, Gantz N, Uslan D. Chronic Fatigue Syndrome: Implications for Practice From New Discoveries. American College of Physicians 79th Annual Session, San Diego, CA, April 1998.
  44. Buchwald D. Overview of CFS. Psychosomatische Storungen in Der Neurologie, Mainz, Germany, May 1998.
  45. Buchwald D. Overlapping Syndromes. Conference on Federally Sponsored Gulf War

- Veteran's Illnesses Research, Washington, DC, June 1998.
46. Buchwald, D. Overview of Chronic Fatigue Syndrome. Psychiatry Grand Rounds, Providence Medical Center, Seattle, WA, November 1998.
  47. Buchwald D. Chronic Fatigue Syndrome: Overview and Update. Fourth Japanese CFS Symposium, Nagoya, Japan, February 1999.
  48. Buchwald D. Chronic Fatigue and Fibromyalgia: An Overview and Approach to Treatment. International Conference on Integrative Medicine and Health Expo, Seattle, WA, May 1999.
  49. Buchwald, D. Overview of Chronic Fatigue Syndrome. Psychiatry Grand Rounds, Virginia Commonwealth University, Richmond, VA, May 1999.
  50. Buchwald D. Overlap Among Syndromes. Seventh Biennial Regenstrief Conference, Marshall, IN, November 1999.
  51. Buchwald D. Chronic Fatigue Syndrome: Overview and Twin Studies. Laboratory Medicine Grand Rounds, University of Washington, Seattle, WA, February 2000.
  52. Buchwald D. Evaluation of Fatigue. 44<sup>th</sup> Annual Greenville Postgraduate Seminar. A Primary Care Update, Greenville, SC, April 2000.
  53. Buchwald D. Fatigue, Functional Status, and Disability. Chronic Fatigue Syndrome State of the Science Conference, Roslyn, VA, October 2000.
  54. Buchwald D. Medical Aspects of CFS. Plenary Session of the Academy of Psychosomatic Medicine, Palm Springs, CA, November 2000.
  55. Buchwald D, Goldberg J. Novel Ways to Study Fatigue: Twins with Chronic Fatigue Syndrome and Beyond. St. Bartholomew's Hospital, Department of Psychological Medicine, London, UK, February 2002.
  56. Buchwald D, Goldberg J. Twin Studies of Chronic Fatigue Syndrome. Guys, King's and St. Thomas' Hospital, Maudsley Research Center, Department of Psychological Medicine, London, UK, February 2002.
  57. Buchwald D. Twin Studies of Chronic Fatigue. Perspectives in Chronic Fatigue Syndrome: Invitational Conference. Ravenstein, The Netherlands, February 2002.
  58. Buchwald D. Chronic Fatigue Syndrome and the Media. Medical Interfacultair Congress, Delft, The Netherlands, February 2002.
  59. Buchwald D. A Twin Study of Chronic Fatigue. 75<sup>th</sup> Annual Meeting of the American Epidemiology Society, New York City, NY, March 2002.
  60. Buchwald D, Goldberg J. Uses of Twins in Biomedical Research and the University of Washington Twin Registry, Neurology Grand Rounds, University of Washington, Seattle, WA, February 2004.
  61. Buchwald D. Fibromyalgia: An Overview with a Focus on Sleep. Fifth Annual Sleep Medicine Symposium: Women and Sleep—Common Myths and New Findings, Swedish Medical Center, Seattle, WA, October 2004.
  62. Buchwald D. CFS and Fibromyalgia: Epidemiology, Clinical Features and Treatment. The Royal Society of Medicine, Meeting of the Clinical Immunology and Allergy Section, London, UK, December 2004.

63. Peterson D, Caserta M, Zerr D, Dewhurst S, Buchwald D. Human Herpesvirus 6 Assays in Three Highly Selected, Informative Samples of Patients with Chronic Fatigue Syndrome. 5<sup>th</sup> International HHV-6 and 7 Conference, Barcelona, Spain, May 2006.
64. Buchwald D. Review of Fibromyalgia. Benton Franklin County Medical Society 24<sup>th</sup> Annual CME Seminar, Kennewick, WA, February 2008.
65. Buchwald D. Review of Fibromyalgia and Treatments. University of Washington CME Seminar, Seattle, WA, May 2009.