Curriculum Vitae

CYNTHIA S. GADD, PhD, MBA, MS, FACMI

Office Address:
Vanderbilt University
Department of Biomedical Informatics
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Date and Place of Birth: October 4, 1954, Charlotte, North Carolina

Home Address: 230 Appleton Pl #545, Nashville, Tennessee 37203
Telephone (cell): (615) 351-6408

EDUCATION:

College
- North Carolina State University, Raleigh, NC: BS, Summa Cum Laude
Textile Engineering, 1972-1976

Professional or Graduate
- Winthrop University, Rock Hill, SC: MBA, 1977-1979
- University of Pittsburgh, Katz Graduate School of Business, Pittsburgh, PA: PhD, 1982-1995
Information Systems and Cognitive Science (Advisor: Harry E. Pople)
- Duke University, School of Engineering, Durham, NC: MS, 1995-1998
Medical Informatics (Advisor: David F. Lobach)

Research Fellowship
- Duke University, Durham, NC: NLM Medical Informatics Fellowship, 1995-1997

ACADEMIC APPOINTMENTS:
- Instructor and Assistant to the Dean, School of Business Administration, Winthrop University, 1980–1982
- Assistant Professor, School of Business Administration, College of William and Mary, 1989-1995
- Assistant Professor, Section of Biomedical Informatics, Department of Medicine, University of Pittsburgh, 1997-2005
- Assistant Professor, Secondary Appointment, Intelligent Systems Program, Department of Computer Science, University of Pittsburgh, 1997-2005
- Associate Professor, Department of Biomedical Informatics, Vanderbilt University, 2005-2011
- Director of Educational Programs, Department of Biomedical Informatics, Vanderbilt University, 2005-2012
- Professor, Department of Biomedical Informatics, Vanderbilt University, 2011-present
- Faculty Head of House, East House, The Martha Rivers Ingram Commons, Vanderbilt University, 2012-2016

- Vice-Chair for Educational Affairs, Department of Biomedical Informatics, Vanderbilt University, 2012-present

PROFESSIONAL ORGANIZATIONS:
Association of Computing Machinery, 1982-1989
Cognitive Science Society, 1985-2004
American Association of Artificial Intelligence, 1985-2004
American Medical Informatics Association, 1995-present
American College of Medical Informatics, 2008-present

PROFESSIONAL ACTIVITIES INTRAMURAL:
- Management Information Technology Curriculum Director, College of William and Mary, 1990-1995
- Co-Director, Biomedical Informatics Training Program, University of Pittsburgh, 1997-2003
- Member of the IAIMS Operations Committee, Center for Biomedical Informatics, University of Pittsburgh, 1997-2004
- Chair, IAIMS Evaluation Group, Center for Biomedical Informatics, University of Pittsburgh, 1998-2004
- Member, Information Security Committee, Information Services Division, UPMC Health System, 1998-2004
- Director, Medical Informatics Training for Africa, University of Pittsburgh, 1999-2005
- Director, Laboratory for Implementation and Evaluation, University of Pittsburgh, 2000-2005
- Chair, Curriculum Committee, Biomedical Informatics Training Program, 2001-2005
- Acting-Director, Biomedical Informatics Training Program, University of Pittsburgh, 2003-2005
- Member, Graduate Council, School of Medicine, University of Pittsburgh, 2003-2005
- Chair, Curriculum Committee, Biomedical Informatics MS-PhD Degree Program, Vanderbilt University, 2005-2015
- Chair, Admissions Committee, Biomedical Informatics MS-PhD Degree Program, Vanderbilt University, 2005-present
- Ex officio Member, Academic Program Committee, Biomedical Informatics MS-PhD Degree Program, Vanderbilt University, 2005-present
- Director of Graduate Studies, Biomedical Informatics MS-PhD Degree Program, Vanderbilt University, 2006-present
- Delegate, Graduate Faculty Delegate Assembly, Vanderbilt University, 2006-2008
- Emphasis Program Area Head for Biomedical Informatics, Vanderbilt University, 2007-2013
- Member, Informatics Strategic Planning Educational Group, Vanderbilt University, 2007-2008
- Member, IGP Internal Review Subcommittee, Vanderbilt University, 2008-2009
- Member, Graduate Honors Fellowship Selection Committee, Vanderbilt University, 2008-2009
- Member, Vanderbilt Clinical & Translational Research Scholars (VCTRS) Program Application Review Committee, Vanderbilt University, 2009-present
- Member, Vanderbilt School of Medicine Promotions Committee for Class of 2013, Vanderbilt University, 2009-2013
- Member, Vanderbilt School of Medicine Quarterly Basic Science Education Group (QBSEG), Vanderbilt University, 2009-present
- Member, Vanderbilt School of Medicine Biomedical Research Education and Training (BRET) Steering Committee, Vanderbilt University, 2010-2012
- Chair, Liaison Committee on Medical Education (LCME) Subcommittee on Educational Resources – Library Services and Information Resources, 2012.
- Member, Vanderbilt School of Medicine MSTP Faculty Advisory Committee, Vanderbilt University, 2012-present

