

Bengt B. Arnetz, MD, PhD, MPH, MSciEpi, FACOEM, CIME
Curriculum Vitae
Summary of Key Qualifications¹

Education and Teaching:

Residency (OEM), Harvard T.H. Chan School of Public Health
MPH & MScEpi, Harvard T.H. Chan School of Public Health
MD, Karolinska Institutet, Stockholm, Sweden
Active MD licensures: MA, MI, NY, FL
PhD, Karolinska Institute
Board Certified, Occupational and Environmental Health (US & Sweden) & Community Medicine (Sweden)
National Research Service Award (NIEHS)
Senior advisor to 16 successful PhD Students
Mentor to junior, mid and senior career faculty that have secured R01, R21 & other competitive grants
Teaching Award, WSU School of Medicine, Wayne State University

Administrative and Leadership:

Chairman, Department of Family Medicine, College of Human Medicine, Michigan State University (2015 -)
Vice President, Michigan Public Health Institute (Appointed May, 2015; Reappointed 2016; 2018)
Acting President, Michigan Public Health Institute, 2019 during gubernatorial transition
Deputy Director, (Co-Director, 2015), WSU Institute of Environmental Health Sciences (2012-2015)
Vice Chair, Dept. Family Medicine and Public Health Sciences, WSUSOM (2012-2015)
Division Head, OEH, WSUSOM & Director OEH, University Physician Group (2005-2015)
Co-founder and Co-Director, Wayne State Campus-wide Wireless Health Initiative (2011-2015)
Sweden-based prior leadership experience (<2005)
Department Chair, OEH, Huddinge University Hospital
Department Head, Social and Community Medicine/CEOS, Uppsala Academic Hospital
Department Head, National Swedish Institute for Psychosocial Medicine (IPM)
Vice Chair, Vardal Research Foundation for Allergy & Health Systems Research

Research:

Since relocating to the United States, four NIH grants totaling ≈USD 6,000,000 and Co-I on current SAMHSA grant
Grants-to-date: 44 competitive national-level grants in excess of USD 25,000,000
PI on an URC (University Research Corridor) community health grant – involving all three MI research universities.
Co-I on NIEHS P30-funded Center for Urban Responses to Environmental Stressors (CURES; resigned 2015*).
P.I. of internationally funded teams on health effects of wireless RF exposure (2002-09) & waterpipe (2012-2016)
Leader of international studies of health effects from the GW on Iraqi adults and children (2006-)
Leader of community-based epidemiological research on post-displacement stressors and refugee mental health
Substantially expanded community research scope, outreach, impact & funding at Wayne and Michigan State Universities
NSF-NIH Review SCH/INT Panel for “Smart and Connected Health”
Member of DoD Novel Therapies for Gulf War Illness Study Section

Leadership and Clinical Enterprise:

Co-founder of WSU Center for Urban Responses to Environmental Stressors (2011-15; * resigned when moving to MSU)
Founder and leader of OEH/Academic Stress and Environmental Health Clinic
Recipient of the Faculty Research Excellence Award in the School of Medicine, Wayne State University
Recipient of a competitive Wayne Grants Plus Award, OVPR to promote expansion of research scope
Head of Dept. of Community Medicine, Uppsala University & Uppsala Academic Hospital, Sweden
Founder, Board Member, and Co-owner, Springlife AB, focusing on leadership, health, and productivity
Implemented a number of QA/QI improvement/transformation processes within academia and clinical operations
Active role in CEPHE certification of WSU MPH Program (5 year accreditation granted)

¹Please see attachment for complete curriculum vitae

Curriculum Vitae

Date of preparation: 01/31/2020

Bengt B. Arnetz

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15 Michigan St NE, Rm 627 Secchia Center
Michigan State University
Department of Family Medicine
Grand Rapids, MI 49503
Office Telephone: (616) 234-2822
Cell Telephone: (313) 310- 6123
Office Fax: (616) 234-2782
E-mail: arnetzbe@msu.edu
Private email: arnetz54@gmail.com

EDUCATION

MScEpi: Harvard T.H. Chan School of Public Health	1987-1988
MPH: Harvard T.H. Chan School of Public Health, Boston, MA	1986-1987
PhD: (Psychophysiology), Karolinska Institute School of Medicine, Stockholm, Sweden	1981-1983
MD: Karolinska Institute School of Medicine	1974-1981
B.S.: Karolinska Institute School of Medicine	1974-1976

POST-DOCTORAL TRAINING

The National Swedish Institute of Occupational Health, Clinical Occupational Medicine Fellow	1994 - 1995
Karolinska University Hospital, Stockholm, Sweden, Occupational & Environmental Medicine Resident	1991 - 1993
St Görans Hospital and Matteus Primary Healthcare Center, Stockholm, Sweden Internship	1983 - 1985

CURRENT FACULTY APPOINTMENTS

Chair, Department of Family Medicine, Professor, Family and Preventive Medicine, Department of Family Medicine, College of Human Medicine, Michigan State University, East Lansing and Grand Rapids, Michigan	2015 - present
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OTHER CURRENT FACULTY APPOINTMENTS

Associate Professor (“docent”, life time, volunteer position), Psychophysiology Karolinska Institute School of Medicine, Stockholm, Sweden	1986 - present
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PREVIOUS ACADEMIC APPOINTMENTS

Guest Professor (P/T) Dept of Public Health and Clinical Medicine, Umeå University, Sweden	2016 - 2017
Professor, Chair (P/T 2005-) Community Medicine, Dept. of Public Health & Nursing Sciences Uppsala University, Faculty of Medicine, Uppsala, Sweden. Granted Professor Emeritus status	2005 - 2016 2015 -

Vice Chair – Dept. of Family Medicine and Public Health Sciences, and	2012 - 2015
Professor, Occup. & Environmental Health, School of Medicine, Wayne State University	2005 - 2015
Deputy Director, NIEHS-funded Center for Urban Responses to Environmental Stressors	2014 - 2015
Deputy. Dir., (Co-Dir., 2015) Institute of Environmental Health Sciences, Wayne State Univ.	2012 - 2015
Professor of Community Medicine (tenured), Department of Public Health and Nursing Sciences	1999 - 2005
Uppsala University, Faculty of Medicine, Uppsala, Sweden	
Professor (Adjunct) Health Systems Research, Department of Public Health Sciences	1998 - 2004
Karolinska Institute School of Medicine, Stockholm, Sweden	
Associate Professor (Adjunct), Robert Wood Johnson Medical School	1990 ≈ 1998
University of Medicine and Dentistry of New Jersey (UMDNJ), New Jersey	
Professor (tenured), National Swedish Institute for Psychosocial Factors and Health	1996 - 1999
Department of Healthcare Environment and Health, Stockholm, Sweden	
Harvard University, Visiting Lecturer, Occupational Health in the School of Public Health	1990 - 1993

HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS

Member of the MSU Health Team’s Dept. Advisory Com. and Clinical Executive Com.	2015 - present
Vice President, Michigan Public Health Inst. (originally appointed 2015, reappointed ’16 & ’18)	2015 – present
Acting President 2019 during transition to new governor	
Director, Division of Occupational and Environmental Health	2005 - 2015
University Physician Group, Wayne State University School of Medicine, Detroit, MI	
Detroit Medical Center (on-staff), Sinai Grace Hospital, Detroit	2005 - 2015
Rehab Institute of Michigan, RIM (on-staff), Detroit	2010 - 2015
Wayne State University, Cardiovascular Research Institute, Primary Membership	2010 - 2015
Interdisciplinary Graduate Program in Molecular and Cellular Toxicology (MTX)	2010 - 2015
Wayne State University	
Chair, Departments of Community Med. & Center for Environ. Illness and Stress Disorders	1999 - 2005
(CEOS) Uppsala Academic Hospital, Uppsala, Sweden (Adjunct Professor; 2005 – 2016)	
Director, Department of HealthCare Environment and Health	1996 - 1999
National Swedish Institute for Psychosocial Factors and Health (IPM), Stockholm	
Senior Physician and Department Head, Dept. Occupational and Environmental Medicine	1994 - 1996
Huddinge University Hospital, Stockholm	
Research Associate, Department of Healthcare Environment and Health	1990 - 1994
National Swedish institute for Psychosocial Factors and Health (IPM)	
Senior Advisor, Occupational Medicine, Section Head	1988 - 1990
Div. Occupational Health and Epidemiology, Exxon Biomedical Sciences, East Millstone, NJ	

MAJOR PROFESSIONAL SOCIETIES

American College of Occupational and Environmental Medicine
 American Psychosomatic Society
 Society for Occupational Health Psychology (charter member)

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MEDICAL LICENSURE

Active: Michigan (License # 5315020138) Jun. 2005
Florida (ME 60466) May 1991
New York (176142) Sep. 1988
Sweden (541203-0131) Feb. 1985
Massachusetts (50347) Feb. 02/83

Inactive: New Jersey (51533). Voluntarily not renewed after 2004

Educational Commission for Foreign Medical Graduates Standard ECFMG Certificate No 328-012-0. Valid indefinitely, March 28, 1983 Sep. 1981

Federal Licensure Examination Test (F.L.E.X.), I.D. No. 541203015 Feb. 1983

BOARD CERTIFICATION

Board Certified in Community Medicine (life) Aug. 2006
The National Swedish Board of Health and Welfare

Board certified in Occupational and Environmental Medicine (life) Nov. 1993
The National Swedish Board of Health and Welfare

Board Certified in Occupational and Environmental Medicine (Life) Jan. 1989
The American Board of Preventive Medicine

CIME Certified, Certificate No: 07-00053, American Board of Independent Medical Examiners Mar. 2007
March 2007-2012 (Re-Certified July 1, 2011 for 5 years), Re-certified 2019 (for 5 years)

Inactive:
Medical Review Officer Certification (August 2004-2009 - Voluntarily not renewed) Aug. 2004

FELLOW

Fellow, American College of Occupational and Environmental Medicine (life) Jan. 2011

HONORS/AWARDS

Faculty Research Excellence Award, School of Medicine at Wayne State University 2011
College Teaching Award, School of Medicine, Wayne State University 2010
Wayne State University Research Stimulation Award from the VP of Research 2006
National Research Service Award, the National Institute of Environmental Health Sciences 1987 - 1988
Post-graduate studies at Harvard School of Public Health
Swedish Work Environment Fund Research Fellowship for post-graduate studies in 1986 - 1987
Epidemiology and Occupational and Environmental health, Harvard School of Public Health
The Epilepsy Foundation of America's Medical Student Fellowship. Psych neuroendocrine 1977
stress research, Walter Reed Army Institute of Research, Washington, D.C.

SERVICE

Michigan State University

Departmental/Divisional

Chair, Family Medicine, Executive Committee 9/2015 - pres
Member, Family Medicine, Clinical Executive Committee 9/2015 - pres

Member, Family Medicine Research Committee	9/2015 - pres
<i>College of Human Medicine</i>	
Chair, Search Committee for Chair, Epidemiology and Biostatistics (successful recruitment of external applicant, Dr. Dawn Misra)	01 - 09/2019
Chair, Dean's 5-year Review Committee of Dept. of Pediatrics & Human Develop.	4/2018-11/2018
Member, FAD Chairperson Collaboration & Leadership Group	9/2015 - pres
Member, CHM Executive Management Committee	9/2015 - pres
Member, Chairs/Directors Research and Education Group	9/2015 - pres
Member, CHM Research Committee	8/2016 – 7/18
<i>HealthTeam (The University's Practice Plan)</i>	
Member, Department Advisory Committee	9/2015 - pres
Member, Clinical Chairs' Committee	9/2015 - pres
<i>University</i>	
MSU – ACCESS (Arab Health Research Network)	1/2016 – pres
Precision Health Committee	1/2019- pres

Wayne State University (2005-2015)

Departmental/Divisional

Faculty member, Department of Family Medicine and Public Health Sciences (DFMPHS) Research Strategy Implementation Team	2013 - 2015
Faculty member, DFMPHS MPH working group on psychosocial, behavioral and Environmental health	2013 – 2015
Faculty member, Institute of Environmental Health Sciences (IEHS) Committee for the development of an Environmental Health concentration within the MPH program	2013 - present
Vice Chair, DFMPHS	2012 - 2015
Member, DFMPHS Curriculum Committee	2010 - 2015
Leadership Committee, DFMPHS	2005 - 2015
Elected faculty member, DFMPHS Selective Salary Committee	2005 - 2015
Faculty member, DFMPHS Promotion and Tenure Committee	2008 - 2015
Co-Director, DOEH Rotating Occupational and Environmental Residency	2005 - 2012
Faculty member, DFMPHS Master of Public Health (MPH) Curriculum Committee	2008 - 2015
Faculty member, DFMPHS Mentoring Development Working Group	2010 - 2011
Faculty member, DFMPHS Research Committee for faculty review	2010 - 2015
Director, Occupational and Environmental Health Research Program	2005 - 2015

School of Medicine (Wayne State University)

Faculty member of the joint Search Committee for Environmental Health faculty to serve both DFMPHS and IEHS	2013 - 2015
Faculty member of the IEHS Search Committee for Environmental Health faculty	2013
Successful Recruitment: Dr. Samson Jamesdaniel	
Committee member, Southeast Michigan Committee on Continuous Medical Education	2011 - 2015
Faculty, Interdisciplinary Graduate Program in Molecular and Cellular Toxicology	2010 - 2015
Center for Urban and African American Health (CUAAH). Invited to serve on CUAAH	2009 - 2010

Curriculum Vitae

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Community Advisory Board to contribute expertise on environmental stress.
CUAAH grant funding from NIH was not renewed.

