

CURRICULUM VITAE

MICHELLE L. ROGERS, Ph.D.

Associate Professor (with Tenure)
Department of Information Science
College of Computing and Informatics
Drexel University

3675 Market Street
Philadelphia, PA 19104

MRogers@drexel.edu
(215) 895-2922 (Office)

ORCID: <https://orcid.org/0000-0001-9021-7809>

Research Interests: Human-computer interaction, human centered computing, human factors engineering, women & girls of color in technology, broadening participation in computing/STEM, socio-technical systems, health services research, patient safety, global health, midwifery practice & ICT use

POSITIONS/APPOINTMENTS

Current

Drexel University, College of Computing and Informatics – Philadelphia, PA

Associate Professor with Tenure (*September '14 - Present*)

Faculty Director, CCI Broadening Participation Initiative (*August '23 - Present*)

Associate Department Head, Information Science Department (*March '19 – Summer '20*)

Faculty Director, Women in Tech initiative (*March '18 – Summer '20*)

Bachelor of Science in Information Systems (BSIS) Program Director (*Sept. '16 – Sept. '18*)

Previous

National Science Foundation, Computer Network Systems (CNS) Division – Alexandria, VA

Program Director/Intergovernmental Personnel Act (IPA), (*September '20 – September '22*)

Computing in Computer and Information Science and Engineering (CISE) Directorate

Drexel University, College of Computing and Informatics – Philadelphia, PA

Assistant Professor (*September '08 – '14*)

Department of Veterans Affairs, Getting at Patient Safety (GAPS) Center - Cincinnati, OH.

Faculty Scientist (*September '01 – August '08*)

University of Cincinnati, - Cincinnati, OH

Volunteer Research Assistant Professor (*September '05 – August '08*)

Alliant Energy, Inc. - Madison, WI

Information Technology Usability Analyst – (*Winter '01 – Summer '01*)

University of Wisconsin - Madison, WI
Research Assistant (Fall 1998 – Spring 2001)
Research Assistant (Spring 1998 - Fall 1999)

University of Wisconsin - Madison, WI
Coordinator - New Educators Orientation (Fall '98, Spr. '99, Fa. '99)

University of Michigan - Ann Arbor, MI
Evaluation Coordinator/Mgmt. Team Member (Sum. '97) Activities Coordinator/Mgmt. Team Member (Sum 94, '95, '96)

Teaching

University of Cincinnati – Cincinnati, OH
Volunteer Research Assistant Professor (Fall Qtr. 2007)

University of Wisconsin - Madison, WI
Teaching Assistant - Introduction to Human Factors (5 semesters: Fall 1997 - Fall 2000)
Instructor - Introduction to engineering high school course (Summer 1999/ Summer 2000)
Teaching Assistant - High school technical writing course (Summer 1998/ Summer 1999)

EDUCATION

University of Wisconsin, Madison - Madison, WI
Ph.D., Industrial Engineering, August 2002
Thesis Title: “Socio-technical Impact of Electronic Medical Records on the Work Activity and Work Processes in a Small Clinic”
Advisors: Pascale Carayon, PhD, Barrett Caldwell, PhD

University of Wisconsin, Madison - Madison, WI
Master of Science, Industrial Engineering, December 1999

Eastern Michigan University - Ypsilanti, MI
Master of Arts, Educational Leadership, May 1996

Spelman College/Georgia Institute of Technology - Atlanta, GA
(Dual Degree Engineering Program)
Bachelor of Science, May 1993/Bachelor of Electrical Engineering, March 1993

SELECTED HONORS & AWARDS

- 2022 NSF Director’s Award for Exemplary Service as a team
- 2012- 2013 Christian R. and Mary F. Lindback Foundation Award for Distinguished Teaching
- 2009 Drexel University Career Award
- 1999 Vilas Graduate Research Award
- 1994 -’96 University of Wisconsin – Madison Graduate Assistantship (Full academic scholarship)

- Undergraduate: Most Outstanding Dual Degree Student
- Dual Degree Engineering Program Honor Roll
- Spelman College Honor's Program and Dean's List
- National Dean's list

STUDENTS (Since Tenure)

Nina Multak (PhD 2016); Dissertation: Information gathering, decision making skills and clinical documentation technology as mediators of clinical performance in the physician assistant population. Current employment – Associate Dean, Director - PA Studies University of Florida College of Medicine