- Lead, Curriculum 2.0 Informatics Thread Team, Department of Biomedical Informatics, Vanderbilt University, 2012-2014
- Member, Vanderbilt School of Medicine Medical Education Journal Club Advisory Committee, Vanderbilt University, 2012-2013
- Informatics Area Co-Director, School of Medicine Medical Student Research, Vanderbilt University, 2014-present
- Director, MS in Applied Clinical Informatics, Department of Biomedical Informatics, Vanderbilt University, 2014-2015
- Member, Clinical Informatics Fellowship Faculty, Department of Biomedical Informatics, Vanderbilt University, 2014-present
- Member, Co-Curricular Engagement External to the College Halls (CEECH) Working Group, Vanderbilt University, December 2014 - April 2015
- Ex officio Member, Curriculum Committee, Biomedical Informatics Degree Program, Vanderbilt University, April 2015 - present

PROFESSIONAL ACTIVITIES EXTRAMURAL:

Study Sections:
- Member, Special Emphasis Panel, International Training for Global Health (RFA TW-03-008), National Library of Medicine and Fogarty International Center, National Institutes of Health, February 2-3, 2004
- Member, Special Emphasis Panel, Research on Emergency Medical Services for Children (PAR 08-261), NIH and AHRQ, December 10, 2009 and December 7, 2010
- Chair, ONC Competency Examination Applications Review Committee, February 16, 2010
- Member, Special Emphasis Panel, Predoctoral Training in Biomedical Big Data Science - T32 and T15 (RFA-HG-14-004, -005, -006), NIH, October 26, 2014.

Peer Review:
- American Medical Informatics Association Annual Symposium, 1998-present
- Journal of the American Medical informatics Association, 2005-present
- International Journal of Medical informatics, 2007-present

Committees and Panels:
- Panel Organizer, The Study of Situated Clinical Practice: Multiple Approaches to Qualitative Research in Informatics. The 1996 Annual Fall Symposium of the American Medical Informatics Association, Washington, D.C., October 28-30, 1996
- Panelist, Teaching People and Organizational Issues in Medical Informatics Curricula. The 1999 Annual Fall Symposium of the American Medical Informatics Association, Washington, D.C., November 6-10, 1999 (Invited)
- Panelist, Using Decision Support Systems to Support Evidence-Based Practice Change. 2000 American Medical Informatics Association Spring Congress on Information Technologies for Quality Improvement in Health Care. Boston, MA, May 23-25, 2000 (Invited)
- Workshop Organizer, Biomedical Collaboratories Workshop, National Center for Research Resources (NCRR), National Institutes of Health, Pittsburgh Supercomputing Center, Pittsburgh, Pennsylvania, October 27-29, 2000
- Diana Forsythe Award Committee, American Medical Informatics Association, People and Organizational Issues Working Group, Chair 2000-2001, 2008, 2009 and Member 2002-2004, 2006, 2010
- Co-Chair, People and Organizational Issues Working Group, American Medical Informatics Association, 2000-2002
- Member, AMIA 2003 Symposium Scientific Program Committee
- Member, 2004 International Technology in Healthcare Conference Scientific Program Committee