University

Member of the Institute for Population Studies, Health Assessment, Administration, Services and Economics (INPHAASE) Steering Committee 2015
Member, WSU President's Taskforce on Smoke free Campus policy 2014
Deputy Director, Wayne State University Institute of Environmental Health Sciences 2012 - 2015
Member, VP of Research Task force to expand International Research Collaboration and Funding ("FRAC"); Commissioned by the Office of the Vice President for Research 2012 - 2013
Wayne State University Faculty Advisory Committee to the VP of Research 2011 - 2015
Judge on the WSU Graduate Student Research Day, September 29 2011
Co-Founder, Wayne State University Campus-wide Wireless Health Initiative (WWHI) 2011 - 2015
Cardiovascular Research Institute (CVRI), Primary membership 2010 - 2015
Faculty, Interdisciplinary Graduate Program in Molecular and Cellular Toxicology 2010 - 2015
Faculty, Wayne State University, Institute of Environmental Health Sciences 2010 - 2015
Founding Member of the Health Care Industry Academic Panel for the Douglas A. Fraser Center for Workplace Issues, Labor@Wayne 2010 - 2015
Internal Review Committee, Department of Psychiatry and Behavioral Neurosciences School of Medicine. In addition to being a general member of the Committee, I was active on the scientific review sub-committee 2009
Community Engagement Committee, CTSA. Established important network of employers, including Automotive Industry Action Group Evaluation Committee 2007 - 2009
Active in drafting strategy for CTSA wide evaluation strategy

University Physician Group (UPG)

Director, Occupational and Environmental Medicine Clinic 2005 - 2015

Affiliated Medical Organizations

On-staff, Sinai Grace Hospital, DMC 2005 - 2015
On-staff, Rehabilitation Institute of Michigan, RIM 2010 - 2015

Professional

Member of the Scientific Committee of the 2020 Arab Health Summit: Advancing Health Equity for Women, Dearborn, MI, Nov 8 – 10 2020
Judge, Family Medicine Research Day, Howell, MI 2019
Moderator, Family Medicine Research Day, Howell, MI 2019
Organizer of networking meeting for Primary Care research on Type 2 Diabetes Mellitus. Grand Rapids, MI 2018
Judge, Family Medicine Research Day, Howell, MI 2018
Member of the technical program committee for IEEE&ACM CHASE 2018 (2018 the IEEE/ACM 3rd International Conference on Connected Health: Applications, Systems and Engineering Technologies). Washington, D.C. 2018
Candidate Interviewer, Pisacano Scholars Leadership Program (Anne Drolet, Rachael Hume) 2018- pres
Advisory Board, TabProtein, INC. 2018- pres
Director, Michigan Occupational and Environmental Medicine Association 2016 - 2017
Member, ADFM Research Development Committee 2017 - 2019

Member Scientific Committee, 8 th International Conference on Health Issues in Arab Communities, Washington, D.C. September 16-19, 2018	2017 - 2018
Board Member, Smart Health (New Journal published by Elsevier)	2016 - present
Vice President, Michigan Public Health Institute (MPHI)	2015 - present
Board Member, Occupational Health Science (OHS), Editorial Board	2016 - present
Board Member, Journal Occupational Health Psychology (SOHP) Associate Editor	2016 - present
Member, Association of Departments of Family Medicine (ADFM) Research Development Committee, University of Washington	2016 - present
International Work and Life Academy (IWALA), Founding Member	2015 - present
Reviewer, American Psychosomatic Society 72 nd Annual Scientific Meeting	2013
FACOEM, Fellow, American College and Environmental Medicine	2011 - present
Member of the Michigan Occupational and Environmental Medicine Association (Elected Delegate to American Conference on Occupational and Environmental Medicine)	2010 - present
Member of the Michigan IPIP (Initiative for Primary Health Practice Transformation) Initiative with the Robert Wood Johnson Foundation's to the American Board of Medical Specialties (ABMS)	2007 - 2010
Member of the External Advisory Committee, the University of Michigan NIOSH-funded Education and Research Center (ERC)	2007 - 2012
Board Member, Vice Chair, since 2004, Vardal Foundation for Asthma, Allergy, and Health Policy Research (www.vardal.se). The premier Swedish foundation for allergic and health systems research	2002 - 2012
Member, ICPH 2012 (AMA/CMA International Conference on Physician Health) Scientific Review Committee (SRC)	2010 - 2012
Member, American Committee of Occupational and Environmental Medicine Quality management System Task Group	2007 - 2012
Member of the Automotive Industry Action Group's (AIAG) Subcommittee on Value-based Health Care	2006 - 2008
Member of the Planning Committee for the MPH education at the Karolinska Institute	1997 - 1999
Member of the Master of Public Health Thesis Committee at the Karolinska Institute	1996 - 1999
Secretary, World Psychiatric Association's Section for Occupational Psychiatry	1992 - 1995
Member, Committee for the studies of suicide epidemiology and prevention. The Swedish Medical Research Council	1987 - 1995
Board member and Secretary, the Swedish Association for Medical Psychology	1983 - 1986
Member of the local Committee of Basic Sciences, Karolinska Institute	1983 - 1986
Chairman, the Swedish National Organization for Graduate Students (SACO)	1981 - 1982
Secretary and subsequently Chairman, the Association of Medical Students for the Greater Stockholm Area Section	1979 - 1981

Community

Member, Refugee Community Health Workgroup, Kent County, MI	2017- ongoing
Station House Retreat's Advisory Panel, Boynton Beach, FL	2016 - 2018
Chairman, Community-Academic Advisory Partnership Board for the NIMH-funded study on Mental Health in Iraqi Refugees: Importance of post-displacement social stressors and institutional resources (R01MH085793)	2009 - 2015
Advisory Board Member, YogaMedics, Inc	2009 - 2015
Advisory Board Member, Med Elephant. A WSU Tech-Town start-up	2009 - 2012
Physician Volunteer, Detroit Wayne County Health Authority	2008

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Inkster's Public-School Immunization and Health Fair

I have appeared multiple times on Michigan Public Radio, WDET, other local media, as well as in national media commenting on health disparity and trauma-related disorders.

I was cited in Detroit Free Press story on risk for mold-related respiratory problems following the Detroit flooding in the summer 2014	2014
I was quoted in Detroit Free Press's story on the rapidly evolving international trend of "Quantified Self"; a proactive health conscious movement focusing on continuously assessing health and health-related behavior using wireless technologies	2013

Consulting

I consult regularly on occupational, environmental and community health, and wireless technologies application to public health to public and private organizations	
I consulted to Exxon Biomedical Sciences Inc. on topics including Ergonomics and Occupational and Environmental cancer risk assessment in petrochemical industry	1987 - 1988 1990 - 1991

Scholarly Service

Grant Review Committees

National/International

Member, Grant Review Panel, Department of Defense, U.S. Army Medical Research and Materiel Command, Congressionally Directed Medical Research Programs (CDMRP 2016 Gulf War Illness Research Program (GWIRP))	2016
Member, Grant Review Panel, Congressionally Mandated Research Project US Army Medical Research and Materiel Command's (USAMRMC) Broad Agency Announcement (BAA) for Extramural Medical Research	2015
NSF/NIH Smart and Connected Health, Member of Scientific Review Committee	2014
Member, the Innovative Treatment Evaluation Award (ITEA) peer review panel of the 2014 Gulf War Illness Research Program (GWIRP) for the Department of Defense	2014
Member of the Scientific Planning Committee, 7 th International Conference on Health Issues in Arab Communities, Muscat, the Sultanate of Oman, March 2015	2014 - 2015
Congressionally Directed Medical Research Programs (CDMRP).	
Member (Invited). Scientific Review Group. Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP) Gulf War Illness Research Program (GWIRP) (Meeting: In person. Project reassigned to different SRG)	2013
Member of Best Practices Intervention and Evaluation Competition Committee	2008 - 2015
<i>NIOSH/APA Work, Stress, and Health</i> international congresses	
Scientific Chairman, Review of research reports generated from the Swedish Government's Return-to-Work research program (total funding \$15 million)	2012 - 2016
Chair, Vardal Research Foundation's International Scientific Review Group for the Swedish Government's Return-to-Work program.	2009 - 2012
Member of the Scientific Planning Committee, 6 th International Conference on Health Issues in Arab Communities, Dearborn, MI, 10/2012	2010 - 2012
04-06: Chair, The Vardal Foundation's Research Priority Committee on allergy research	1999 - 2006
Vardal is one of Europe's most prestigious and competitive research foundations	
Member, the Swedish Work Environment Research Fund's Research Priority and Funding Committee on "Electromagnetic Fields and Biological Consequences"	1993 - 1998

Regional/Local

Grant reviewer, Department of Public Health Sciences, Karolinska Institute, Stockholm 2007 - 2008
Member to the Henry Ford NIH Mock Review Training Session 2007

Service for Peer-Review Journals

Editor – Books

Associate Editor for the Knowledge, attitudes, behaviors, education, and communication in primary care section of BMC Family Practice 2010 - present
Co-Editor, Stress. Individuals, Organizations, and Molecules. 3rd Edition, Liber Publications, Stockholm, Sweden 2012 - 2013
Co-Editor, Stress. In Health and Disease. Wiley, Weinheim, Germany, English. (ISBN 13 978-3-527-31221-4) 2006
Co-Editor, Stress. Individuals, Organizations, and Molecules Liber Publ (ISBN 91-47-05258-9). Sales-to-date over 8000 hardcover units 2005
Co-editor, Health and Organizational Performance. Ekerlids Publ, (ISBN 91-89617-61-4) 2003
Co-editor, Stress. Molecules, Individuals, Organizations & Society. Liber Publ (ISBN 91-47-04895-6) 2002
Editor, Stress. A Guide to Primary Health Care. AstraZeneca (ISBN 91-86327-54-2) 2001
Editor, Health Care Risk Management. Student literature Publ (ISBN 91-44-00598-8) 1998
Co-editor, Information Technologies – Possibilities and Threats from an Occupational Health And Human Resource Perspective. University of Karlstad. ISSN 0282-5309 1992

Editorial Board Membership

Editorial Board, Journal of Managerial Psychology 2017 - present
Editorial Board, Occupational Health Science 2017 - present
Editorial Board, BMC Family Practice 2010 - present
Editorial Board, Journal of Occupational Health Psychology. Reappointed 2014 2009 - present
Deputy Editor, PQL Health Magazine, Uppsala University, Sweden, focusing on stress and resiliency 2000 - 2005
Editorial Board. Scandinavian Journal of Work, Environment and Health 1998 - 2008
Guest Editor, Dermatological Psychosomatics. ACTA DermatoVenereologica (Suppl 156):1-60 (ISSN 0365-8341) 1991
Consultant Editor, International Journal of Psychosomatics 1985 - 1993

Review of Manuscripts

I regularly review manuscripts in the areas of stress, public health, family medicine, refugee and immigrant health, and wireless health for the following journals:

Psychosomatic Medicine (2 - 3 manuscripts/year)
J Psychosomatic Research (1 - 3 manuscripts per year)
American Journal of Industrial Medicine (1 manuscript per year)
Sleep (1 manuscript every two or three years)
BMC Public Health (2-3 manuscripts per year)
BMC Family Medicine (5 - 6 manuscripts per year)

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Scandinavian Journal of Work Environment and Health (1 manuscript every three years)
Journal of Police and Criminal Psychology (1 -2 manuscripts per year)
International Journal of Occupational and Environmental Health (1 manuscript per year)
Journal of Occupational Health Psychology (3 - 4 manuscripts per year)
Journal of Occupational and Environmental Medicine (2 manuscripts per year)
Psychotherapy & Psychosomatics (1 manuscript per year)
Immigrant and Minority Health (2 manuscripts per year)
Nicotine and Tobacco Research (1 manuscript per year)
Sleep Medicine Reviews (91 manuscript per year)

Other Recent Scholarly Service (selected)

External Reviewer, Captain Dr. Pamela L. Krahl, under review for promotion to Assoc Profess. 2019
Uniformed Services University of the Health Sciences, Bethesda, MD
External reviewer to University of Khartoum, Sudan in consideration of promotion to 2015
Associate Professorship, Dr. Siham Ahmed Balla,
Chair, Scientific Session, Functional Food Conference, Stockholm, Sweden 2013
Chair, Public Health Wayne State – Iraqi Ministry of Health Working Group 2013
Sulaymaniyah, Iraq
Chair, Scientific Session on First Responder Resilience. International Society for 2013
Traumatic Stress Research, Philadelphia
External reviewer to University of Northern British Columbia in consideration of 2012
Promotion of Shannon Wagner, PhD, to Full Professor
Arnetz BB. Chair. Session on “Work and Mental Health Outcomes” 2009
Work, Stress and Health, San Juan, Puerto Rico
External reviewer for applicants to the distinguished Professorship in Stress Research 2009
University of Stockholm, Sweden
Harvard Medical School, P&T reviewer of Stephanos Kales, MD, PhD, considered for 2008
Promotion to tenured Associate Professor
Arnetz BB. Chair. Session on “Individual-Level Interventions for Health and Well-being.” 2008
Work, Stress and Health 2008, Washington, D.C.