Undergraduate Student Researchers

Liz'e Simpson, Drexel Supernova Undergraduate Research Fellows, 2022-2024

Salamata Bah, NSF CARE-U research student, 2019-2020

Madeline Cook, NSF CARE-U research student, 2019-2020

Ramon Estevez, NSF CARE-U research student, 2019-2020

Olivia Harley, NSF CARE-U research student, 2019-2020

Srirashmi Gudur, Drexel Students Tackling Advanced Research (STAR) research scholar, 2019

Leomar Duran, Community College of Philadelphia RISE summer intern program, 2017

Ron Carter, Community College of Philadelphia RISE summer intern program, 2017

Joseph Kennedy, Community College of Philadelphia RISE summer intern program, 2016

High School Student Researchers

Gianna Williams, Summer intern - Cheltenham High School 2017

Omar Swidan, Summer intern - Philadelphia Science Leadership Academy 2017

PUBLICATIONS

* Denotes a student/trainee

Refereed Journal Articles

Irvin, V., **Rogers, M. L.**, & DeRiggs, A.* (2024). Footed in the information deep: Research frameworks for (re) claiming and (re) storing heritage-based knowledge competencies in information professionals. *Library & Information Science Research*, 46(2), 101300.

Allen-Handy, A., Ifill, V., Schaar, R.Y., Woodard, M.*, **Rogers, M.** (2021). The emerging critical pedagogies of dance educators in an urban STEAM after school program for Black girls. *Journal of Urban Learning, Research, and Teaching*, 16(1), 58-88.

Dalrymple, P. W., **Rogers, M.**, Zach, L., & Luberti, A. (2018). Understanding Internet access and use to facilitate patient portal adoption. *Health informatics journal*, Dec;24(4):368-378. DOI: 1460458216675497.

Massey, P. M., Kim, M. C., Dalrymple, P. W., **Rogers, M. L.**, Hawthorne, K. H., & Manganello, J. A. (2017). Visualizing Patterns and Trends of 25 Years of Published Health Literacy Research. *HLRP: Health Literacy Research and Practice*, 1(4), e182-e191.

Rogers, ML, Marquez, SP, Turner, D, Vibert, YM (2016) “Information Technology Systems to Support Healthcare Infrastructure and Training in Uganda” *2nd Workshop of Strategic Alliances for the Internationalization of Higher Education (Cuba TiES)*, Presented October 24 — 28, 2016.

Dulin-Keita, A., Clay, O., Whittaker, S., Hannon, L., Adams, I. K., **Rogers, M.**, & Gans, K. (2015). The influence of HOPE VI neighborhood revitalization on neighborhood-based physical activity: A mixed methods approach. *Social Science & Medicine*, 139, 90-99.

Sokolow, P. S., Bowles, K. H., & **Rogers, M.** (2015, August). Health Information Technology Evaluation Framework (HITREF) Comprehensiveness as Assessed in Electronic Point-of-Care Documentation Systems Evaluations. In *MEDINFO 2015: EHealth-enabled Health: Proceedings of the 15th World Congress on Health and Biomedical Informatics* (Vol. 216, p. 406). IOS Press.

Dalrymple PW, Zach, L., and **Rogers ML**. (2014). Health Literacy and Information Seeking: Poised for Convergence, *International Journal Of Health Information Management Research*. 2(1): pp. 3-12.

Sokolow, PS,, **Rogers, ML**, Bowles, KH, Hand, K*, & George, J.* (2014) Challenges and facilitators to nurse use of a guideline-based nursing information system: Recommendations for nurse executives. *Applied Nursing Research* 27.1: 25-32

Sokolow, P. S., Bowles, K. H., **Rogers, M. L.**, Adelsberger, M. C., Chittams, J. L., & Liao, C. (2014, July). Opportunities in interdisciplinary care team adoption of electronic point-of-care documentation systems. In *Nursing Informatics* (pp. 371-379).

Rogers, ML, Sokolow,PS, Bowles,KH, Hand, K,* & George, J.* (2013), Use of a Human Factors Approach to Uncover Informatics Needs of Nurses in Documentation of care. *International Journal for Medical Informatics*, 82(11), pp. 1068-1074.

Dalrymple PW, **Rogers ML**, Turner KH, Green MK, Zach, L. (2013). Partnering to encourage health information seeking by patients in an urban clinic. *Journal of Medical Library Association* 2013 Jul;101(3).

Dalrymple PW, Zach L, **Rogers M** (2013) Health literacy and information seeking: poised for convergence? In: Abidi SSR and Bath PA (editors) *Proceedings of 16th International Symposium for Health Information Management Research* (ISHIMR 2013); Published by Dalhousie University, Halifax NS, Canada. ISSN 9-7809559-28314. pp 93-100.