- Member, AMIA 2005 Symposium Scientific Program Committee, Applications Track
- Panelist, Interdisciplinary Research and Practice: Informatics as a Case Example. 2006 Association for Library and Information Science Education Conference. San Antonio, TX, January 16-19, 2006 (Invited)
- Chair, AMIA 10x10 Steering Committee, 2006-2007
- Member, AMIA Academic Forum, 2006-present
- Member, AMIA 2006 Symposium Distinguished Poster Award Selection Committee
- Member, AMIA Education Committee, 2006-2012
- Member, AMIA 2008 Symposium Scientific Program Committee
- Member, AMIA Global Partnership Program Steering Committee, 2009-2010
- Track Co-Chair, 2010 AMIA NOW! Scientific Program Committee
- Member, Tokai University Institute of Innovative Science and Technology Faculty Selection Committee, 2010-2012
- Member, Cane Ridge High School (MNPS) Academy of Health Management Advisory Board, December 2010-July 2011
- Chair-Elect, AMIA Academic Forum, effective January 1, 2012-December 31, 2012
- Chair, AMIA Academic Forum Advanced Interprofessional Informatics Certification Task Force, July 2011-present
- Chair, Cane Ridge High School (MNPS) Academy of Health Management Advisory Board, August 2011-2013
- Member, Expert Advisory Panel for "Efficiency Measures Associated with the Use of Electronic Health Records," RAND Health (an ONC initiative), August 2011
- Member, AMIA Board of Directors, January 2012-present
- Member, American College of Medical Informatics Executive Committee, 2012-2013
- Chair, AMIA Academic Forum, effective January 1, 2013-December 31, 2013
- Program Chair, AMIA Academic Forum Annual Conference, Nashville, TN, May 2013
- Past Chair, AMIA Academic Forum, effective January 1, 2014-December 31, 2014
- Member, External Review Panel, Computational Bioscience Program, University of Colorado-Denver, Anschutz Medical Campus, March 2014
- Member, External Advisory Board, Biomedical Informatics Program, Regenstrief Institute, May 2014-present
- Member, External Review Panel, Department of Biomedical Informatics, University of Utah, January-February 2015
- Chair, AMIA Advanced Interprofessional Informatics Certification (AIIC) Work Group, 2015-2016
- Panelist, Advanced Interprofessional Informatics Certification (AIIC) Update, AMIA Academic Forum Annual Conference, Albuquerque, NM, April 2015 (Invited)
- Executive Director, Health Informatics Certification Entity, AMIA, August 2016-present

Research Consulting:
- RAND Health, Developing Standards for Electronic Prescribing Systems, 2001-2002
- RAND Health, Electronic Health Records, 2001-2002
- NIDCR-funded Dental Research Collaboratory, University of Pittsburgh School of Dental Medicine, 2002-2005
- AMIA, ONC Curriculum Review Content Expert, July 2011.

HONORS AND AWARDS:
- 1976 Graduated Suma Cum Laude, North Carolina State University, Raleigh, North Carolina
- American Medical Informatics Association Leadership Award, 2007
- Fellow of the American College of Medical Informatics, 2008
- Vanderbilt School of Medicine Academy for Excellence in Teaching, 2010
- American Medical Informatics Association Leadership Award, 2013

TEACHING ACTIVITIES:
Courses

- Introduction to Business, School of Business Administration, Winthrop University, Instructor, 1980-1982
- Labor Law, School of Business Administration, Winthrop University, Instructor, 1981
- Introduction to Management Information Systems, Graduate School of Business Administration, College of William and Mary, Instructor, 1989-1993
- Database Management Systems, School of Business Administration, College of William and Mary, Instructor, 1991-1992
- Introduction to Management Information Systems, School of Business Administration, College of William and Mary, Instructor, 1993-1995
- Introduction to Biomedical Informatics, School of Medicine, University of Pittsburgh, Instructor, 1997-2005
- Advanced Seminar on Information Technology and Health Care Organizations, School of Medicine, University of Pittsburgh, Instructor, 1998-2000
- Information Technology and Health Care Organizations School of Medicine, University of Pittsburgh, Co-Instructor, 2002-2005
- Evaluation Methods for Biomedical Informatics, Graduate School, Vanderbilt University, Co-Director, 2007-present (developed new course in 2007)
- Methodological Foundations of Biomedical Informatics, Qualitative Methods Module, Graduate School, Vanderbilt University, Co-Director, 2007-present (developed new course in 2007)