TEACHING

Mentorship at Michigan State University

Graduate Students

Courtney Goetz, BA, MS, Research Assistant 2019-
Sukhesh Sudan, MPH, Research Assistant 2 2018-
Karren Wong, 1st MD Student, Research Advisor, received a Research 2018-
Enhancement Award from the Graduate School, Michigan State university
Malek Ghandour, 1st MD Student, Research 2018
Jamin Jolin, 3rd PhD student, Department of Psychology, Wayne State Univ. 2014 -

Years at Wayne State University

Graduate Courses

Lecturer, OEH/FPH 7860, Principles of Occupational Health, Master of Public Health (MPH) Program. Assisted in the development of the course curriculum and 3-hour workshop on Emerging issues in Occupational Health 2012 - 2015

Lecture, Co-director, FPH 7880, “Organizational Determinants of Employee Health and Productivity”, MPH Program, Department of Family Medicine and Public Health Sciences. Developed the course syllabus

Graduate Students

A. Michelle Wright, MA, PhD candidate, Dept of Psychology, WSU	2013 - 2015
Academic Advisor, Daisuke Kobayashi, MD. WSU MD-MPH student	2012 - 2015
Academic Advisor, Alemu Fite. WSU MPH student	2012 - 2014
Academic Advisor, Timothy Jelsema. WSU MD-MPH student	2011 - 2015
Abir Aldhalimi, MA, PhD candidate, University of Detroit	2010 - 2014
Project Research Advisor for Dalia Elsouhag, MD. Research Assistant on my NIMH-funded project: Mental Health in Iraqi Refugees: Importance of post-displacement social stressors and institutional resources (R01MH085793). Dr. Elsouhag’s MPH degree conferred August 2013	2011 - 2013

Years at other colleges/universities

Graduate teaching in Community Medicine course at Karolinska Institute	2000 - 2005
Director for Community Medicine course for medical students, Karolinska Inst.	1991 - 1998
Teacher in Community Medicine for Medical Students, Karolinska Institute	1978 - 1989
Teacher Assistant, physiology courses for medical students (1976-1981)	1976 - 1981

Uppsala University

Director, Community Medicine for medical students	1999 – 2005
Active member, course planning committee	
Director of a workers’ compensation and health insurance course for physicians and health insurance adjustors	2003

Teaching at Wayne State University

Graduate Students

Lectures to medical and graduate students and residents on Occupational and Environmental and Community Health	2005 - 2015
Course Co-Director, MPH FPH 7880, Organizational Determinants of Employee Health and Productivity (regularly appearing 3-credit hour course 1 semester/year)	2009 - 2015
Lecture; Program Design & Evaluation, in MPH FPH 7210 Research Methods for Health Professionals	2007 - 2011

Medical Students

Luncheon lecture to 1 st year medical students on public health	2010
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Residents/Fellows

Lectured regularly at the Division of Occupational and Environmental Health’s Rotating OEM course for Family Medicine residents	2005 - 2012
Lectured to DMC/WSU Pulmonary Fellows, WSU, on Occupational Asthma	2010
Organized CME courses for SE Michigan physicians on the topic of Occupational and Environmental Health	2009

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Faculty

Mentorship

Faculty (on-going)

Judith Arnetz, PhD, Professor, Faculty, Michigan State University
Shelly Knowles, MD, Clinical Assistant Professor, Carl R. Darnall Army Medical Center
Ilce Medina Meza, Assistant Professor, Michigan State University
Masako Morishita, PhD, Associate Professor, Michigan State University

Prior Mentorship

James Blessman, MD, MPH, Assistant Professor, faculty
Joseph Caruso, PhD, Assistant Professor, WSU Inst. of Environment. Health Sciences
Samson Jamesdaniel, Md, PhD
Ingrid Anderzen, PhD, Associate Professor, faculty, Uppsala University
Julie Gleason-Comstock, Assistant Professor, faculty, Wayne State University
David Walsworth, MD, Assistant Professor, Michigan State University, School of Med.
Clairy Wiholm, Senior Scientist, faculty, Uppsala University

Graduate Students

Michelle Wright, PhD student, Department of Psychology, and GRA the OEM 2013 - 2015
Division Mentoring on theory, statistical analysis, manuscript preparation
Arwa Y. Ibrahim, MSc, PhD candidate, Drexel University 2012 - 2015
Abir Aldhalimi, MA, PhD candidate, University of Detroit Mercy
AAS Executive Branch Fellowship 2010 - 2015
Eamonn Able, BA, PhD candidate, Dept. of Psychology, Wayne State University 2010 - 2013
Adam “Toby” Lynch, PhD Candidate, Univ. of Detroit Mercy, GRA. 2010 - 2012
Matt Ventimiglia, BA, PhD, Univ Detroit Mercy, GRA 2009 - 2012
Carissa Broadbridge, PhD Candidate, Dept. of Psychology, WSU 2011 - 2013
Alexis Drutchas, MD, studied at WSUSOM. I mentored her in her 2010 - 2012
successful process of being selected as one of only 14 students to CDC-Emory
University’s “Break the Cycle of Environmental Health Disparities”. This is a
national project to form the future leaders in pediatric environmental health.
In 2012, Dr. Drutchas was selected to a pediatric residency at Brown, RI
Levent Hikmet Sipahi, MD, PhD candidate, WSUSOM, Co-mentor on K-ward 2010
application

Residents

Nikhil Parekh, MD. Effects of handheld telecommunication devices on 2011 - 2013
the day-to-day personal and professional lives of physicians’ knowledge workers.
Awarded “Best Oral Presentation on Technology”, 36th annual Michigan Family
Medicine Research Day, May 23, 2013

Students

Yoasif Rofa, MD, MPH. RA on my NIHM-funded Iraqi refugee project 2011 - 2013
Published in peer-reviewed journals
Evone Barkhom, MD, PhD. RA on my NIHM-funded Iraqi refugee project 2011 - 2013

Essays/Thesis/Dissertation

PhD Dissertations

- Michelle Wright, MA. Event Centrality: Stability, Predictors & PTSD 2013 - 2015
Dept of Psychology. Co-Advisor.
- Aldhalimi A. Epigenetic investigation of war-related trauma. PhD-candidate 2010 - 2015
- Hallman D. Autonomic nervous system regulation in chronic neck-shoulder pain. 2009 - 2013
Relations to physical activity and perceived stress
University of Detroit Mercy. Co-advisor.
- Broadbridge C. The role of memory, personality, and thought processes in 2011 - 2013
Posttraumatic Stress Disorder. Completed PhD, Department of Psychology
Wayne State University. Co-Advisor.
- Ventimiglia M. Determinants of mental Health in a Refugee Population: 2010 - 2012
The impact of Trauma and Resiliency Factors in Newly Arrived Refugees from Iraq
University of Detroit Mercy. Co-advisor.
- Halford C. Self-rated Health with Special Reference to Prevalence, Determinants and 2007 - 2013
Consequences. Uppsala University. ISBN 978-91-554-7925-1. Co-advisor
Member of the PhD Committee
- Kälvemark Sporrang S. Ethical Competence and Moral Distress in the Health Care Sector 2002 - 2007
A prospective evaluation of ethics rounds. Uppsala University
ISBN 978-91-554-6797-5. Senior Advisor
- Hasson H. Nursing Staff Competence, Psychosocial Work Environment and 2002 - 2006
Quality of Elderly Care: Impact of an Educational Intervention. Uppsala University
ISBN 91-554-6750-4. Co-advisor
- Wiholm C. Advanced knowledge work and stress-related symptoms. Uppsala University 2003 - 2006
ISBN 91-554-6479-3. Senior Advisor
- Jansson von Vultée P. Physicians' work environment and health 1999 - 2004
A prospective controlled intervention study of management development programs
targeting female physicians. Uppsala University. ISBN 91-554-5923-4. Senior Advisor
- Forsberg, E. Do financial incentives make a difference? A Comparative Study of the 1997 - 2001
Effects of Performance-Based Reimbursement in Swedish Health Care. Uppsala University
ISBN 91-554-5123-3. Senior Advisor
- Hillert, L. Hypersensitivity to electricity; symptoms, risk factors and therapeutic 1998 - 2001
interventions. Karolinska Institute. ISBN 91-7349-016-4. Senior Advisor
- Thomsen, S. Stress, satisfaction, and quality of care. Studies of organizational and 1996 - 2000

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

individual well-being in health care personnel. Karolinska Institute
ISBN: 91-628-4345-1. Senior Advisor

Ylipää, V. Work environment, health and well-being in dental hygienists. 1996 - 2000
A work-health-culture model. Karolinska Institute. ISBN 91-628-4068-1. Senior Advisor

Arnetz, J. Violence towards health care personnel: prevalence, risk factors, prevention 1995 - 1998
and relation to quality of care. Karolinska Institute. ISBN 91-628-3254-9. Senior Advisor

Anderzén, I. The internationalization of work. Psychophysiological predictors of 1994 - 1998
adjustment to foreign assignment. Karolinska Institutet. ISBN 91-628-3283-2.
Senior Advisor

Petterson, I-L. Health care in transition – threat or opportunity? Psychosocial work 1993 - 1997
quality and health for staff and organization. Karolinska Institute. ISBN 91-628-2692-1.
Senior Advisor

Lökk, J. On the effects of an autonomous day care programme for elderly patients in 1986 - 1991
rehabilitation. Karolinska Institute. ISBN 91-628-0292-5. Senior Advisor

Licentiate

Wiholm C. Musculoskeletal and skin symptoms in a high-tech working environment 2004
Karolinska Institute. ISBN 91-7349-997-8. Senior Advisor

Masters Theses

Wygand C. The impact of emergency department (ED) organizational culture on biological 2016
stress levels in resident physicians. MPH, Michigan State University

Ali HT. A literature review of waterpipe tobacco smoking trends worldwide. Master's Degree 2013
Wayne State University Basic Medical Sciences (BMS) program (Reader)

Warritay Y. A mother's perception of paternal support and prenatal care utilization 2013
Master Thesis, MPH, Wayne State University

Ibrahim Arwa Y. Mixed-Methods Analysis of Iraqi Refugees with Potential Trauma 2011 - 2013
Histories. (Dept. of Psychology, Drexel University, Philadelphia, PA
Thesis successfully defended December 5, 2013

Brandenstein TJ. Substance use disorder in posttraumatic stress: a review. Master Thesis in 2011
Basic Medical Sciences, Wayne State University Graduate School

Wang S. SPARTAN: A framework for Smart Phone assisted real-time health care network 2010
design. Master Thesis presented at the Department of Computer Sciences, Wayne State University
Member of the Thesis Committee

Frenzel L. Prenatal care changes. Expectations and concerns in anticipation of the privatization 2004
of prenatal care centers and implications for the working conditions for midwives
Karolinska Institute. Senior Advisor

Arnetz J. Violence in the nursing profession: occupational and lifestyle risk factors in Swedish nurses. Karolinska Institute. Senior Advisor	2006
PhD Dissertation Committee Member	
Michelle Wright, MA. Event Centrality: Stability, Predictors & PTSD 2015 Dept of Psychology.	2013 -
Aldhalimi A. Epigenetic investigation of war-related trauma. PhD-candidate University of Detroit Mercy.	2010 - 2014
Broadbridge C. The role of memory, personality, and thought processes in Posttraumatic Stress Disorder. Completed PhD, Department of Psychology Wayne State University.	2011 - 2013
Ventimiglia M. Determinants of mental Health in a Refugee Population: The impact of Trauma and Resiliency Factors in Newly Arrived Refugees from Iraq University of Detroit Mercy.	2010 - 2012
Hijazi, A. Narrative Exposure Therapy to Treat Traumatic Stress in Middle Eastern	2011 - 2013
Stout RA. An Analysis of Writing Content in a Web-based Guided Writing Intervention for Migraine Headaches. PhD thesis submitted to the Graduate School of Wayne State University, Department of psychology Refugees: A Clinical Trial. Dept. of Psychology, Wayne State University	2008
Stout R. An analysis of Writing Content and Headache Outcomes in a Web-based Guided Writing Intervention for Migraine Headaches. WSU Dept. of Psychology	2006 - 2008
Undergraduate Students	
Amayo J. Undergraduate student in biological sciences, Wayne State University 2013 Award for best poster at Wayne State University's undergraduate research conference	2012 - 2013
Course or curriculum development	
Committee member, overhaul of the WSU <u>O</u> ccupational and <u>E</u> nvironmental <u>H</u> ealth program in preparation for a OEH concentration within the MPH program	2012 - 2013
Co-Chair, DFMPHS/WSUSOM Committee for the development of a proposal for an Iraqi College of Public Health, in close liaison with the Iraqi Ministries of Health and Education. This is a multi-year effort to secure funding in excess of \$100 million	2011 - 2015
Member of the MPH program Curriculum Committee, Department of Family Medicine Public Health Sciences, Wayne State University School of Medicine and the Workforce Development Committee. WSU MPH program received 5 year CEPH accreditation, June 2011	2006 - 2015
Member of the Curriculum Development Committee for the Wayne State University	2005 – 2012
School of Medicine Rotating Course in Occupational and Environmental Medicine	2009 - 2013

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Curriculum development for a new MPH course; FPH 7880, Organizational Determinants of Employee Health and Productivity. The course is offered on a regular basis	2009
Chair, Committee on revising the Public Health/Social Medicine course content for medical students at Uppsala University	2003 – 2005
Chair, Committee on the development of a course in workers' compensation and social insurance medicine for practicing physicians and health claims adjusters at Uppsala University	2003
Member of the MPH Development Committee, Karolinska Institute	1996 – 1998
Developed a training guide in epidemiology for occupational health physicians	1998

GRANTS, CONTRACTS, AND OTHER FUNDING

Active National/International Grants and Contracts

Co-I: B. Arnetz

The Research to Reduce Disparities in Disease (R2D2)

7/1/18-6/30/23

National Heart, Lung, and Blood Institute (NHLBI) 1R25HL140319-01A1

\$91,946 (Total Direct Costs \$85,135; Total Indirect Costs \$6,811)

Co-I: B. Arnetz (FTE 5%), PI: C. Eschbach; Co-I: J. Arnetz, A. Wendling, C. Goetz

Evidence-Based Training to Prevent OUD and Support Treatment and Recovery in Michigan's Rural Communities

Substance Abuse and Mental Health Services Administration (SAMHSA) 1H79TI082573-01

Rural Opioids Technical Assistance Grants (ROTA)

09/30/2019 – 09/29/2021

\$1,064,473.66 (\$985,623 direct, \$78,849 indirect)

Co-I: B. Arnetz (FTE 0.01; 0.12 Person-month) (PI: R. Haque)

GREETS: Geriatric Rural Extension of Expertise through Telegeriatric Services

1/1/2020 – 12/31/2021

Michigan Health Endowment Fund

\$499,983 (total)

PI: B. Arnetz (FTE 0.10; 1.20 calendar months)

MSUCHM and MHSM Implementation Sciences Applied Research Initiative Project

Mercy Health Saint Mary's

05/01/2018-04/30/2021

\$1,200,000 (all direct)

In this system-wide project, senior leaders from the healthcare systems and a multidisciplinary group of researchers collaborates to identify and disseminate system wide causal success factors to enhance strategically important outcomes in terms of patient experience, cost effectiveness, and patient experience.