Green MK, Dalrymple PW, Turner KH, **Rogers ML**, Williver-Farr H*, Zach L. (2013). An Enhanced Text4Baby Program: Capturing Teachable Moments Throughout Pregnancy. *Journal of Pediatric Nursing*, 28(1), pp. 92-94.

Rogers, M., Zach, L., An, Y and Dalrymple, P. (2012). Capturing Information Needs of Care Providers to Support Knowledge Sharing and Distributed Decision Making. *Applied Clinical Informatics*. 3:pp. 1–13

Zach, L. Dalrymple, P, **Rogers, M.**, and Williver-Farr, H.* (2012). Assessing Internet access and use in a medically underserved population: implications for providing enhanced health information services. *Health Information and Libraries Journal*. 29 (1), pp. 61–71.

Rogers, ML (2011). CMC and use in trans-disciplinary clinical practice. *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting*.

Patterson, ES, **Rogers, ML**, Tomolo, AM, Wears, RL, Tsevat, J. (2010). Comparison of Extent of Use, Information Accuracy, and Functions for Manual and Electronic Patient Status Boards. *International Journal of Medical Informatics*. 79(12), pp. 817-823.

Britto, M, Knopf Munafo, J, Wissman, J, **Rogers, ML**, Hersh, W. (2009). “Usability Testing Finds New Problems for Novice Users of Pediatric Portals” *Journal of the American Medical Informatics Association* 16(5), pp. 660-669.

Nader, C., Tsevat, J. Justice, AJ., Mrus, JM., Levin, F. Kozal, MJ., Mattocks, K., Farber, S., **Rogers, M.**, Erdos, J., Brandt, C., Kudel, I., & Braithwaite, RS., (2009). Development of an Electronic Medical RecordBased Clinical Decision Support Tool to Improve HIV Symptom Management. *AIDS Patient Care and STDs*. 23(7): pp. 521-529.

Patterson, ES, **Rogers, ML**, Chapman, RJ., Render, ML. (March, 2006). Compliance with Intended Use of Bar Code Medication Administration in Acute and Long-Term Care: An Observational Study. *Human Factors*, Special Issue on Patient Safety 48(1), pp. 15-22.

Rogers, ML, Cook, RI, Bower, R., Molloy, M., Render, ML. (2004). “Barriers to implementing wrong site surgery guidelines: a cognitive work analysis.” *IEEE Transactions on Systems, Man and Cybernetics - Part A: Systems and Humans*. 34(6). pp. 757-763

Patterson, ES, **Rogers, ML**, Render, ML. (2004). “Fifteen Best Practice Recommendations: recommendations for bar-code medication administration in the Veterans Health Administration.” *Jt Comm Qual Safety*. 30(7):pp. 355-365.

Patterson, ES, **Rogers, ML**, & Render, ML. (2004) “Simulation-based embedded probe technique for human-computer interaction evaluation”. *Cognition, Technology and Work*. 6(3): pp. 197-205.

Brennan, PF, Moore, SM, Bjornsdottir, G, Jones, J, Visovsky, C, & **Rogers, M**, (2001) “HeartCare: An Internet-based Information and Support System for Patient Home Recovery after Coronary Artery Bypass Graft (CABG) Surgery” *Journal of Advanced Nursing* 35(5): pp. 699-708.

Brennan, PF, Bjornsdottir, G, **Rogers, M**, Jones, J, Moore, SM, & Visovsky, C., (2000) “Launching HeartCare” *ITIN (Journal of the British Computer Society's Nursing Specialist Group)* 12(4):pp. 4-9.

Refereed Conference & Symposium Presentations:

Rogers, M. & Payton, F.C. (2024, May). Analyzing Electronic Medical Records (EMRs) Use by Midwives to Support Black Women’s Birthing Care [Abstract Presentation] *Institute of Industrial and Systems Engineers (IISE) Annual Conference & Expo IISE 2024*. Montreal, Canada

Cameron, T.*, Allen-Handy, A., **Rogers, M.**, Ifill, V., & Schaar, R. (2024, April). Navigating Resilience Through Dance: Black Girls' Experiences in a STEAM Counterspace During the COVID-19 Pandemic. Paper presented at the *2024 American Educational Research Association (AERA) Annual Meeting*. Philadelphia, Pennsylvania.