Other Lectures

- Emergent IAIMS Focal Activity on Practice-Based Clinical Epidemiology. Presentation to the Integrated Advanced Information Management Systems (IAIMS) Site Review Committee, University of Pittsburgh and UPMC Health System, Pittsburgh, PA, October 8, 1997
- Identification of User Interface Attributes to Enhance Utilization and Acceptance of Clinical Decision Support Systems. Presentation to the Intelligent Systems Program Research Seminar, University of Pittsburgh, Pittsburgh, PA. October 20, 1997
- Identification of Design Features to Enhance Utilization and Acceptance of Systems for Internet-Based Decision Support. Presentation to the Center for Biomedical Informatics, Medical Informatics Colloquium, Pittsburgh, PA. June 25, 1998
- Clinical Decision Support Systems. Presentation to UPMC St. Margaret Family Practice Residency Program Seminar Series, Pittsburgh, PA. August 10, 1998
- The Pittsburgh IAIMS Initiative: Integrated Advanced Information Management Systems. Presentation to the Information Services Division, UPMC Health Systems, Pittsburgh, PA. May 18, 2000
- Effects of an EMR on Patient Care - Clinicians' and Patients' Attitudes in a Pilot Implementation. Presentation to the Center for Biomedical Informatics, Medical Informatics Colloquium, Pittsburgh, PA. October 27, 2000
- Assessing Technology and Adoption Dichotomy Between Physicians' and Patients' Attitudes Regarding EMR Use During Outpatient Encounters. Presentation to the Center for Biomedical Informatics, Medical Informatics Colloquium, Pittsburgh, PA. November 16, 2000
- Evaluation of the Electronic Health Record and IAIMS. Pittsburgh 2002 Integrated Advanced Information Management Systems (IAIMS) Retreat, Pittsburgh, PA, April 22, 2002

- Dichotomy Between Physicians' and Patients' Attitudes Regarding EMR Use During Outpatient Encounters. Health Information Management course, HSR 2438, Research Methods and Clinical Data Analysis, University of Pittsburgh, Pittsburgh, PA. May 21, 2002
- Observation and Interview Methods. Biomedical Informatics course, BIOINF 2013, Clinical Environments in Biomedical Informatics, University of Pittsburgh, Pittsburgh, PA. October 1, 2002
- Evaluating Technology Applications in Medical Education. Clinical Education course, Innovative Teaching Strategies: Distance Learning, Web-Based Teaching, and Simulation, University of Pittsburgh, Pittsburgh, PA. March 14, 2003
- Distributed Cognition. Biomedical Informatics course, BIOINF 2111, Cognitive Studies for Health Informatics, University of Pittsburgh, Pittsburgh, PA. December 2, 2003
- Evaluating Technology Applications in Medical Education. Clinical Education course, Innovative Teaching Strategies: Distance Learning, Web-Based Teaching, and Simulation, University of Pittsburgh, Pittsburgh, PA. March 26, 2004
- Evaluating Clinical Informatics Systems. Presentation to the Center for Biomedical Informatics, Biomedical Informatics Distinguished Lecture Series, Pittsburgh, PA. October 15, 2004
- Organizational Issues in Biomedical Informatics. Nursing Informatics course, NURSP 2075, Introduction to Nursing Informatics, University of Pittsburgh, Pittsburgh, PA. October 25, 2004
- Distributed Cognition. Biomedical Informatics course, BIOINF 2111, Cognitive Studies for Health Informatics, University of Pittsburgh, Pittsburgh, PA. November 30, 2004
- Evaluation Methods for Biomedical Informatics. Biomedical Informatics course; BMIF 300, Foundations of Biomedical Informatics, Vanderbilt University, Nashville, TN. November 7, 2006
- Evaluation Methods for Biomedical Informatics. Biomedical Informatics course; BMIF 300, Foundations of Biomedical Informatics, Vanderbilt University, Nashville, TN. October 9, 2007
- Biomedical Informatics at Vanderbilt University. Cane Ridge High School (MNPS) Academy of Health Management Externship Program, Vanderbilt University, Nashville, TN. June 20-22, 2011
- Evaluation Methods for Biomedical Informatics. Veterans Affairs Health Informatics Course. September 2011
- Biomedical Informatics: Educational Opportunities and Career Pathways. DBMI Summer Seminar Series. June 2011-present

Research Supervision
Vanderbilt University Doctoral Committee Chair:
Nathan Hoot, Doctoral student in Biomedical Informatics. December 2007 graduate. *Current Position: Emergency Medicine Resident, Vanderbilt University Medical Center*
Thomas Campion, Doctoral student in Biomedical Informatics. August 2010 graduate. *Current Position: Instructor in Public Health, Division of Quality and Medical Informatics, Weill Cornell Medical College*
Firas Wehbe,MBBS. Doctoral student in Biomedical Informatics. May 2011 graduate. *Current Position: Research Assistant Professor, Department of Biomedical Informatics, Vanderbilt University*