The project will generate new models for implementation sciences and a better understanding of how to identify, verify and translate knowledge about promoters and obstacles to achieve high reliability healthcare systems.

International Research Collaboration, including Grants Based in non-US Institutions

Pending National/International Grants and Contracts

PI: Ghosh. MSU Site PI: J. Arnetz (10%); B. Arnetz (consultant FTE 0.01). Novel Statistical Methods for Comparative Effectiveness Research in the Framework of Cluster Randomized Intervention Trials
Patient-Centered Outcomes Research Institute (PCORI)

11/01/2019-10/31/2022

\$105,267 (MSU subcontract)

**Submitted January 2019, scored and accepted for resubmission January 2020*

Co-I: B. Arnetz (FTE .10) PI: R. Haque

GREETS: Geriatric Rural Extension of Expertise through Telegeriatric Services

Michigan Health Endowment Fund

\$499,984.00

Co-I: B. Arnetz (FTE .10) PI: C. Eschbach

Evidence-Based Training to Prevent OUD and Support Treatment and Recovery in Michigan's Rural Communities

SAMHSA, Opioid STR

9/30/19-9/29/21

\$1,064,473.66; Direct Cost: \$985,623.78

PI: B. Arnetz

Michigan Initiative for Improving Behavioral Health in Rural Communities

Michigan Health Endowment Fund

Project Period: 01/01/2020 – 12/31/2021

\$492,488.90; Direct Cost: \$443,284.27

Previously Funded Grants and Contracts (1990 and forward)

Co-I: B. Arnetz (FTE 0.01) (PI: S. Ghosh)

Developing Bayesian Methods for Non-Inferiority Trial in Comparative Effectiveness Research
PCORI

IHS-1409-21410

10/01/15 – 9/30/18

\$38,429 (Direct: \$35,592, Indirect: \$3,837)

In this research project, the focus is on two aspects primarily, a) Eliciting prior information from heterogeneous sources such as past similar clinical trials from patients/clinicians/stakeholders' opinion; and

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

b) Incorporating this prior in both two-arm and three-arm NI trial design. In a three-arm NI trial when it is ethically acceptable a placebo arm is added along with experimental and active comparator

Co-PI: B. Arnetz (FTE 0.10 in kind. Co-PI: R. Mohamed)

Transportation, Health, Environmental and Economic Impacts of the M-1 Rail.

Wayne State University Office of the Vice President of Research

02/09/15 – 01/31/17

\$100,000.

The purpose is to scope the feasibility for a large-scale, Federally-funded study of the broad environmental and public health impacts of the forthcoming M-1 light rail in the city of Detroit.

PI: B Arnetz (FTE 0.30; 3.60 calendar)

Mental health in Iraqi refugees: importance of post-displacement social stressors and institutional resources

R01MH085793-01A2

NIH/NIMH

07/01/10 – 02/29/16

\$2,641,244

The major goal of this 5-year prospective controlled community-based participatory cohort study was to determine the importance of post-displacement social-environmental stressors and institutional resources for health and social and vocational integration in a random sample of Iraqi refugees as compared to immigrant controls.

Impact/Priority Scoring: 13. Percentile: 7.

Co-I: B. Arnetz (FTE 0.10; 1.20 calendar) PI: M. Runge-Morris

Center for Urban Responses to Environmental Stressors (CURES)

P30ES020957

NIH/NIEHS

06/05/14 – 03/31/17

\$2,454,236 (Total Direct Cost, 1,603,213; total Indirect Cost, 853,023)

The major goal was to build the scientific and community-partnership to study environmental health disparities in vulnerable and underserved persons in Detroit and evaluate strategies to mitigate health disparities.

Co-I: B. Arnetz (FTE n/a)

MPI (G. Kuleck, Contact PI)

Wayne State University BEST (Broadening Experience in Scientific Training)

DP7 OD018427

NIH/NIDCR and NIH Office of the Director

09/20/20013 – 08/31/2018

\$1,183,114 (Total Direct Cost)

\$525,000 (Total Indirect Cost)

The purpose of this project was to facilitate that graduate students learn more about career opportunities outside of mainstream academia.

Co-I: B. Arnetz (FTE n/a)

MPI (G. Kuleck, Contact PI)

ReBUILD Detroit (Research Enhancement for Building Infrastructure Leading to Diversity)

U54 MD009472

NIH Office of the Director

09/30/2014 – 09/29/2019

\$19,915,870 (Total Direct Cost)

\$11,290,649,870 (Total Indirect Cost)

The project featured a consortium of Detroit colleges that worked together to facilitate the entry of undergraduate students from underrepresented and economically disadvantaged backgrounds to pursue competitive careers in biomedical research.

Co-PI: B Arnetz (FTE 0.10 in kind) (PI: M. Runge-Morris)

Center for Urban Responses to Environmental Stressors (CURES).

Multidisciplinary Research Group Incubator Program (MRGIP) Award by the Vice President of Research, Wayne State University following external scientific review

06/15/13 – 06/30/15

\$2,456,236

The purpose was to carry out research focusing on complex chemical and non-chemical urban exposures and health. The proposal also specifies the recruitment and training strategy of next generation environmental health researchers.

Co-I: B Arnetz (Co-PIs: Hu H, Ruden D. Additional Co-Is: Andrews CP, Bach J, Basu N, M, Holmes D, Keating D, Land S, Lehner A, Omenn G, Peterson K, Richardson R, Sartor M, Villamor E)

The Michigan Bloodspot Environmental Epidemiology Project (BLEEP)

URC: Michigan's University Research Corridor (URC – pooled funding involving Michigan's three premier research universities. BLEEP was selected in peer-reviewed, competitive selection process)

05/01/11-04/30/2014

USD 450,000

This proposal made use of the recently organized Neonatal Blood Spot Translational Research Network Virtual Repository for multidisciplinary integrated environmental health research on the potential impacts of prenatal toxicant exposures on disease. The proposal focused on epigenetics as a potential mechanism through which early life exposures impact on the risk of disease through its role in programming gene expression as well as its responsiveness to environmental and psychosocial community exposures

P.I. B Arnetz (FTE 0.10 in kind) (P Lewalski, Co-I, K Przyklenk, Co-I, S Siddiqui, Co-I)

Acute cardiovascular stress and quality of patient care.

Blue Cross Blue Shield of Michigan Foundation

06/21/12-03/31/14

\$10,000

The purpose with this translational, multidisciplinary project was to study the association between objective patient load, neuroendocrine and molecular cardiovascular risk factors in emergency department physician and objective patient quality indicators

PI: B Arnetz (FTE 0.30; 3.60 calendar)

Imagery-based trauma-resiliency training for urban police

5R34MH086943-02

NIH/NIMH

08/17/09 – 05/31/13

\$679,718

The major goal of this project was to determine the feasibility and efficacy of an imagery-based trauma-resiliency program for city of Detroit police officers.

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

P.I. B Arnetz (FTE 0.10, in kind)

Ultraminiature heart monitor ring for 24-hour wireless remote patient monitoring (RPM) of cardiovascular health

Wayne State University Cardiovascular Research Institute's Competitive Isis Award

10/15/11 – 10/30/13

USD 23,000

In this project, we developed an advanced ring sensor for the instant wireless monitoring of heart rate and intra-arterial pressure waves in patients with heart failure in their everyday life. The remote, and real-time sensor data could be used to enhance treatment in this costly and high-risk patient group and enhance the understanding as to how psychosocial environmental community stressors impact cardiac load

PI: B Arnetz (FTE 0.10 in kind)

Utility of epigenomic exposure signature in quantifying war-related environmental exposures

Grants Plus Research Program. Awarded from the Vice President of Research, Wayne State University

Nationally-funded investigators are allowed to apply for this competitively-funded research expansion

award. Only 4 recipients were awarded funds in 2012.

05/01/12 – 10/31/13

\$100,000.

The aim of this project was to explore the utility of stress-related epigenomic exposure signature imprints and stress biomarker to quantify war-related exposures in a random sample of newly arrived refugees to the U.S.

PI: B Arnetz (FTE 0.05; 0.60 calendar)

Professionally induced stress among first responders. Phase 2: Prevalence, risk and resiliency factors based on a nationally representative sample

Royal Foundation of Sweden (Kungafonden). Acc Index # 440441

(Coeus Award #: 013860-001)

04/01/09-08/31/13

\$144,211

The major goal of this epidemiological study was to determine the prevalence of and risk and resiliency factors for stress and trauma-related disorders in a random sample of first responders.

PI: B Arnetz

US. versus Swedish refugee integration programs and policies. Cost-effectiveness and public health assessment.

Wayne State University President Research Enhancement Award.

Wayne State University Index #: 171892

06/15/10-11/15/12

\$76,600

The goal of this project was to compare the cost-effectiveness and public health impact from two different refugee integration policies.

PI: B Arnetz (Grant Designated Institution: Uppsala University)

Relationship between Psychosocial Work Environment, Heart Rate, and Blood Pressure in Real Time.

Collaboration between WSU and Uppsala University (UU) researchers.

The Swedish Council for Working Life and Social Research-FAS (scored at 10th %) FAS Project No: 2008-0095

09-12

\$295,000

The aim of this project was to develop a wireless sensor system that allows for continuous and real-time assessment of participants' heart rate, blood pressure, and self-ratings of stress. Ultimately, the system will be used to identify high stress urban environments by using the participants as "biomonitors".

P.I. B. Arnetz (FTE 0.10 in kind) (J.R. Harkema, Co-PI, H.J. Krouse, Co-PI, M. Morishita, Co-PI, J.T. Dvornch, Co-I, T.C. Lewis, Co-I, J.G. Wagner, Co-I).

The Effects of Air Pollution on asthma in Vulnerable Subpopulations of Arab American

URC: Michigan's University Research Corridor (engaging Michigan's three premier research universities
07/11-06/2015

\$316,942

The purpose of this study was to look at the relationship between self-reported asthma and characteristics and sources of air-borne particles in vulnerable and asthma-prone schoolchildren and older adults of Arabic descent in a highly polluted area of metro-Detroit during the low and high asthma seasons. In addition, young and old "asthma-prone" mice were exposed to air samples to assess pathophysiological mechanisms related to pollutant's particle size and source. This URC-funded project involved researchers from all three of Michigan's research universities

Previously competitively funded: Non-US-Based

PI: B Arnetz (FTE 0.20) (Grant Designated Institution: Uppsala University)

Epidemiology and socioecological risk factors for waterpipe (hookah) use.

The Swedish Public Health Agency

02/25/2014 – 12/31/2016

\$525,000

The goal was to determine prevalence and incidence of waterpipe use in adolescents in Sweden and develop and evaluate the efficacy of a school-based intervention.

Co-PI: B Arnetz (FTE 0.05) (Grant Designated Institution: Uppsala University)

The impact of religion. A multidisciplinary team of researchers looking at the impact of religion (judicial, social, discrimination, personal wellness, and health care) in the multi-ethnic society. Awarded in a competitive process involving all Swedish first-tier universities. Collaboration between WSU and UU researchers.

The Swedish Research Council

08-17

\$8,500,000 (matched by an additional \$8,500,000 from the Uppsala University)

The goal of this multi-year and multidisciplinary program was to look at the impact of religion on a range of social institutions and functions, including health care.

PI: B Arnetz (Grant Designated Institution: Uppsala University - UU)

Sustained stress, health, and occupational/social implications of refugee movements.

A multi-level, US-Sweden collaborative research. This project involves over 15 researchers and 25 community organizations. Phase 1: project planning, collaboration WSU and UU researchers.

The Sodertalje Municipality, Sweden.

08-14

\$285,000

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

The goal of this project was to assess the cost-benefit and efficacy in terms of vocational integration and public health of a traditional refugee integration program with that of a new and innovative program.