Payton, F.C. and **Rogers, M.** (2024, February). Black Maternal Care: A Call to Action for Engineering, Data Science, Electronic Health Records and Justice, [Abstract Presentation] *Big Data Health Science Conference, 2024*, Columbia, SC. *(Selected Best oral presentation in the Electronic Health Records Core Breakout Session and paper in 2024 Biomedical Central Proceedings)

Allen-Handy, A., Ifill, V. Schaar, R., **Rogers, M.**, & Cameron, T. (2023, April). Amplifying Black Women Educators' Positionalities and Critical Praxis in a Transdisciplinary STEAM-Program for Black Girls. Paper presentation at the *American Education Research Association Conference* Chicago, IL.

Rogers, M., Masud-Paul, J., & Desoki, R. E. (2019). Understanding the use of health information technology for maternal and child health practitioner training in low and middle income countries. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 63(1), 743-746.
<https://doi.org/10.1177/1071181319631521>

Schaar, R., Ifill, V., Allen-Handy, A. & **Rogers, M.**, (2019, March) Black Girls STEAMing Through Dance: Examining Identity and Self Concept, Presented at *National Art Education Association Convention*, Boston, MA.

Allen-Handy, A., Ifill, V., **Rogers, M.**, & Schaar, R. (2018). Black girls STEAMing through Dance: A Transdisciplinary Collaborative Project. *International Conference on Urban Education (ICUE)*, Presented November 9, 2018. Nassau, Bahamas

Rogers, ML, & Vargas, M (2018) "Inclusion in computing: driving enrollment growth and expansion of the population" *Cuba TIES: IV Workshop of Strategic Alliances for the Inter-nationalization for Higher Education*, Presented October 24, 2018.

Turner, D. and **Rogers, ML**. (2014). Documents and Diagnosis: A Ugandan Case Study. *11th Annual Meeting of the Document Academy*. Kent, Ohio. August 4-6, 2014.

Dalrymple PW, **Rogers ML**, Zach, L., and Luberti, A. (2014), If You Build a Patient Portal, Will They Come? Presented at the *Medical Library Association (MLA'14)*. Chicago, Illinois. May 18, 2014.

Rogers, M., Sockolow, PS, Bowles, KH, (2014, March) Usability: A window into understanding nursing documentation in an NIS. Poster presented at the *Symposium on Human Factors and Ergonomics in Health Care*. Chicago, Illinois. March 18, 2014.

Rogers, M., Zach, L., Dalrymple, P. (2014, March) Lessons Learned in Using Information Technology in Healthcare in Underserved Communities. Poster presented at the *Symposium on Human Factors and Ergonomics in Health Care*. Chicago, Illinois. March 17, 2014.

Rogers, M., Dalrymple, P, Zach, L., Luberti, A, Abrams, D.* & Jobs, J.* (2013). The year of mHealth in

Philadelphia: Drawing a Portrait of Technology Use in an Urban Area, revisited.” *6th Annual Healthcare Informatics Symposium, presented by the Center for Biomedical Informatics (CBMi) at The Children’s Hospital of Philadelphia.*

Rogers, M. and Guidotti, K. (2012). Evaluating Stress Reduction Monitors. Presented at the *14th International Conference on Ubiquitous Computing (UbiComp 2012) Pittsburgh, PA.*

Rogers, M., Zach, L., Multak, N.*, Dalrymple, P.W., (2012). The Digital Divide in Philadelphia: Drawing a Portrait of Technology Use in an Urban Area. *5th Annual Healthcare Informatics Symposium, presented by the Center for Biomedical Informatics (CBMi) at The Children’s Hospital of Philadelphia.*

Rogers ML, Patterson E, Chapman R, Render M. Usability Testing and the Relation of Clinical Information Systems to Patient Safety. In: *Advances in Patient Safety: From Research to Implementation (Volume 2: Concepts and Methodology)*. Agency for Healthcare Research and Quality (US), Rockville (MD); 2005. Available from <https://www.ncbi.nlm.nih.gov/books/NBK20503> PMID: 21249828.

Rogers, M., (2011). Tracking Observations of Everyday Living with Smart Phones. *UAHCI'11: Proceedings of the 6th international conference on Universal access in human-computer interaction: context diversity - Volume Part III.* 7683.

Rogers, ML (2011). Designing for Whole Systems and Services in Healthcare. *ACM CHI Conference on Human Factors in Computing Systems (CHI 2011), CHI Extended Abstracts 2011.* pp. 359-362.

Rogers, ML (2010) Teaching HCI Design Principles Using Culturally Current Media. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 54(8): pp. 677-680.