Stephany Duda, Doctoral student in Biomedical Informatics. May 2011 graduate. *Current Position: Research Assistant Professor, Department of Biomedical Informatics, Vanderbilt University*

University of Pittsburgh Doctoral Committee Chair:

Gerald P. Douglas, BSc, MS. Doctoral student in Biomedical Informatics, Department of Biomedical Informatics. Graduated May 2009*. Current Position: Assistant Professor, Department of Biomedical Informatics, University of Pittsburgh*

Vanderbilt University Doctoral Committee Member:

Lawrence Fu, Doctoral student in Biomedical Informatics. December 2008 graduate. *Current Position: Research Assistant Professor, NYU Center for Health Informatics and Bioinformatics*

Kim Unertl, Doctoral student in Biomedical Informatics. December 2009 graduate. *Current Position: Assistant Professor, Department of Biomedical Informatics, Vanderbilt University*

Allison McCoy, Doctoral student in Biomedical Informatics. December 2010 graduate. *Current Position: Postdoctoral Fellow University of Texas, Houston, School of Biomedical Informatics*

Randy Carnevale, Doctoral student in Biomedical Informatics, 2007-2011

Jeff Leegon, Doctoral student in Biomedical Informatics, 2008-2012

University of Pittsburgh Doctoral Committee Member:

Matthew Scotch, Doctoral student in Biomedical Informatics, May 2006 graduate. *Current Position: Assistant Professor of Biomedical Informatics, Arizona State University*

Tammy Mah, Doctoral student in Graduate School of Public Health, 2003-2005

Eiman Aljafar, Doctoral student in Health Information Management, School of Rehabilitation Sciences, 2002

University of Pittsburgh Master's Committee Chair:

Michael Caruso, MD. Masters of Biomedical Informatics. MS awarded in 2002. *Current Position: Assistant Professor of Preventive Medicine, Loma Linda University School of Medicine*

Christa Bartos, RN, MS. Masters of Biomedical Informatics. MS awarded 2005 and PhD awarded in 2008. *Current Position: Assistant Professor of Nursing and Biomedical Informatics, University of Pittsburgh*

Vanderbilt University Master's Committee Member:

Allison McCoy, MS degree student in Biomedical Informatics. December 2008 graduate

Jeff Leegon, MS degree student in Biomedical Informatics. August 2009 graduate

Jonathan Holt, DO, MS degree student in Biomedical Informatics. August 2012 graduate

Kevin Dufenddach, MD, MS degree student in Biomedical Informatics. August 2016 graduate

University of Pittsburgh Master's Committee Member – Biomedical Informatics (2001-2008):

James Eng

Eric Tham, MD

Jeannie Yuhaniak

Sugandha Sharma

Mohamed Foraida, MBBS

Thankam Thyvalikakath, DDS

Donna Beacom, BSN, RN

Christopher G Mast, MD

University of Pittsburgh Master's Committee Member – Information Science (1998-2001):

Theodore Tsai

Rebecca Crowley, MD

University of Pittsburgh Certificate in the Biomedical Informatics, Mentor (2001-2005):

Sam Al-Droubi, MS
Yi-bu Chen, MS
Jaime Blanck, MLS
University of Pittsburgh Postdoctoral Fellow in Biomedical Informatics, Mentor (1998-2005):
Brenda Manning, PhD, MS
University of Pittsburgh Predoctoral/Postdoctoral Fellow in the Medical Informatics Training for Africa (Med-ITA) Program Mentor (2000-2005):
Sylvanus J Dafur, MBBS, MS
Chike Onyechere, MBBS
Samuel Iwu, BS
Lawrence Ejindu
Maxwell Duru
Rashid Deula

RESEARCH PROGRAM:

Extramural Research Support (Current):

Project Title: Vanderbilt Biomedical Informatics Training Program
Provides tuition and stipend support for nine predoctoral (PhD), six postdoctoral (MS or nondegree), and four short-term training fellowships in biomedical informatics.
Grant Number: T15 LM007450-13
Grant Source: National Library of Medicine, NIH
Principal Investigator: **CYNTHIA S.GADD, PhD**
Project Period: 2012-2017