PI: B Arnetz

The internationalization of work. A controlled prospective psycho-physiological assessment

RBJ. The Bank of Sweden Tercentenary Foundation

91-96

\$575,000

PI: B Arnetz

National assessment of the working life and health of certified Swedish nurses. An epidemiological survey

RALF (1)

91-93

\$600,000

PI: B Arnetz

QWC-Quality, Work, Competence among staff and patients. Research, development and implementation

Örebro University Hospital

92-95

\$600,000

PI: B Arnetz

Violence in health care settings. Epidemiology and assessment of a prospective intervention

RALF (1)

95-96

\$140,000

PI: B Arnetz

Follow-up of results of QWC assessments

Örebro University Hospital

97-98

\$166,000

PI: B Arnetz

Work, skills and health

Sahlgrenska University Hospital

97-98

\$66,000

PI: B Arnetz

Violence in health care

RALF (1)

98-99

\$53,000

PI: B Arnetz

Work environments and quality in times of financial cut-backs

Stockholm County (SLL)
97-98
\$196,600

PI: B Arnetz
Enhancing diagnostic skills for musculo-skeletal and mental disorders in primary care
SLL
97-98
\$100,000

PI: B Arnetz
Work and health among female MDs at university hospitals. A prospective, controlled intervention study
RALF (1)
97-02
\$166,000 and \$165,000

PI: B Arnetz
Salutogenic and risk factors in a high-tech working environment
SPP Insurance Research Fund (2)
98-98
\$13,000

PI: B Arnetz
Electric and magnetic fields and sleep. A dose-response laboratory study of possible neurophysiological, endocrine and self-rated effects
RALF (1)
09-00
\$250,000

PI: B Arnetz
Health care quality in Africa. What can Sweden learn?
The Swedish Development Agency
98-99
\$11,000

PI: B Arnetz
TQM – possible effects on work conditions and quality of care. A controlled, prospective intervention study.
RALF*
98-00
\$100,000

PI: B Arnetz
Working conditions and health for health care staff
SLL
98-99
\$38,000

PI: B Arnetz
Working conditions and patient satisfaction. An applied intervention

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

The Health Care Co of Stkhlm South/SLL-Syd
99
\$100,000

PI: B Arnetz
Work and health conditions in lean organizations
RALF (1)
99
\$16,000

PI: B Arnetz/J Arnetz
Patient's complaints. Data-base development and statistical analysis. Risk factors and hospital-specific assessment
SLL
99-01
\$108,000

PI: B Arnetz/J Arnetz
Assessment and intervention for an improved work environment in the health care sector
Uppsala County
01-02
\$1,833,000

PI: B Arnetz
Patient complaints. What can we learn?
The Swedish Department of Health and Human Services (SoS)
01
\$5,900

PI: B Arnetz
Work organization, employee health and performance. A prospective intervention.
The Swedish IRS' Strategic work development department
01-03
\$200,000

PI: B Arnetz
Workload and organizational performance in elderly care
The Vardal Foundation – for health care sciences and allergy research
00-03
\$100,000

PI: B Arnetz/J Arnetz
A healthier university
The Chancellor's Office, Uppsala University
02-03
\$100,000

PI: B Arnetz
Employee health, creativity, physiology and organizational economics among IT and media employees

SPP/ALECTA (2)
00-05
\$1,166,000

PI: B Arnetz
Impact of the work organization on the ethical competence of health care staff and pharmacists
RALF (1)/FAS (3)
01-04
\$166,000

PI: B Arnetz
Assessment and development of institutionalized and home-based elderly care. An applied, prospective study
VINNOVA (4)
01-02
\$100,000

PI: B Arnetz
Stress and recovery. A prospective psycho-physiological study of fatigue patients
RALF (1)/FAS (3)
01-04
\$170,000

PI: B Arnetz
Mental well-being and optimal workload. Prospective studies in three large organizations
Afa (5)
02-04
\$333,000

PI: B Arnetz
Cell phone use – cardiovascular studies
RALF (1)/FAS (3)
03-05
\$98,000

PI: B Arnetz
Stress reduction & cardiovascular risks
Folksam Insurance Research Fund
02-04
\$38,000

PI: B Arnetz (FTE 0.20)
Advanced studies of healthy work organizations (ACOW)
Skandia Group. Acct. # 420393
02-07
\$1,175,000

PI: B Arnetz (FTE 0.20)
Professionally induced stress among first responders. Phase 1.
Royal Foundation of Sweden (Kungafonden).

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Wayne State University Acct. # 440306
06-09
\$75,865

PI: B Arnetz (less than 5%)
Health Productivity Enhancement Program
Wayne State University Project No: 440095
Volvo Cars
05 - 10
\$12,600

Co-I: B Arnetz (T. Lucas, PI, L. Thompson Co-I)
Wayne State University: Research Enhancement Program-Urban Research
Policy, Psychology and Immigrant Employment in Urban Environments
9/1/2009-11/1/2010
\$42,000 x 1 year

The aim of this study was to manipulate various individual and in-group beliefs among employees and assess implication for hiring preference of Iraqi immigrants.

Co-I: B Arnetz, (0.96 calendar; J Arnetz, PI, P Lichtenberg Co-I, M. Luborsky Co-I)
Organizational Climate, Patient Safety Culture and Quality of Nursing Home Care
Blue Cross Blue Shield of Michigan Foundation - Investigator Initiated Research Program
01/01/10-12/31/11
\$150,000

The aim of this study was to examine the association between the organizational climate and patient safety culture, and measurable indicators in nursing homes.

(1; 3; 4): (1) The Swedish Work Environment Research Fund. RALF's funding for occupational and environmental research was reorganized to form two new organizations in 2003 ((3) FAS and (4) VINNOVA, respectively.) All three entities are national, highly competitive, peer-reviewed research foundations, funding the majority of Swedish occupational and environmental health research.

(2) SPP/ALECTA a major insurance carrier for worker's comp and retirement benefits in Sweden. Funds on a competitive basis occupational health research - Jointly owned by employee and employer organizations.

(5) Afa, the other major insurance, in addition to SPP/ALECTA, carrier for worker's compensation and retirement benefits for employees. Jointly owned by employee and employees' organizations.

(6) Mobile Manufacturers' Forum. An international research association for wireless technologies financed my mobile phone manufacturers and operators.

Grants prior to 2006, PPP \$ = 6 Swedish Crown (SKR), 2007-onwards PPP\$ = 7.30

Previously Submitted, Scored, but not funded Grants and Contracts

PI: Ghosh. MSU Site PI: J. Arnetz (10%); B. Arnetz (consultant, FTE: 0.01)
Novel Statistical Methods for Comparative Effectiveness Research in the Framework of Cluster Randomized Intervention Trials
Patient-Centered Outcomes Research Institute (PCORI)
11/01/2019-10/31/2022
\$105,267 (MSU subcontract)

**Submitted January 2019, scored and accepted for resubmission January 2020*

PI: B. Arnetz (20% FTE or 2.40 calendar months (CM) Yr1-2; 10% or 1.20 CM Y3)
Enhancing Decision-making Processes in Law Enforcement Officers During Potentially Critical Incidents
NIJ-2018-14065
NIJ
Project Period: 01/01/19—12/31/21
\$992,001

PI: B. Arnetz
Co-Is: L. Brundin (VAI), P. Brundin (VAI), D. Chelsea (Spectrum Health), G. Coetzee (), E. Millermaier (Spectrum Health), F. Viens ()
Understanding the role of immune cells in Parkinson's Disease (PD)
"Gibby & Friends vs Parky" Parkinson's Disease Research Project award. 2nd Round Submission.
07/01/2018-06/30/2021

PI: B Arnetz
Imagery Intervention to Strengthen Stress Resilience and Job Safety in Police Officers
(Impact Score 20- Percentile 14 – Just-in-Time information provided - pending Council decision)
GRANTID12057437
NIOSH
01/01/17 – 12/31/21
USD: \$1,526,467 (Direct), \$590,527 (Indirect), \$2,116,993 (Total)

Co-PIs: B Arnetz (MSU) PI: Jen CKL (WSU)
Socioeconomic Strain and Health Disparities in Middle Eastern Refugees: The Mediating Role of Inflammation and Potentiating Effects from Western Diet.
(Impact Score – 31 - Percentile 17 – Just-in-Time information provided - pending Council decision)
GRANTID12177691
NIMHHD/NIH
04/01/17 – 03/31/21
USD: \$2,450,765 (Direct), \$858,254 (Indirect), \$3,309,019 (Total)

PI: Wendling AL (**Score 113**)
Co-Is: (MSU - Arnetz BB, Arnetz JE, Phillips JP, Keenum A, Mavis B, Sadler R, McNail M), (Upstate NY– CP Morely, C Roseamelia), (UofColorado – M. Deutchman, W Bailey, L Green)
Strengthening the Rural Primary Care Workforce through the Alliance for Rural Medical Education and
136983
HRSA
07/01/2016 – 06/30/2021
USD: \$3,274,915 (Direct), \$1,722,141 (Indirect), \$3,725,719 (Total)

Research (ARMER)
PI: B. Arnetz, M Runge-Morris (**Impact Score: 37**)
Integrative science for environmental equity in Detroit (I SEE Detroit).
1P50ES026112

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

NIEHS

07/01/15 – 06/30/20

USD: \$3,274,915 (Direct), \$1,722,141 (Indirect), \$4,997,056 (Total)

PI: B. Arnetz (FTE 0.20) (Co-Is: J. Blessman, S. Ghosh, M. Lumley, N. Pole, J. Violanti)

Imagery intervention to enhance stress resilience and performance in in junior police officers

NIH/NIOSH

01/10/2015 - 12/31/2018

\$1,458,917 (Total Direct Cost)

\$2,172,402 (total Cost)

The purpose of this prospective controlled study was to determine the efficacy of novel program to enhance stress resilience and performance in junior police officers compared to active educational control sessions.

Impact score: 35. Percentile: 31

PI: B. Arnetz (FTE 0.20) (Co-Is: J. Arnetz, E. Arble, M. Lumley, M. Tancer, V. Welzant, N. Alvarez, C.K. Bohn, R. Douglas, D. Howell, E. Gharibian, J. Violanti).

A multi-stakeholder-driven approach to addressing vicarious trauma in high-risk professions

U.S. Department of Justice, Office of Justice Programs

01/01/14 – 12/31/15

\$1,395,338

PI: B Arnetz (FTE 0.15; 1.8 calendar) –Selected for funding but funding was rescinded due to DHS-wide review of funding strategies)

First responder resiliency – identification and application of malleable factors

BAA 10-18

10/01/10 – 09/30/12 (2nd year optional)

\$336,994

The major goal of this project was to determine professionally- and socially-derived resiliency strategies in first responders. We also paned to determine the feasibility of an integrated wireless sensor system to monitor biological stress in real-life.

Co-I: Arnetz B. (PI: Runge-Morris M; Co-Is: Alford SH, Chen F, Dereski M, Kocarek T, Rosenspire A, Roth L, Ruden D, Stemmer P)

Center for urban responses to environmental stressors (CURES)

1P30ES020957-01

NIEHS

Priority Score: 48.

04/01/12 – 03/31/16

\$3,243,530

The goal of the proposal was to expand current WSU IEHS' research, community-outreach, and graduate education. The focus of the proposal was to enhance the scientific understanding of health effects from complex urban environmental exposures. I am also serving as the Deputy Director of the Institute

MPI: B Arnetz, H Jamil (4.20 calendar)

Hookah-A new adolescent gateway drug and its trajectory to risky behavior.

(1R01HD067544-01)

Priority Score: 59 (percentile 49.0)

11-15
\$2,363,817

PI-contact: Arnetz BB (Team members: Basu A, Arnetz J, Pole N, Luborsky M, Blessman J, Shi W, Arble W, Lynch A, Harris C)

BAA-10-18. First responder resiliency – identification and application of malleable factors
10/01/10 – 09/30/12 (2nd year optional)

\$336,994

[Application was approved for funding, but funds were withdrawn awaiting the outcome of major overview of DHS research portfolio and future strategic target areas.]

PI: B Arnetz (FTE 0.35)

Mental health of Iraqi refugees: Individual, social and international influences.
(R01MH085793-1)

Priority Score: 241; re-submitted in March 2009 (rescored at 30; see below)

09-14

\$2,582,683

PI: B Arnetz (0.35)

Mental health of Iraqi refugees: importance of post-displacement social stressors and institutional resources.
(R01MH085793-1)

Priority Score: 30; re-submitted in November 2009

09-14

\$2,582,683

PI: B Arnetz (FTE 0.35)

Imagery-based trauma-resiliency training. Implication for police mental health.
(R01MH083467-01A1).

Priority Score 243. (Subsequently funded; see above)

09-13

\$1,706,936

PI: B Arnetz (FTE 0.20)

Imagery-based trauma-resiliency training. Implication for police mental health
(1R01 MH083467-1)

Priority Score: 251

08-12

\$1,385,657

Co-PIs: T Lucas T, B Arnetz (FTE 0.03)

Perceived fairness and stress reactivity: Experimental examination of person by situation interactions
(1R21HL097191-01)

Priority Score: 177

09-11

\$100,000

PI: B Arnetz (FTE 0.50)

The Michigan center for a healthier and safer workforce (1U19OH008867-01)

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Priority Score: 227

06-10

\$6,878,647

PI: B Arnetz (FTE 0.10)

Evaluation of an intervention for reduction of worker-on-worker violence (1R01OH009067-01). Priority Score: 267

06-10

\$1,496,456

Previously Submitted, Non-Scored Grants and Contracts

PI: B Arnetz

Michigan Partnership for Decreasing Environmental Shortness of Breath and Asthma Triggers in Vulnerable Residents

NIEHS/NIH

07/01/18 - 06/30/23

USD: \$2,374,134.78 (Direct), \$1,305,774.43 (Indirect)

Co-I: B. Arnetz (FTE 13.71% / 1.65 Person-month) PI: E. Arble

SCH: INT: RUI: Collaborative Research: Technology-Enabled Assessment of Alcohol Use Precipitants among Police Officers

NSF

04/01/19 – 03/31/22

\$399,800

PI: M. Morishita

Co-Is: B Arnetz (MSU), L Keilman (MSU), A Baptist (UofM), C Spino (UofM)

A Respiratory Health Intervention for Low-Income Elderly in Urban Communities

GRANTID12255821

NEIHS

07/01/17 – 06/30/22

USD: \$1,712,415 (Direct), \$735,650 (Indirect), \$2,448,055 (Total)

Co-I: B. Arnetz (FTE 0.48) (PI; Olamu, A).

PI: B. Arnetz

Co-Is: JE Arnetz, SE Counts, EP Arble, GC Hembroff, MA Lumley, S Ghosh, JE Blessman

Enhancing Safety, Health, and Professionalism in Law Enforcement Officers during Stress (NIJ-2017-12040; Category 1)

GRANTID (Pending)

NIJ-DOJ

1/1/18-6/30/20

USD: \$897,640 (Direct), \$311,679 (Indirect), \$1,209,319 (Total)

PI: B Arnetz

Epigenetic Pathways Contributing to Decreased Biopsychosocial Stress: Resilience and Increased Mental Health Symptoms in Individuals in Disadvantaged Neighborhoods

GRANTIDRMD011706A

NIMHHD

07/01/17 – 06/30/22

USD: \$2,733,563 (Direct), \$862,909 (Indirect), \$3,596,472 (Total)

Site PI: B Arnetz

Improving Respiratory Health for Low-Income Elderly in Urban Communities

Grant ID:

07/01/16 – 06/30/21

USD: \$108,528, (Direct), \$59,691 (Indirect), \$168,219 (Total)

PI: B. Arnetz (FTE 0.20; 2.40 calendar months)

Community-engaged Intervention for Decreasing Asthma Triggers in Vulnerable Older Persons (the DAT study).