Karsh, B, Garrett, SK. **Rogers, ML.** Rivera-Rodriguez, AJ, Marquard, JL. and Wetterneck, TB.(2010). Human Factors Contributions Toward Medication Safety. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*; 54(12): pp. 812-815.

An, Y., Dalrymple, PW., **Rogers, M.;** Gerrity, P., Horkoff, J., Yu., E. (2009) Collaborative Social Modeling for Designing a Patient Wellness Tracking System in a Nurse-Managed Healthcare Center – Presented at *4th International Conference on Design Science Research in Information Systems, and Technology (DESRIST'09).* Philadelphia, PA, USA.

Rogers, ML, Ebright, P & Render, ML. (2005). “Migrating Collaborative Work in Healthcare to Electronic Environments.” *Proceedings of the 11th International Conference on Human-Computer Interaction.*

Rogers, ML (2005). “The Socio-Technical Impact Of Electronic Medical Records on The Work Activities And Work Processes In A Small Clinic.” *Proceedings of the 8 International Symposium on Human Factors in Organizational Design and Management (ODAM).* June 22-25, Maui, HI.

Chapman, RJ, **Rogers, ML,** and Render, ML. The tradeoffs and side-effects of migrating from wireless computer to PDA-based support for medication administration (2004). *Proceedings of the Human Factors and Ergonomics Society 48th Annual Meeting.* 48 (15): pp. 1638-1642.

Rogers, M., Cook, RI & Render, ML. (2003) "Barriers to implementing wrong site surgery guidelines: a cognitive work analysis". *Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting*. 47(3): pp. 395-399.

Patterson, ES, **Rogers, ML.**, Chapman, R. & Render, ML. (2003) "Differences in the use of bar coded medication administration (BCMA) in acute care and long-term care settings." In *Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting*, 47(12): pp. 1471-1475.

Hamilton, K., **Rogers, M.,** & Burton, K. (2001). A Fresh Look At The Strategies For Recruiting Students Of Color In Engineering Graduate Schools. In *Proceedings of the 2001 American Society for Engineering Education (ASEE) Annual Conference & Exposition*. Albuquerque, NM, USA.

Caldwell, B. & **Rogers, M.** (2000) "HeartCare HouseCalls: Delivering Web-based Health Informatics without Desktops". In *Proceedings of the conference on Human Factors in Computing Systems CHI 2000*, The Hague, The Netherlands, 33-34.

Rogers, M, Caldwell, B, Marmet, GJ, & Flatley-Brennan, P. (1999). "Usability Design Considerations In Providing Computer Support For Health Informatics" In *Proceedings of the Human Factors and Ergonomics Society 43rd Annual Meeting*, 43(15); pp. 855-858.

Refereed Book Chapters:

Ifill, V., Cameron, T., **Rogers, M.,** Allen-Handy, A., M. & Schaar, R. (under review). Black Creativity and Interdisciplinary Education as Liberation. Contribution in the "Learning Pursuits & Liberatory Literacies" chapter. *Liberatory Curriculum in Dance Education*.

Allen-Handy, A., Ifill, V., Schaar, R., **Rogers, M.,** & *Woodard, M. (2020). Black girls STEAMing through dance: Inspiring STEAM literacies, STEAM identities, and positive self-concept. In K. Thomas & D. Huffman (Eds.). *Challenges and opportunities for transforming from STEM to STEAM education*. Hershey, PA: IGI Global

Park, S and Rogers, M. (2020). Intensive Care Unit Collaboration and Workflow in the Information Age. In De Georgia, M. and Loparo, K. (Eds). *Neurocritical Care Informatics*. Springer. pp. 173-179. DOI 9783-662-59307-3_9

Rogers, ML, Patterson, ES, Render, ML. (2011, 2nd Ed). Cognitive Work Analysis In Health Care. In P. Carayon (Ed.). *Handbook Of Human Factors And Ergonomics In Health Care And Patient Safety*. Lawrence Erlbaum Associates. pp. 465-474.

Rogers, ML, Patterson, ES, Chapman, RJ, Render, ML. (2005). Usability Testing and the Relation of Clinical Information Systems to Patient Safety, In Henriksen, K, Battles, JB, Marks, E, Lewin, DI, Eds *Advances in Patient Safety: from research to implementation*. Volume 2, AHRQ Publication Nos. 050021 (1-4). February 2005. Agency for Healthcare Research and Quality, Rockville, MD. pp. 365-378.

Refereed Posters:

Multak, NL.*, Khazraee, E*, **Rogers, M,** & Dalrymple, P. (2013) "Implementing an Open Source EMR in a Nursing Informatics Course" *Poster presented at the iConference 2013*, Fort Worth, Texas.