Project Title: Vanderbilt Biomedical Informatics Summer Research Experience Program
Grant Number: 1 R25 LM011174-04
Grant Source: National Library of Medicine, NIH
Principal Investigator: **CYNTHIA S.GADD, PhD**
Project Period: 2011-2016

Project Title: Vanderbilt Training Program in Big Biomedical Data Science
Provides tuition and stipend support for 6 predoctoral training fellowships in a big data track in a biomedical Informatics training program.
Grant Number: 1 T32 LM012412-01
Grant Source: Big Data to Knowledge Program (administered by NLM) NIH
Co-Principal Investigators: Malin, Bradley, **CYNTHIA S.GADD, PhD**, Jeffrey Blume
Project Period: 2016-2021

Extramural Research Support (Pending):

NONE

Extramural Research Support (Past):

Project Title: Cognitive Science in Medicine Initiative: Communication of Medical Expertise
Grant Source: Josiah Macy, Jr. Foundation
Principal Investigators: David Evans, PhD, Vimla Patel, PhD

Role: Research Associate
Project Period: 1985-1988

Project Title: Interactive Guideline-Based Decision Support Resource on the WWW
Grant Source: Agency for Health Care Policy and Research
Principal Investigator: David Lobach, MD
Role: Research Associate
Project Period: 1996-1997

Project Title: Pittsburgh Biomedical Informatics Training Program
Grant Number: T15 LM/DE07059
Grant Source: National Library of Medicine and NIDR, NIH
Principal Investigator: Charles Friedman, PhD (1997-2003); **CYNTHIA S.GADD, PhD** (2003-2005)
Role: Co-Director (1997-2003)
Project Period: 1997-2005

Project Title: Pittsburgh IAIMS Implementation: Advancing the Academic Mission with Information Technology
Grant Number: G08-LM06625
Grant Source: National Library of Medicine, NIH
Principal Investigator: Charles Friedman, PhD
Role: Co-Investigator
Project Period: 1998-2004

Project Title: Survey/Evaluate VISN 4 IS Resources
Grant Source: VA Pittsburgh Healthcare System
Role: Subcontract Principal Investigator - **CYNTHIA S.GADD, PhD**
Project Period: 1998

Project Title: Methods to Model Cause and Effects from Clinical Data
Grant Number: R01-LM06696
Grant Source: National Library of Medicine, NIH
Principal Investigator: Gregory Cooper, MD, PhD
Role: Co-Investigator
Project Period: 1998-2001

Project Title: Supercomputing for Biomedical Research: Biomedical Collaboratories for Software Development
Grant Number: P41 RR06009
Grant Source: National Center for Research Resources, NIH
Principal Investigator: Ralph Roskies, PhD
Role: Subcontract Principal Investigator - **CYNTHIA S.GADD, PhD**
Project Period: 1998-2002

Project Title: Expanded Deployment, Enhancement, and Evaluation of the Image Engine Multimedia Patient Record System
Grant Number: N01-LM-9-3522
Grant Source: National Library of Medicine, NIH
Principal Investigator: Henry Lowe, MD (1999-2001), **CYNTHIA S. GADD, PhD** (2001-2002)
Role: Co-Investigator (1999-2001)
Project Period: 1999-2002

Project Title: Medical Informatics Training for Africa
Grant Number: D43 TW01287
Grant Source: Fogarty International Center, NIH
Principal Investigator: **CYNTHIA S.GADD, PhD**
Project Period: 1999-2005

Project Title: Integrated Medical Information Technology System Evaluation
Grant Source: University of Pittsburgh Medical Center - U.S. Air Force
Role: Subcontract Principal Investigator - **CYNTHIA S.GADD, PhD**
Project Period: 2003-2005

Project Title: Evaluation of an Adaptive, Scalable, and Secure I2-based Client Server Architecture for Interactive Analysis and Visualization of Volumetric-Time Series Data
Grant Source: National Library of Medicine, NIH
Principal Investigator: David Deerfield, PhD
Role: Subcontract Principal Investigator - **CYNTHIA S.GADD, PhD**
Project Period: 2003-2005

Project Title: Volunteer eHealth Initiative
Grant Number: AHRQ-04-0015
Grant Source: Agency for Healthcare Research and Quality (AHRQ), State of Tennessee
Principal Investigator: Mark Frisse, MD, MS, MBA
Role: Co-Investigator
Project Period: 2004-2009