ES029546

NIH/NIEHS

06/30/2014-07/01/2019

\$3,577,885.05 (Total Direct Cost, 2,345,775.36; Total Indirect Cost, 1,232,109.69)

The goal of this randomized clinical trial is to determine the efficacy of a community engaged and data-informed personalized environmental intervention project in older adults with asthma in 3 different geographic areas of Michigan.

Co-I: B. Arnetz (PI: O. Merkel, Co-Is: P. Mahajan, A. Dombkowski, J. Harkema, M. Morishito)

Asthma risk factors and mechanisms: Translational studies in mice and children focusing on air pollutants, genetic and epigenetic mechanism and healthcare utilization pattern.

CURES MRGIP Grant

01/01/14 – 12/31/16

\$ 150,000

In this transdisciplinary and translational study we proposed to study the effects of air pollutants on genetic and epigenetic functions, immune systems in “asthma prone” mice and children diagnosed with asthma. We would furthermore use geographic mapping to determine the association between residential areas and visit to DMC pediatric emergency department for asthma exacerbation in high-utilizer of such services.

PI: B Arnetz (FTE 0.05)

Cognitive load and physiological stress: Implications for patient’s safety (1R03HS017562-01)

07-09

\$100,000

PI: B Arnetz (FTE 0.10)

Mobile phone use: Effects on human cognitive and biological functions: what do we know about the mechanisms? (1R13ES016730-01)

08

\$39,330

PI: B Arnetz.

Health call: Using Smart phone technologies to improve chronic disease self-management

Microsoft Research Foundation

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

08-09

PI: B Arnetz (FTE 0.30)

Urban stressors and health disparities: Development of field deployable tools (1U01DA023819-01) (This project was subsequently revised and scored at the 10th percentile and funded by FAS, see above)

07-11

\$1,770,778

2008-2010 AHRQ

PI: J Arnetz, Co-I. B Arnetz (FTE 0.05) \$99,836

PAR-06-448: AHRQ Small Research Grant Program (R03)

Hospital practice environment and physician stress: implications for patient involvement in myocardial infarction care

\$99,836

Co-PIs: B Arnetz, T Lucas

Perceived fairness and stress reactivity: An experimental examination of person exposed to unfairness and cardiovascular reactions, including stress and inflammatory risk factors

(R03HL094788-01)

08-10

\$100,000

PI: N Artinian

Co-Invest.: B Arnetz (FTE 0.05)

Nurse-managed BP tele monitoring with African Americans

(R01NR007682-05)

08-12

\$1,898,741

Co-I: B Arnetz. (C-Z XU PI; J Sawasky Co-I; W Shi, co-I; T Butler Co-I; P Gossman Co-I; S Jiang Co-I; S Mahmud Co-I; P Savolainen Co-I; C Wang Co-I; LY Wang Co-I; H Zhang Co-I).

Center for Sustainable Computing and Cyber-Physical Applications (SCOPE)

Letter of intent - WSU Multidisciplinary Research Group Incubator

2011-12

\$888,000

PI-contact: Arnetz P, Jamil H (MPI) (J. Arnetz Co-I, J. Janisse Co-I, T. Mayers Co-I, A. Hammad Co-I).

Determinants of hookah use and peer use dispersion among youth in underserved

Communities: A pilot study.

1R21HD069972-01

NIH/NICHHD

06/01/11 – 05/30/13

\$275,000

PI: B. Arnetz and J. Arnetz (Co-I: A Basu, P Levy, C Reddy, W Shi, C. Reddy, Xu Y)

Achieving Patient-Centeredness through Non-Invasive Wireless Monitoring.

PCORI (Patient-Centered Outcomes Research Institute)

07/01/12 – 06/30/12

\$246,960

Co-I: Arnetz B. (PI: Shi W)

SHB: System support for long-term privacy-preserving chronic illness monitoring.

NSF

08/01/11 – 07/31/14

\$495,562

Co-I: B Arnetz (FTE 0.08; 0.96 calendar) (PI: Lucas)

Perceived fairness and biological stress reactivity.

1R21HL097191-01A1

NIH/NHLBI

08/15/10 – 04/30/13

\$418,000

The goal of this project was to enhance our understanding of biological mechanisms linking social disparities to cardiovascular disease.

Patents

1998: Founder of Springlife AB, a Sweden-based health and productivity improvement company which products and services are based on my research-based algorithms and evidence-based translational implementation processes. I am Member of the Board. Company has 8 employees and approximately 6 consultants. Customers include private and public sectors, including universities and community agencies. Annual sales of approximately \$2,100,000

PUBLICATIONS

Original Observations in Refereed Journals

Arnetz, BB, Arnetz J, Harkema J, Morishita M, Slonager K, Sudan S, Jamil H: Neighborhood Air pollution and household environmental health as it relates to respiratory health and healthcare utilization among elderly persons with asthma. *Journal of Asthma*. 2020;57(1):28-39. Epub 2019 Feb 27:1-12. Doi: 10.1080/02770903.2018.1545856.

Arnetz J, Sudan S, Goetz C, Counts S, Beck J, Arnetz B. Response to Letter to the Editor “Biomarkers Determination of the Nurse in Various Work Environments”. Letter to the Editor. *JOEM*. 2019;61(12), e535. DOI: 10.1097/JOM.0000000000001748.

Arble EP, Arnetz BB. Evidence-based practices to enhance first responder well-being and performance. In: CA Bowers, DC Beidel, MR, Marks (Eds) *Mental Health Intervention and Treatment of First Responders and Emergency workers*. A volume in the *Advances in Psychology, Mental Health, and Behavioral Studies (APMHBS) Book series*. IGI Global, Hershey, PA, USA. 2019. Chapter 12, pp 205 – 228.

ISSN: 2475-6660; eISSN: 2475-6679

Arnetz J, Sudan S, Goetz, C, Arnetz B, Gowland L, Manji S, and Ghosh S. Preliminary development of a questionnaire measuring patient views of participation in clinical trials. *BMC Res Notes* (2019) 12:667 <https://doi.org/10.1186/s13104-019-4724-z>

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

- Arnetz J, Arnetz BB, Counts S, Goetz C, Sudan S: Nurse work environment and stress biomarkers: possible implications for patient outcomes, *Journal Occup Environ Med*. 2019 Aug; 61(8): 676-681. Doi: 10.1097/JOM.0000000000001642.
- Arnetz J, Arnetz BB, Neufcourt L, Maiti T, Sudan S, Viens F: Nurse-reported bullying and documented adverse patient events: An exploratory study in a U.S. hospital. *Journal of Nursing Care Quality*. 2019 Jul 26. JNCQ-D-19-00134. Accepted.
- Sudan S, Lewalski P, Arnetz J, Vanschagen J, Arnetz B. The association between attendings' feedback and residents' reporting of near-misses. *BMC Res Notes* (in press). DOI: 10.1186/s13104-019-4395-9. <https://doi.org/10.1186/s13104-019-4395-9>
- Arble E, Daugherty A, Arnetz B: Differential Effects of Physiological Arousal following Acute Stress on Police Officer Performance in a Simulated Critical Incident, *Frontiers in Psychology*, 2019 Apr 9;10:759. Doi: 10.3389/fpsyg.2019.00759. eCollection 2019.
- Arnetz J, Sudan S, Fitzpatrick L, Cotten S, Jodoin C, Chang Chu-Hsiang, Arnetz B. Organizational determinants of bullying and work disengagement among hospital nurses. 6th International Conference on Violence in the Health Sector. Toronto, Canada. *Journal of Advanced Nursing*. 2019 Jun;75(6): 1229-1238. Doi:10.1111/jan.13915. Epub 2019 Jan 10.
- Arnetz, BB, Arble, E, Daugherty, A: Models of First Responder Coping: Police Officers as a Unique Population. *Stress and Health*. 2018 June 08. Doi: 10.1002/smi.2821
- Ramji R, Nilsson M, Arnetz BB, Wiklund Y, Arnetz J. Taking a stand: an untapped strategy to reduce waterpipe smoking in adolescents. *Substance Use and Misuse*. 2019;54(3):514-524. Doi 10.1080/10826084.2018.1521429. Epub 2019 Jan 26.
- Ramji R, Nilsson M, Arnetz B, Wiklund Y, Arnetz J. Taking a stand: An untapped strategy to reduce waterpipe smoking in adolescents. *Substance Use & Misuse* 2019;54(3):514-524.
- Arble E, Arnetz BB. Sleep Inflammation and Telomere Length. (Abstract Poster) <http://www.sleepmeeting.org/> 32nd Annual Associated Professional Sleep Societies' Meeting. Baltimore, MD, June 2-6, 2018
- Arble E, Daugherty A, Arnetz BB. Models of First Responder Coping: Police Officers as a Unique Population. *Stress and Health*. Accepted, 2018. Doi: 10.1002/smi.2821.
- Arnetz J, Hamblin LW, Sudan S, Arnetz BB. Organizational Determinants of Workplace Violence Against Hospital Workers. *Journal Occup Environ Med*. 2018 Apr 17. doi: 10.1097/JOM.0000000000001345.
- Hengstebeck E, Roskos S, Breejen K, Arnetz BB, Arnetz JE. Chronic pain disrupts ability to work by interfering with social function: a cross-sectional study. *Scandinavian Journal of Pain*. 2017 Oct;17:397-402. doi: 10.1016/j.sjpain.2017.09.021. Epub 2017 Oct 27.
- Arnetz BB, Arnetz JE, Anthony P, Breejen K, Przyklenk K. Examining self-reported and biological stress and near-misses among emergency medicine residents: A single-center cross-sectional Assessment in the

USA. *BMJ Open*, 2017;7(8):e016479 doi:10.1136/bmjopen-2017-016479; PMID 28814584.
[Http://bmjopen.bmj.com](http://bmjopen.bmj.com), August.

Dhalimi A, Wright AM, Yamin J, Jamil H, Arnetz BB. (2017). Perception of discrimination in employment and health in refugees and immigrants. *Stigma and Health*, doi: /10.1037/sah0000068

Keaton S, Krzyzanowski S, Arnetz JE, Jamil H, Dhalimi A, Stemmer P, Ruden D, Yamin J, Arnetz BB, Brundin L. (Abstract) IL-10 is associated with increased energy in newly arrived traumatized Middle Eastern refugees in the US. *Biological Psychiatry*, 2017, May; 81(S140-S276): S191.

Jen K-L C, Jamil H, Zhou K, Breejen K, Arnetz BB. Erratum to: Sex differences and predictors of changes in body weight and noncommunicable diseases in a random, newly-arrived group of refugees followed for two years. *Journal of Immigrant and Minority Health*, 2017 April 21 Epub ahead of print PMID: 28342502.

Arble E, Lumley MA, Pole N, Blessman J, Arnetz BB. Refinement and preliminary testing of an imagery-based program to improve coping and performance and prevent trauma among urban police officers. *Journal of Police and Criminal Psychology*, Epub 2017 Mar; 32(1):1-10.

Jen K-L C, Jamil H, Zhou K, Breejen K, Arnetz BB. Sex differences and predictors of changes in body weight and noncommunicable diseases in a random, newly-arrived group of refugees followed for two years. *Journal of Immigrant and Minority Health*, 2017 Mar 25 Epub ahead of print PMID: 28343246.

LeMaster JW, Broadbridge CL, Lumley MA, Arnetz JE, Arkfen C, Fetters D, Jamil HJ, Pole N, Arnetz BB. Acculturation and post-migration psychological symptoms among Iraqi refugees: A path analysis. *American Journal of Orthopsychiatry*, 2017, Mar 2 Epub ahead of print PMID: 28253013

Wright MA, Talia YR, Aldhalimi A, Broadbridge CL, Jamil H, Lumley MA, Pole N, Arnetz BB, Arnetz JE. Kidnapping and mental health in Iraqi refugees: The role of resilience. *Journal of Immigrant and Minority Health*, 2017, Feb; 19(1):98-107 PMID: 26781328.

Arnetz JE, Zhdanova L, Arnetz BB. Patient involvement: A new source of stress in health care work? *Health Communication*, 2016 Dec; 31(12):1566-72, Epub 2016 April 7 PMID: 27054396.
<http://www.tandfonline.com/loi/hhth20>.

Arble E, Arnetz BB. A model of first-responder coping: An approach/avoidance bifurcation. *Stress Health*, 2016 Aug 8, Epub ahead of print, PMID 27500991

Wright AM, Dhalimi A, Lumley MA, Jamil H, Pole N, Arnetz JE, Arnetz BB. Unemployment in Iraqi refugees: The interaction of pre- and post-displacement trauma. *Scandinavian Journal of Psychology*, 2016, Dec; 57(6):564-570 Epub 2016 Aug 18. PMID 27535348.

Jamil HJ, Fakhoury M, Yamin JB, Arnetz JE, Arnetz BB. Determinants of employment among well-educated refugees before and after the 2007 US economic recession. *Lett Health Biol Sci* 2016; 1(1). Pii: <http://www.ommeganonline.org/article-details/Determinants-of-Employment-Among-Well-Educated-Refugees-Before-and-After-the-2007-U-S-Economic-Recession/872>. Epub 2016 Jun 16 PMID 27990500.

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Andersen JP, Dorai M, Papazoglou K, Arnetz BB. Diurnal and reactivity measures of cortisol in response to intensive resilience and tactical training among special forces police. *Journal of Occupational and Environmental Medicine*, 2016, Jul; 58(7):e242-248 PMID 27218280.

Aldhalimi A, Yamin J, Ruden D, Sen A, Arnetz BB. (273) PTSD moderating the association between rheumatoid arthritis and DNA methylation of IL-6. *J Pain*, 2016 Apr ;(4S):S44 Epub 2016 Mar 24 PMID 28162507.