Dalrymple, P., **Rogers, M.**, and Zach, L. (2012). Investigating patient engagement with health information on the Internet: lessons learned from a text-based intervention at an urban Federally Qualified Health Center. *Poster presentation at the Health Literacy 4th Annual Conference*. Bethesda, MD, October 22-23, 2012.

Dalrymple, P., **Rogers, M.**, and Zach, L. (2011, Oct), eHealth literacy and patient engagement in an urban Federally Qualified Health Center: An exploratory study. *Poster presentation at the 3rd Annual Health Literacy Research Conference (HARC III)* sponsored by the National Center on Minority Health and Health Disparities (NCMHD) and the Agency for Healthcare Research and Quality (AHRQ). Chicago, October 17-18, 2011.

Townes, A.* & **Rogers, M.** (2011) Assessing Health Information Websites For Inclusion of Web 2.0 Features. *Poster presented at the 14th International Conference on Human-Computer Interaction*. Orlando, FL. pp. 458462 *

Dalrymple, P., Zach, L., and **Rogers, M.** (2010). Re-visiting the digital divide: Health information seeking in a pre-natal program in a minority urban health center. *Poster presentation at the annual meeting of the American Society for Information Science and Technology (ASIST)*, Pittsburgh, Pennsylvania.

Dalrymple, P., Zach, L., and **Rogers, M.** (2010). Using Text Messaging to Foster the Development of Long-Term Health Literacy Skills. *Poster presentation at the Health Literacy 2nd Annual Conference (HARC II)* sponsored by the National Center on Minority Health and Health Disparities (NCMHD) and the Agency for Healthcare Research and Quality (AHRQ). Bethesda, MD, October 18-19, 2010.

Rogers, M., Zach, L., and Dalrymple, P. (2010). Understanding How Vulnerable Populations Use Common Information and Communications Technologies (ICTs) to Access Health Care Information. *Poster presented at the iConference 2010*, University of Illinois, Urbana-Champaign, IL.

Zach, L., **Rogers, M.**, & Dalrymple, P. (2009). Investigating the Impact of Information and Communications Technologies (ICTs) on the Delivery of Health Care Information to Vulnerable Populations. *Poster presented at ASIST SIG-SI workshop 11/09*, Vancouver, Canada.

Rogers, M., Shank, M & Render, ML. (2003) "Cognitive task analysis of medication administration in a pediatric hospital." *Poster presented at the 5th International Conference on the Scientific Basis of Health Services*. September 20-23, 2003. Washington, DC.

Rogers, M & Flatley-Brennan, P. (2000) "A study of the impact of email use on-nursing practice" *Poster presented at the American Medical Informatics Assoc. Annual Symposium*, Los Angeles, CA.

Rogers, M. & Jones, J. (1999, July). "Comparison of World Wide Web Navigation Strategies using Television and Computer Platforms". *Poster presented at the National Aeronautic Space Association (NASA)/GEM Technical Symposium*, West Palm Beach, FL.

INVITED TALKS, PANELS & PRESENTATIONS

Ifill, V., **Rogers, M.**, Allen-Handy, A., Schaar, R., & Cameron, T. (2023, July). "Dancing into STEAM". PEF Afterschool STEM Fellows Workshop. PEF Afterschool STEM Fellows Program. Philadelphia, PA.

Schaar, R., **Rogers, M.** Ifill, V., Allen-Handy, A., (2023, June) “Making Space for Black Girls: Embodied Learning in a Trans-disciplinary Community” Workshop presentation at the Georgia Institute of Technology GoSTEAM Summer Symposium.

Ifill, V., Schaar, R., Allen-Handy, A., **Rogers, M.** Black Girls Create: Supporting Multi-media Art Making through an After School Program. (2022, July) Paper presentation at the annual National Dance Educators Organization Professional Development Conference. Virtual.

Kennedy, A., Lewis, C. M., Pérez-Quñones, M. A., **Rogers, M.**, Tamer, B., & Tychonievich, L., How and Why to Create a Departmental BPC Plan. (2022, March). In Proceedings of the 53rd ACM Technical Symposium on Computer Science Education V. 2 (pp. 1059-1060).