Project Title: STEPStools: Developing Web Services for Safe Pediatric Dosing
Grant Number: R18 HS 017216
Grant Source: Agency for Healthcare Research and Quality (AHRQ)
Principal Investigator: Kevin Johnson, MD, MS
Role: Co-Investigator
Project Period: 2007-2010

Project Title: Vanderbilt Biomedical Informatics Training Program
Grant Number: T15 LM007450-10
Grant Source: National Library of Medicine, NIH
Principal Investigator: **CYNTHIA S.GADD, PhD**
Project Period: 2007-2012 (ARRA Supplements 1 & 2, 2009-2011; Curriculum Supplement, 2010-2011)

Project Title: A Framework Based Clinical Documentation Evaluation Method
Grant Number: 1 R01 LM009591-01A1
Grant Source: National Library of Medicine, NIH
Principal Investigator: S. Trent Rosenbloom, MD, MPH
Role: Co-Investigator
Project Period: 2008-2011

Project Title: A Proposal for the Comprehensive Evaluation of the COM-P Biomedical Informatics Theme
Contract Source: University of Arizona College of Medicine - Phoenix
Principal Investigator: Howard Silverman, MD

Role: Subcontract Principal Investigator - **CYNTHIA S.GADD, PhD**
Project Period: 2011-2012

Project Title: Disseminating Adapted Diabetes Evidence to Clinicians through a Patient Portal
Grant Number: 1 R18 HS019276-01
Grant Source: Agency for Healthcare Research and Quality (AHRQ)
Principal Investigator: S. Trent Rosenbloom, MD, MPH
Role: Co-Investigator
Project Period: 2010-2013

Project Title: Integrated Fisk STEM 3 YR Undergrad-2Yr Masters in CS- Vanderbilt Informatics PhD
Grant Number: 1 P20 MD 008684-01
Grant Source: NIH/NIMHD
Principal Investigator: Lee Limbird, PhD
Role: Co-Investigator
Project Period: 2013 - 2014

Project Title: Vanderbilt University - National AIDS Research Institute (Pune, India) - National Institute of Epidemiology (Chennai, India) Informatics Training Program
Grant Number: 1D43TW008440-05
Grant Source: Fogarty International Center, NIH
Principal Investigator: **CYNTHIA S.GADD, PhD**
Project Period: 2009-2014

Internally-supported Research (Past):

UPMC Health System Information Services Division
EMR Implementation and Evaluation   50% fte   July 2002 - June 2005
                                             20% fte   Sept. 1997 - June 2002
Department of Family Medicine, University of Pittsburgh
     IAIMS Focal Activity   25% fte   Sept. 1997 - June 1999

PUBLICATIONS AND PRESENTATIONS:

Refereed Journal Articles[*]

1. **Gadd CS**, Pople, Jr. HE. An interpretation synthesis model of medical teaching–rounds discourse: implications for expert system interaction. International Journal of Education Research, Special Issue on the Use of Computer Simulation as Research Tools. 1(1):81-102; 1988.

2. Lobach DF, **Gadd CS,** Hales JW. Structuring clinical practice guidelines in a relational database model for decision support on the Internet. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 158-162; 1997

3. Hales JW, **Gadd CS**, and Lobach DF. Development and usage of a guideline entry wizard to convert text clinical practice guidelines to a relational format. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 163-167; 1997.

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[*] Includes all refereed articles that are both published as complete peer-reviewed papers and indexed in <u>Index Medicus</u>.

4. Lobach DF, **Gadd CS**, Hales JW, Baskaran P. Siegfried: System for interactive electronic guidelines with feedback and resources for instruction and educational development. In B Cesnik et al., eds. Proceedings of MedInfo 98. Amsterdam: IOS Press. 827-831; 1998.

5. **Gadd CS**, Baskaran P, Lobach DF. Identification of design features to enhance utilization and acceptance of systems for internet-based decision support at the point of care. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 91-95; 1998.

6. **Gadd CS**, Friedman CP, Douglas G, Miller DJ. Information resources assessment of a healthcare integrated delivery system. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 525-529 ; 1999.

7. **Gadd CS**, Penrod LE. Dichotomy between physicians' and patients' attitudes regarding EMR use during outpatient encounters. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 275-279; 2000.

8. Crowley RS, **Gadd CS**, Naus GJ, Becich MJ, Lowe HJ. Anatomical imaging defining the role of anatomic pathology images in the multimedia electronic medical record – A preliminary report. Journal of the American Medical Informatics Association (AMIA Fall Symposium Supplement). 161-165; 2000.