Jamil HJ, Yasso F, Dafdony I, Lami F, Arnetz BB. Depression and treatment adherence among Iraqi immigrants who immigrated to United State. *TOFIQ Journal of Medical Sciences, TJMS*, 2016; 3(1):47-63.

Jamil H, Arnetz JE, Ager J, Lumley MA, Pole N, Arnetz BB. A cohort study of chronic diseases in a random sample of newly arrived refugees to Southeast Michigan, US. *General Internal Medicine and Clinical Innovations*, 2016; 1(2):32-37.

Andersen JP, Papazoglou K, Gustafsberg H, Collins P, & Arnetz B. Mental preparedness training. *FBI Law Enforcement Bulletin*, March 2016. Open Access: doi: <https://leb.fbi.gov/2016/march/mental-preparedness-training>

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Ramji R, Arnetz JE, Nilsson M, Jamil H, Norström F, Maziak M, Wiklund Y, Arnetz BB. Determinants of waterpipe use amongst adolescents in Northern Sweden: A survey of use pattern, risk perception and environmental factors. *BMC Research Notes*, 2015; 15(8):441.

Anderson JP, Papazoglou K, Arnetz BB, Collins PI. Mental preparedness as a pathway to police resilience and optimal functioning in the line of duty. *International Journal of Emergency Mental Health and Human Resilience*, 2015;17(3):624-627, ISSN 1522-4821.

Jen KLC, Zhou K, Arnetz BB, Jamil H. Pre- and post-displacement stressors and body weight development in Iraqi refugees in Michigan. *Journal of Immigrant and Minority Health*, 2015 Oct; 17(5):1468-475, ISSN 1557 1912

Wright AM, Aldhalimi A, Lumley MA, Jamil H, Pole N, Arnetz JE, Arnetz BB. Determinants of resource needs and utilization among refugees over time. *Soc Psychiatry Psychiatr Epidemiol* 2016 Apr;51(4):539-40 Epub 2015 Sept 14 26370213.

Andersen JP, Papazoglou K, Koskelainen M, Nyman M, Gustafsberg H, Arnetz BB. Applying resilience promotion training among special forces police officers. *SAGE open*, 2015;5(2) doi: 10.1177/2158244015590446. 2015(April-June)1-8 PMID 25077429.

Aldhalimi A, Sen A, Wright MA, Arnetz, JE., Hill, E., Hikmet J, Ghosh S, Stemmer PM, Park SK, Morishita M, Ruden D, Arnetz BB. (2015). Lead enhances the effect of trauma on HPA axis-associated gene expression. *Psychosomatic Medicine*, 77(3).

Elsouhag D, Arnetz B, Jamil H, Lumley MA, Broadbridge CL, Arnetz J. Factors associated with healthcare utilization among Arab immigrants and Iraqi refugees. *Journal of Immigrant and Minority Health*, 2015 Oct;17(5):1305-12. doi: 10.1007/s10903-014-0119-3. PubMed PMID: 25331684.

Jen KL, Zhou K, Arnetz B, Jamil H. Pre- and Post-displacement stressors and body weight development in Iraqi refugees in Michigan. *Journal of Immigrant and Minority Health*, 2015 Oct;17(5):1468-75. doi: 10.1007/s10903-014-0127-3. PubMed PMID: 25376128.

Lumley MA, Shi W, Wiholm C, Slatcher RB, Sandmark H, Wang S, Hytter A, Arnetz BB. The relationship of chronic and momentary work stress to cardiac reactivity in female managers: Feasibility of a smart phone-assisted assessment system. *Psychosomatic medicine*. 2014 Sep;76(7):512-8. doi: 10.1097/PSY.000000000000085. PubMed PMID: 25077429.

Jamil HJ, Rajan AK, Grzybowski M, Fakhouri M, Arnetz B. Obesity and overweight in ethnic minorities of the Detroit metropolitan area of Michigan. *Journal of community health*. 2014;39(2):301-9. doi: 10.1007/s10900-013-9760-3. PubMed PMID: 23990337.

Jamil H, Geeso SG, Arnetz BB, Arnetz JE. Risk factors for hookah smoking among arabs and chaldeans. *Journal of immigrant and minority health / Center for Minority Public Health*. 2014;16(3):501-7. doi: 10.1007/s10903-013-9772-1. PubMed PMID: 23579963.

Hijazi AM, Lumley MA, Ziadni MS, Haddad L, Rapport LJ, Arnetz BB. Brief narrative exposure therapy for posttraumatic stress in Iraqi refugees: a preliminary randomized clinical trial. *Journal of traumatic stress*. 2014 Jun;27(3):314-22. doi: 10.1002/jts.21922. Epub 2014 May 27 PMID: 24866253; PMCID: 4080404. NIHMSID: NIHMS595425.

Arnetz BB, Broadbridge CL, Jamil H, Lumley MA, Pole N, Barkho E, Fakhouri M, Talia YR, Arnetz JE. Specific trauma subtypes improve the predictive validity of the Harvard Trauma Questionnaire in Iraqi refugees. *Journal of Immigrant and Minority Health / Center for Minority Public Health*. 2014;16(6):1055-61. doi: 10.1007/s10903-014-9995-9. PubMed PMID: 24549491; PMCID: 4138298.

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Book Chapters

Arnetz BB, Ventimiglia M. Measurement of immune system. In, Sinclair RS, Wang M, Tetrick LE (Eds.), *Research Methods in Occupational Health Psychology*. Routledge, Taylor & Francis Group, New York, 2013, - pp 3 – 18.

Ekman R, Arnetz BB, Wahlstedt C. Stress, genes and epigenetics. The effects on brain functions. In, Arnetz B, Ekman R (Eds.), *Stress. Gene, Individual, Society*. Liber, Stockholm, 2013. ISBN: 978-91-47-10541-0. Pp 71 – 96.

Arnetz BB. Health, stress and efficiency – A leadership perspective. In, Arnetz B, Ekman R (Eds.), *Stress. Gene, Individual, Society*. Liber, Stockholm, 2013. ISBN: 978-91-47-10541-0. Pp 273 - 286.

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Arnetz BB. Stress – why managers should care. In, Arnetz BB, Ekman R (Eds.), *Stress in Health and Disease*. Wiley-VCH, Weinheim, 2006, pp 91-121. ISBN-13 978-3-527-31221-4.

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Review Articles

Arnetz B. Model development and research vision for the future of multiple chemical sensitivity. *Scandinavian Journal of Work Environment and Health* 1999;25 (no. 6, special issue):569-573.

Arnetz B. Causes of change in the health of populations: A biopsychosocial viewpoint. *Social Science and Medicine* 1996; 43:605-608.

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Letter to the Editor

Arnetz, Bengt MD, PhD, MScEpi; Arnetz, Judith PhD, MPH, PT; Sudan, Sukhesh MPH; Goetz, Courtney BA; Counts, Scott E. PhD; Beck, John BS. Response to Letter to the Editor “Biomarkers determination of the nurse in various work environments” *Journal of Occupational and Environmental Medicine*: October 22, 2019 - Volume Publish Ahead of Print - Issue - p doi: 10.1097/JOM.0000000000001748

Arnetz BB, Wiholm C, Kuster N, Hillert L, Moffat SD. Exploring exposure to mobile-phone electromagnetic fields and psychophysiological and self-rated symptoms. *Psychosomatic Med.* 2009; 71 (1):115; author reply 115-116. Epub 2009 Jan 5.

Arnetz BB, Fjellner, B. Stress responsiveness in patients with psoriasis. *Br J Dermatol.* 2007; 156:388

INVITED LECTURERS/PRESENTATIONS/CHAIRMANSHIPS/SCIENTIFIC COMMITTEES (selected from 2008 and forward)

Invited Chairmanships at international/national meetings (selected from 2015 and forward)

Chair the Scientific Committee: International Conference on Syrian Refugee Health. October 14-19, 2019, Gaziantep University, Turkey.

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Panel Session 4: Urban Violence. 27th International Police Executive Symposium (IPES) Annual Meeting, August 8 – 10, 2016, Washington, DC.

Session (F.6.8): Stress and resilience in police officers and social workers. May 8 at the APA/NIOSH 2015 International Work, Stress and Health Conference, May 6 – 9, 2015, Atlanta, GA.

Session: Tobacco and Occupational Health, March 02 at the 7th International Conference on Health Issues in Arab Communities, Muscat, the Sultanate of Oman, March 1 – 7, 2015.

Session: Mental Health: March 02 at the 7th International Conference on Health Issues in Arab Communities, Muscat, The Sultanate of Oman, March 1 – 7, 2015

Member of Scientific Committees for international/national meetings (selected from 2014 and forward)

Member of the Scientific Planning Committee for the 7th International Conference on Health Issues in Arab Communities, Muscat, the Sultanate of Oman, March 1 – 7, 2015.

Member of the International Scientific Planning Committee for the APA/NIOSH 2015 International Work, Stress and Health Conference, May 6 – 9, 2015, Atlanta, GA.

Invited/refereed presentations at international/national meetings (selected from 2010 and forward)

Sudan S, Dhalimi A, Arnetz J, Yamin JB, Lumley MA, Stemmer PM, Burghardt P, Jamil H, Arnetz BB. Pain, post-traumatic stress disorder and depression in trauma-exposed refugees: The possible prognostic role of C-Reactive Protein. Poster, 78th Annual Scientific Meeting of the American Psychosomatic Society, Long Beach, CA, March 11-14, 2020.

Goetz C, Sudan S, Arnetz J, vanSchagen J, Baer W, Hoppough S, Arnetz B. The role of transdisciplinary healthcare teams and tollgates in quality improvement processes. Poster presented at the 10th Annual International Science of Team Science Conference; Lansing, MI; 2019 May 22.

Arnetz J, Sudan S, Fitzpatrick L, Cotten S, Jodoin C, Chang Chu-Hsiang, Arnetz B. Organizational determinants of bullying and work disengagement among hospital nurses. 6th International Conference on Violence in the Health Sector, October 24-26, 2018, Toronto, Canada

Arnetz B, Arnetz J, Morishita M, Jamil H. Air pollution, pulmonary function and healthcare utilization in socioeconomically challenged older adults with asthma. Primary Care in the Future: Professional Excellence. 22nd World Organization of Family Doctors (WONCA) World Conference, October 17-21, Seoul, Korea.

Arnetz B, Arnetz J, Polverento M. Electronic health records, organizational characteristics and provider well-being. Primary Care in the Future: Professional Excellence. 22nd WONCA World Conference, October 17-21, Seoul, Korea.

McLellan R, Taylor M, Saito K, Arnetz B. The Role of Occupational Medicine in Preventing and Mitigating Physician Burnout, American Occupational Health Conference AOHC, New Orleans, LA, April 29-May 2, 2018

Arnetz B, Arnetz B, Society for Industrial and Organizational Psychology SIOP, Chicago, IL April 19-21, 2018

Arnetz BB, Lewlaski P, Arnetz JE, Przyklenk K. Physician Stress and Adverse Medical Outcomes: Do Stress and Biological Mechanisms Impact Patient Safety? 3rd International Meeting on Well-Being and Performance in Clinical Practice, Pieria, Greece, May, 2018.

Arnetz BB, Harkema JR, Morishita M, Slonager K, Krouse HJ, Mahajan P, Jamil JH. Two Year Follow-up with Asthmatic Vulnerable Population on Seasonal Variations of Asthma Attack at Dearborn, MI, USA. 11th International Conference on Allergy, Asthma & Clinical Immunology, Edinburgh, Scotland, September, 2017.

van de Ridder JMM, Arnetz JE, Breejen K, Lewalski P, Przyklenk K, Arnetz BB. An Exploration of the Relationship between Learner's Stress, Perceived Stress and Perceptions of Autonomy, Feedback, Goals and Relationship with Supervisor in the Clinical Setting, Central Group of Educational Affairs Conference (AAMC), Chicago, IL, March, 2017

Arnetz BB, Yamin JB, Jamil HJ, Arnetz JE, Land SJ, Gurdziel K, Aldhalimi A, Ruden D. Trauma-associated MECP2 Gene Methylation in Refugees: Implication for HPA-axis Regulation. Mobilizing Technology to Advance Bio-behavioral Science & Health 75th Annual Scientific Meeting of the American Psychosomatic Society. Sevilla, Spain, March, 2017.

Breejen K, Jamil HJ, Lumley M, Arnetz BB, Arnetz JE. (Poster) Chronic Disease in Iraqi Refugees: The Impact of Exposure to Pre and Post-Displacement Stressors. American Public Health Association (APHA), Denver, CO, November 2016

Jen-K-LKC, Jamil H, Zhou K, Templin T, Breejen K, Arnetz BB. Unemployment and other Socioeconomic Strains Adversely Impact Body Weight and Chronic Disease Incidence in Iraqi Refugees, Annual Scientific and Educational Conference for Obesity Science & Healthcare Professionals, New Orleans, LO, November 2, 2016.

Jamil HJ, Niazy A, Jamil MH, Arnetz BB. (Poster) Prevalence and Correlates of Substance abuse amongst Middle Eastern Population of Detroit, Michigan. The 5th Annual Family Medicine Midwest Conference, Indianapolis, IN, October 2016.

Jamil HJ, Arnetz BB, Harkema JR, Morishita M, Slonager K, Krouse JH, Mahajan P. (Keynote) The Impact of Air Pollution on Asthmatic Vulnerable Populations of Arab Americans in Detroit, Michigan, US. 7th International Conference on Allergy, Asthma and Clinical Immunology, Amsterdam, Netherlands, September 14, 2016.

Arnetz BB, Harkema JR, Morishita M, Slonager K, Krouse HJ, Mahajan P, Jamil H. The Impact of Air Pollution on Asthmatic Vulnerable Populations of Arab Americans in Detroit, MI, USA, 7th International Conference on Allergy, Asthma and Clinical Immunology, September, 14-15th, 2016, Amsterdam, Netherlands.