Schaar, R., Allen-Handy, A., **Rogers, M.**, Ifill, V., (2020, April). “Supporting African American girls STEAM identities and positive self-concept through dance, design, and coding”. Paper accepted at the American Education Research Association Conference, San Francisco, CA. (Conference cancelled due to COVID-19 Pandemic)

Allen-Handy, A., Ifill, V., Schaar, R., & **Rogers, M.** (2020, April). “Dancin’, steamin’, and dreamin’: How Black girls negotiate identity and future selves in a dance infused STEAM after school program.” Paper accepted at the American Education Research Association Conference, San Francisco, CA.(Conference cancelled due to COVID-19 Pandemic)

Rogers, M., Allen-Handy, A., Schaar, R., & Ifill, V., (2019) “Black Girls STEAMing Through Dance, Drexel University Expressive and Creative Interaction Technologies” STEAMshop Symposium, Philadelphia, February 18, 2019

“The Impact of Human Factors on the Diagnostic Process” 10th Annual Quality Retreat – Misdiagnosis: The new frontier of Patient Safety. Aria Jefferson Health. October 7, 2016.

“The Potential for Smartphones and Health Apps to address health disparities.” Health on the Go: the Law and Business of mHealth Conference. Drexel University School of Law Philadelphia, PA., April 4 2014.

“Understanding the Impact of Health Information Technology on Clinical Work Processes” 108th Annual Meeting of the AAA - Session Title: How Anthropology Can Help End Healthcare as We Know It: Practicing Anthropology in (and on) the Medical System. Philadelphia, PA., December 2009.

Using Barcode Technology To Improve Medication Safety: Opportunities and Pitfalls Panel. American Medical Informatics Association (AMIA) Annual Symposium Washington, DC. November 14, 2006

Maryland Patient Safety Center Emergency Department Collaborative Expert Panel Sponsored by the Delmarva Foundation. Baltimore, MD. October 4th, 2005.

GlaxoSmithKline Innovative Leadership series Sponsored by the American Society of Health-System Pharmacists. New Orleans, LA. December 7, 2003.

Addressing Harm with High Risk Drug Administration – A Third Invited Conference

Sponsored by the Alaris® Center for Medication Safety and Clinical Improvement. Stanford, CA. November 6-7, 2003.

The Women of Color in the Academy Project Research Conference

Encouraging academic excellence? Women of Color in the College of Engineering. An initial analysis of the performance and experience of undergraduate and graduate students, Ann Arbor, MI. January 1996.

RESEARCH GRANTS & FUNDED AWARDS

EXTERNAL GRANTS

- Allen-Handy, A., Ifill, V., **Rogers, M.**, Schaar, R. STEAMing through Dance: A Multimodal Exploration of Black Girls Intersectional Identities and STEAM Literacies in a STEAM Counterspace. Spencer Foundation. **My Role:** Co-PI Amount: \$341,606. Dates: 03/31/2024- 03/30/2027.
- **Title:** Intergovernmental Personnel Act (IPA) Source: National Science Foundation (NSF); **My Role:** Program Officer (PO): Amount: \$ 377,682; Dates: 09/28/2020- 09/14/2022.
- **Title:** EAGER: STEM NOLA: Building and Implementing an Authentic Community-Based STEM Program. Source: NSF Proposal #1936668; My Role: Co-PI; PI: Adrienne D. Dixson (University of Illinois - UIUC); Amount: \$299,836; Dates: 08/08/2019- 05/30/2021
- **Title:** CyberCorps Mentoring and Scholarship Program (CMSP) Source: NSF Proposal #1922202; **My Role:** Co-PI; PI: Brian K. Smith (Drexel University); Amount: \$1,080,459; Dates: 8/1/2019- 06/30/2024
- **Title:** HBCU-Targeted Infusion Project (TIP): Computational Applications Research Engagement for Undergraduates (CARE-U). Source: NSF Proposal #1912011; **My Role:** Co-PI; PI: David Cooper (Cheyney University of Pennsylvania); Amount: \$199,948; Dates: 7/19/2019- 06/30/2020
- **Title:** Examining the effectiveness of Episurveyor to enhance an mHealth intervention combatting childhood obesity in a US low-income setting. Source: Robert Wood Johnson Foundation **My Role:** PI,. Amount: \$72,233. Dates: April 1, 2013 – March 31, 2014.
- Dalrymple, P. (PI), Increasing Parental Health Literacy to Optimize Pregnancy Outcomes. Project sponsor: National Network of Libraries of Medicine (Mid-Atlantic Region), **My Role:** Co-PI; \$29,711. Funding period: April 1, 2010 – March 31, 2011.
- Rogers, M. L. (PI), Tracking Observations of Everyday Living with Smart Phones. Project sponsor: Nokia Corporation, **My Role:** PI; \$10,877 EUR [\$13,317 US]. Funding period: September 20, 2010 – June 30, 2011.