9. **Gadd CS**, Penrod LE. Assessing Physician Attitudes Regarding Use of an outpatient EMR: A Longitudinal, Multi-Practice Study. Journal of the American Medical Informatics Association (AMIA 2001 Fall Symposium Supplement). 194-198; 2001.

10. Manning B, **Gadd CS**. Introducing Handheld Computing into a Residency Program: Preliminary Results from Qualitative and Quantitative Inquiry. Journal of the American Medical Informatics Association (AMIA 2001 Fall Symposium Supplement). 428-432; 2001.

11. Mast CG, Caruso MA, **Gadd CS**, Lowe HJ. Evaluation of a Filmless Radiology Pilot – A Preliminary Report. Journal of the American Medical Informatics Association (AMIA 2001 Fall Symposium Supplement). 443-447; 2001.

12. Penrod LE, **Gadd CS**. Attitudes of Academic-based and Community-based Physicians Regarding EMR Use During Outpatient Encounters. Journal of the American Medical Informatics Association (AMIA 2001 Fall Symposium Supplement). 528-532; 2001.

13. McKibbon KA, **Gadd CS**. A quantitative analysis of qualitative studies in clinical journals for the 2000 publishing year. BMC Medical Informatics and Decision Making 2004, 4:11 http://www.biomedcentral.com/1472-6947/4/11.

14. Bartos CE, Nigam MK, Fridsma DB, **Gadd CS**. Predicting the Impact of a New Information System on Workflow Using a Discrete Event Simulation (MedInfo 2004 Building High Performance Healthcare Organizations). September, 2004.

15. Scotch M, Parmanto B, **Gadd CS**, and Sharma RK. Re: Exploring the role of GIS during community health assessment problem solving: experiences of public health professionals. International Journal of Health Geographics 2006, 5:39 (18 Sep 2006) http://www.ij-healthgeographics.com/content/5/1/39.

16. Chen Y, Chattopadhyay A, Bergen P; **Gadd CS**; Tannery N. The Online Bioinformatics Resources Collection at the University of Pittsburgh Health Sciences Library System--a one-stop gateway to online bioinformatics databases and software tools. Nucleic Acids Research 2006. DOI: 10.1093/nar/gkl781. http://nar.oxfordjournals.org/cgi/content/full/gkl781?ijkey=dFlpYUbKVAIoMU1&keytype=ref.

17. Tannery NH, Wessel CB, Epstein BA, **Gadd CS**. Hospital nurses' use of knowledge-based information resources. Nursing Outlook 55(1): 15-19, January-February 2007. doi:10.1016/j.outlook.2006.04.006.

18. Johnson KB, **Gadd CS**. Playing smallball: Approaches to evaluating pilot health information exchange systems. Journal of Biomedical Informatics 40(6), Supplement 1: S21-S26, December 2007. PMID**:** 17931981.

19. Hoot NR, LeBlanc LJ, Jones I, Levin RS, Zhou C, **Gadd CS**, Aronsky D. Forecasting Emergency Department Crowding by Discrete Event Simulation. Ann Emerg Med, Dec 2007. Aug;52(2):116-25. PMID: 18387699.

20. Lorenzi NM, Novak LL, Weiss JB, **Gadd CS**, Unertl KM. Crossing the Implementation Chasm: A Proposal for Bold Action. Journal of the American Medical Informatics Association 15(3) May/June 2008:290-6. PMID**:** 18308985.

21. Frisse ME, King JK, Rice WB, Tang L, Porter JP, Coffman TA, Assink M, Yang K, Wesley M, Holmes RL, **Gadd CS**, Johnson KB, Estrin VY. A regional health information exchange: architecture and implementation. AMIA Annu Symp Proc. 2008 Nov 6:212-6. PMID: 18999138.

22. Johnson KB, **Gadd CS**, Aronsky D, Yang K, Tang L, Estrin V, King JK, Frisse M. The MidSouth eHealth Alliance: use and impact in the first year. AMIA Annu Symp Proc. 2008 Nov 6:333-7. PMID: 18999184.

23. Wehbe FH, Brown SH, Massion PP, **Gadd CS**, Masys DR, Aliferis CF. A novel information retrieval model for high-throughput molecular medicine modalities. Cancer Inform. 2009 Feb 9;8:1-17. PMID: 19458790.

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