Breejen K, Jamil H, Lumley M, Arnetz BB, Arnetz JE. (Poster) Chronic Disease in Iraqi Refugees: The Impact of Exposure to Pre and Post-displacement Stressors. American Public Health Association (APHA) Annual Meeting, Denver, CO, November 2016.

Arnetz BB, Lewalski P, Arnetz JE, Przyklenk K. Work Enjoyment in Emergency Medicine Residents: Association with Organizational Climate and Near Misses in Patient Care. International Conference on Physician Health, in collaboration with the American Medical Association (AMA), Canadian Medical Association (CMA) and the British Medical Association (BMA), Boston, MA, September 2016.

Curriculum Vitae

Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

Andersen, J.P., Papazoglou, K., Weerasinghe, A., Pitel, M., Daoust, A., Stuewe, N., Adjei, P., & Arnetz, B.B. Examining the Role of Stress Physiology in Predicting Police Performance in Critical Situations. Paper Presentation at the 2016 Conference of the American Psychological Association, Denver, CO, August 2016.

Arnetz BB. Combined Impact of Public Opinion and Urban Violence on Police Stress Load and Performance. International Police Executive Symposium – IPES, 27th Annual Meeting, Washington, DC, August 2016.

Jamil H, Radwan M, Arnetz BB. Depression and Substance Abuse among Refugees and Immigrants of USA. 2nd International Conference on Mental Health & Human Resilience, Cologne, Germany, July 14, 2016.

Aldhalimi A, Yamin J, Ruden D, Sen A, Arnetz BB. (Poster) PTSD Moderating the Association between Rheumatoid Arthritis and DNA Methylation of IL-6. American Pain Society Annual Scientific Meeting, Austin, TX, May, 2016.

Yamin, J, Arnetz BB, Arnetz JE, Jamil H. (Poster). Examining the Relationship between C-Reactive Protein and PTSD Symptom Clusters. American Psychosomatic Society Annual Meeting, Denver, CO, March 2016.

Andersen, JP, Papazoglou, K, Dorai, M, Murtuza, H, Alikhan, U, & Arnetz, BB. *Examining the Impact of Intensive Resilience-Tactical Training on Cortisol Patterns among Special Forces Police Officers*. Paper Presentation at the 2016 Annual Meeting of the Academy of Criminal Justice Sciences, Denver, CO, March, 2016.

Jen, K-L.C, Arnetz, BB, Jamil, H, Zhou, K. Middle Eastern Refugees are at High Risk of Developing Obesity and Chronic Disease in the U.S. Abstract number 10259. The Obesity Society (TOS) Annual Conference, Los Angeles, CA, November, 2015.

Anderson JP, Papazoglou K, Koskelainen M, Nyman M, Gustafsberg H, Arnetz BB. Applying Resilience Promotion Training among SWAT officers. ISTSS, November, 2015, New Orleans, LA.

Arfken, C, Broadbridge, M, Arnetz, BB, Arnetz, J, Lumley, M, Jamil, H, Pole, N. Incident alcohol use among adult Arab refugees and immigrants. Abstract number 2172830. Annual meeting of the College on Problems of Drug Dependence, Phoenix Arizona, June 2015

Aldhalimi, A, Sen, A, Wright, AM, Arnetz, J, Hill, E, Jami, H, Ghosh, S, Stemmer, PM, Park, PM, Morishita, M, Ruden, D, & Arnetz, BB. Lead Enhances the Effect of Trauma on HPA Axis-Associated Gene Expression. American Psychosomatic Society Conference: 73rd Annual Scientific Meeting, Savannah, GA, March, 2015.

Arnetz, BB, Harkema JR, Wright, M, Jamil, H, Lumley, M, Pole, N, Arnetz, J. Mental Health among Iraqi Refugees Displaced to the United States: Importance of Post-displacement Social Stressors and Institutional Resources. Paper presented at the 7th International Conference on Health Issues in Arab Communities, Muscat, The Sultanate of Oman, March 1 – 7, 2015

Arnetz, BB, Harkema, JR, Morishita, M, Jamil, H, Slonager, K, Hammad, A. Impact of Air Pollution on Asthma in Arab Americans. Paper presented at the 7th International Conference on Health Issues in Arab Communities, Muscat, The Sultanate of Oman, March 1 – 7, 2015

Arfken, CL, Arnetz, BB, Broadbridge, C, Lumley, M, Arnetz, J, Pole, n, Jamil, H. Incident alcohol use among adult Arab refugees and immigrants. College of Drug Dependence (CPDD), Phoenix, AZ (June, 2015)

Arnetz, BB, Arnetz, J, Lewalski, P, Przyklenk, J. Stress in emergency residents and implications for physician health and patient care. *Work, Stress and Health*, 2015. May 6 – 9, 2015, Atlanta, Georgia, US

Environmental Impact of Air Pollution on Asthma in Arab Americans in Urban Detroit. Michigan Society of Toxicology, University of Michigan, Ann Arbor, MI, October 24, 2014

Arnetz, BB, Arble E. First responder stress and resilience: Generalizability vs specificity across different first responder groups. International society for Traumatic Stress Studies (ISTSS) 29th Annual Meeting, Abstract #884, November 7 – 9, 2013, Philadelphia, PA.

Arnetz BB, Arble E. First responder stress, resilience, and performance: A national study across first responder groups. *Work, Stress & Health* conference, May 16-17, 2013, Los Angeles, CA.

2013: Arnetz BB, Broadbridge C. Determinants of energy in knowledge workers: Cross-sectional and prospective assessments. *Work, Stress & Health* conference, May 16-17, 2013, Los Angeles, CA.

2013: Hijazi A, Ziadni M, Arnetz BB, Haddad L, & Lumley M. (March, 2013). Narrative Exposure Therapy to treat traumatic stress in Middle Eastern refugees: A clinical trial. Presented at the annual meeting of the American Psychosomatic Society, Miami, Florida. Abstract published in *Psychosomatic Medicine*, 75, A-118.

Arnetz BB. Wireless assessment of stress and physiological reactions in the real world. Workshop presented at the 12th International Congress of Behavioral Medicine, Budapest, Hungary, August 29 – September 1

Arnetz BB, Drutchas A, Sokol R, Kruger M, Jamil H. Gulf War exposures and pregnancy outcomes: A retrospective study of Iraqi immigrants. Presented at the Annual Meeting of the Society of Maternal – Fetal Medicine, Dallas, TX, February 10, 2012. Also published in the *American Journal of Obstetrics and Gynecology*. 206:S261-S262.

Arnetz BB, Broadbridge CL, Arnetz JE, Jamil H. Predicting positive health outcomes in trauma-exposed refugees. Paper presented at the annual meeting and expo of the American Public Health Association, San Francisco, CA. October

Broadbridge CL, Jamil H, Arnetz JE, Ager J, Lumley MA, Pole N, Arnetz BB. Resilience reduces the effect of specific traumas on posttraumatic stress disorder in Iraqi refugees and Arab immigrants. Poster presented at the annual meeting of the International Society for Traumatic Stress Studies, Los Angeles, CA. November, 2012.

Broadbridge CL, Jamil H, Lumley MA, Pole N, Arnetz BB, Arnetz JE. Improving prediction of mental health outcomes in refugees using specific trauma domains. Poster presented at the annual convention of the Association for Psychological Science, Chicago, IL. May, 2012.

Arnetz BB, Templin T, Saudi W, Jamil H. Sleep apnea in refugees as compared to immigrants: A contributing factor to health disorders. APHA Annual Meeting, Washington, DC, October 29 – November 2, 2011

Lu D, Zhan G, Wang S, Wiholm, C, Arnetz BB. StressBar: A system for stress information collection. *Wireless Health* 2011. San Diego, CA. October 10 – 13, 2011

Arnetz BB, Templin T, Saudi W, Jamil H. Sleep apnea in refugees as compared to immigrants: A contributing

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factor to health disorders. APHA Annual Meeting, Washington, DC, October 29 – November 2, 2011

Lu D, Zhan G, Wang S, Wiholm, C, Arnetz BB. StressBar: A system for stress information collection. *Wireless Health 2011*. San Diego, CA. October 10 – 13, 2011

Invited and-or referred local/regional meetings (selected from 2009 and forward)

Ghandour M, Sudan S, Arnetz B. The role of Pro-inflammatory cytokines in war-associated anxiety, depression, and post-traumatic stress disorders. Poster presentation at the Michigan Chapter Meeting of the American College of Physicians; Grand Rapids, MI; 2019 Oct 10-13.

Goetz C, Arnetz J, Sudan S, Reyelts F, vanSchagen J, Piersma K, Arnetz B. What predicts joy in a family medicine clinic undergoing an intervention? Oral presentation at the 42nd Annual Michigan Family Medicine Research Day Conference; Howell, MI; May 23, 2019.

2019: Arnetz BB, Arnetz J, Lewalski P, Sudan S, vanSchagen J, Optimizing the Residents' Clinical Learning Environment to Promote Patient Safety. Central Group of Educational Affairs Conference, Grand Rapids, MI, March 28

2018: Arnetz, BB. Environmental and Healthcare Determinants of Respiratory Health in Elderly Adults with Asthma in SE Detroit, East Lansing, MI, November.

2018: Arnetz, BB. Forecasting Patient No-show and long-term Health Trajectory using Bayesian Analysis. MSU Symposium on mathematical Statistics and Applications, East Lansing, MI, September.

2018: Arnetz J, Sukhesh S, Arnetz B, Maiti T, Viens, F, Neufcourt L, Workplace Bullying among Nurses and Patient Outcomes- An Exploratory Bayesian Analysis. MSU Symposium on mathematical Statistics and Applications, East Lansing, MI, September.

2017: Polverento M, Breejen K, Arnetz JE, Arnetz BB. The Effect of Participatory Management, Work Climate, and HER Functionality on Practice Efficiency. 40th Annual Michigan Family Medicine Research Day Conference, Howell, MI, May.

2017: Jamil HJ, Arnetz BB. Mental Disorders and Drug-abuse among Iraqis (Chaldean and Arab-Muslim) in Michigan, 9th Annual Muslim Mental Health Conference, East Lansing, MI, April.

2016: Jamil H, Niazy A, Jamil MH, Arnetz BB. Prevalence and Correlates of Substance Abuse amongst Middle Eastern Population of Detroit, Michigan, The 5th Annual Family Medicine Midwest Conference, Indianapolis, IN, October 7-9.

2016: Papazoglou K, Andersen JP, Dorai M, Arnetz BB. *Examining the Impact of Intensive Resilience Tactical Training on Cortisol Patterns among Special Forces Police Officers*. Paper Presentation at the 2016 University of Toronto – Mississauga Campus Graduate Research Colloquium, Mississauga, ON, Canada, May.

2016: Jamil H, Arnetz JE, Lumley MA, Pole N, Arnetz BB. Two Years Follow up Mental Illnesses among Arab Immigrants in Southeast Michigan – 2010-2013. MSU, Department of Psychiatry, 8th Annual Muslim Mental Health Conference, Dearborn, MI, March 17 – 19

2015: Yamin, JB, Aldhalimi, A, Wright, AM, Arnetz, JE, Jamil, H, Arnetz, BB. PTSD Symptom Clusters as Better Predictors of CRP in Iraqi Refugees Residing in the United States. Poster presented at the Researchers of Biobehavioral Health in Urban Settings Today (RoBUST) Symposium, Detroit, MI, October 9.

2015: Arnetz BB. The Human Side of Information Technologies: Applying (almost) Real-time big Data to Promote Healthy Healthcare Organizations and Patient Behavior, ICHITA, Western Michigan University, October 30-31, 2015

2015: Wright AM, Aldhalimi A, Lumley M, Pole N, Jamil H, Arnetz JE, Arnetz BB. Different Symptom, Different Methods: The Effect of Data Collection Method on Mental Health Symptoms in Iraqi Refugees. Researchers of Bio-behavioral Health in Urban Settings Today (RoBUST). Fall Symposium, Wayne State University, Detroit, MI, October 9.

2009: Medically Unexplained Fatigue. Impact on Health, Productivity, and Management Strategies. Speaker at the Annual Carey Pratt McCord Lecture. Somerset, MI, October 21

2009: Wireless Technologies, 24/7 Lifestyle, and Workforce Health. Annual Scientific Meeting of The Michigan Organization for Occupational and Environmental Health. Battle Creek, MI, Sept 24

2009: Health in the City. The Detroit Neighborhood Health Study. Organized by the University of Michigan, Detroit, MI, December 3, 2011: Workforce Resilience. Invited to present data to special Committee on Workforce Resilience. Institute of Medicine, National Academy of Sciences, Washington, DC, December 9

Invited Seminars (selected from 2011 and forward)

2017: Faculty and Organizational Health: A Focus on Energy and Joy. 7th ADFM “Joy in Practice” webinar, July 26, 2017.

2014: Panelist, Workplace Violence Research Trends. McGregor memorial Conference Center, Wayne State University, Detroit, MI, January 17, 2014

2011: First Responder Stress: Epidemiology and Prevention. Biostatistics and Epidemiology Branch, Health Effects Laboratory Division, NIOSH, Morgantown, WVA

2010: Sustained Stress and Performance. Presentation to Deloitte’s Senior Leadership, Detroit, March 19

2010: Health Services Policy and Management Strategies for High Performance Care. Lecture at Arnold School of Public Health, November 30

2008: Physician Stress and Professional Development. Marshfield, WI, January 25. Residents and physicians at the Marshfield Clinic

Invited Seminars and Grand Rounds

Curriculum Vitae
Bengt B. Arnetz, M.D., Ph.D., M.P.H, M.Sc.Epi, FACOEM, CIME

12: Lectured to DMC/WSU Pulmonary Fellows, WSU, on Occupational Asthma

10: DMC Children's Hospital Grand Rounds.

Media

Lorine, John, One way Canada is tackling its police violence problem Washington Post, May 1, 2018.

Krupp, Lexi, America's Doctors Are Burned Out and We're Finally Taking IT Seriously, TONIC, March 20, 2018