INTERNAL GRANTS

- **Title:** Black Girls STEAMing through Dance. Source: U.S. Department of Education West Philadelphia Promise Neighborhood Grant. **My Role:** Co-PI; PI: Ayana Allen-Handy (Drexel University). Amount: \$25000; Dates: July 2019 – June 2020; Renewed annually until 2023
- **Title:** Black Girls STEAMing through Dance: Examining STEAM Literacies, STEAM Identities, and Self-concept. Source: ExCITe Center at Drexel University SEED funding. **My Role:** Co-PI; Project Team: Ayana Allen-Handy, School of Education, Policy, Organization, & Leadership; Valerie Ifill, Westphal College of Media, Arts, and Design - Performing Arts, Dance; Raja Schaar, Drexel University Westphal College of Media, Arts and Design - Product Design; Amount: \$5000; Dates: July 2017 – June 2018
- **Title:** A Free Repository of Material Things: A Next-Generation Information Ecology for Drexel Researchers. Source: ExCITe Center at Drexel University SEED funding. **My Role:** Co-PI; Project Team: Mick Khoo (Department of Informatics); Verena Paepcke-Hjeltness, Department of Fashion, Product Design, Design and Merchandising. Amount: \$5000; Dates: July 2014 - June 2015
- 2009 Drexel University Career Development Award (\$7400) – Source: Drexel University Office of Faculty Development and Equity. **My Role:** PI; Dates: Summer 2009

PROFESSIONAL ACTIVITIES

Journal Reviews

*- Denotes multiple reviews for the journal

Applied Clinical Informatics (ACI)*: 2009 - present

Applied Ergonomics*: 2010- present

Health Research Policy and Systems*: 2010 - 2017

Human Factors Journal*: 2016 - Present

IEEE Transactions on Systems, Man and Cybernetics, Part A

International Journal of Human-Computer Studies (IJHCS)

International Journal of Medical Informatics (IJMI)*: 2009 – present

Journal of Medical Internet Research (JMIR)*: 2013 – 2017

Journal of Medical Systems*: 2010 - present

Journal of the American Medical Informatics Association*: 2006 - present

Journal of the American Society for Information Science and Technology (JASIST)*: 2009 - present

National Service

Reviewer, National Science Foundation panels (2017-2020)

Member, Health Information Technology (HITR) Study Section. Agency for Health Care Research and Quality. 2016-2019.

Member, Institute of Medicine (IOM) committee on Diagnostic Error in Medicine (2014 – 2015)

Participant, Agency for Healthcare Research and Quality and the National Science Foundation Workshop on Industrial and Systems Engineering and Health Care: Critical Areas of Research, September 21 – 22, 2009

Professional Leadership Activities

- Executive Leadership in Academic Technology, Engineering And Science (ELATES) Fellow (Class of 2022)

- Citizenship Project at Drexel University, Faculty Associate (2016-2017)
- Community College of Philadelphia's Computer Technologies Department's Advisory Committee (1/2015 – 2020)
- State Senator Anthony H. Williams Mobile Application Design Competition Judge (2/27/15 - 6/10/15)
- Human Factors and Ergonomics Society - Annual Meeting Workshops Chairperson (2004 - 2013), Healthcare Technical Group Newsletter chairperson (2008-2009); Healthcare Technical Group chairperson (2013-2015)
- Member of the Ergonomics and Health Aspects of Work with Computers Program Board for the HCI International 2009 & 2011 Conferences
- National Society of Black Engineers – Engineer for a Day Chairperson (2003 – 2007); Chapter Treasurer (1997 – 1998); Philadelphia Alumni Professionals Chapter Parliamentarian (2016 - present)
- Science & Engineering Education Scholars Program (SEESP) Participant (2000)
- Chairperson, 12th Annual National Black Graduate Student Conference Planning Committee (2000)
- Pre-College Mini-conference Chairperson, National Society of Black Engineers – 1996 National Convention Planning Committee

Current Professional Memberships *(Post-tenure)*

- Human Factors and Ergonomics Society (HFES)
- National Society of Black Engineers (NSBE) Greater Philadelphia Professionals

Media Mentions *(Post-tenure)*

“In a sea of mobile health devices, how do we know which ones are most effective?”. (Taunya English, *The Pulse* on WHY, April 10, 2014. <https://why.org/segments/in-a-sea-of-mobile-health-devices-how-do-we-know-which-ones-are-most-effective/>).