**Patricia Lombard Mabry, Ph.D.**

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February 13, 2019

**EDUCATION:**

**Postdoctoral Fellowship in Clinical Psychology**

Medical University of South Carolina

1998

**Internship in Clinical Psychology**

Medical University of South Carolina

1997

**Ph.D. in Clinical Psychology** –1996

University of Virginia

1996

**M.A. in Psychology**

George Mason University

1991

**B.S. in Accounting**

Virginia Polytechnic Institute and State University (Virginia Tech)

1985

**RELEVANT WORK EXPERIENCE**

**Research Investigator** February 2019 - present

HealthPartners Institute

Minneapolis, Minnesota

Current research activities; for further details see section titled, EXTRAMURAL RESEARCH GRANT EXPERIENCE.

1. Dr. Mabry is currently a **Co-Project Director** on a two-year grant awarded by the U.S. Institute for Museum and Library Services (IMLS). The project is building a sustainable, cloud-based research asset and data sharing platform, designed for academic libraries and their researcher patrons while also incubating a vibrant user community.
2. Dr. Mabry is **a Co-Investigator** on an NIH R01 grant application led by Dr. Mike Maciosek (PI) of HealthPartners Institute (submitted February 2019). The proposed project will develop a simulation model to explore how state and national tobacco control policies aimed at reducing combustible cigarette use ultimately impact population health and costs. An important aspect of the model is to explore how these policies could affect the use of electronic nicotine delivery devices (aka, electronic cigarettes), potentially conveying additional harms.
3. Dr. Mabry is the **lead investigator (PI)** on a grant application under development for Spring 2019 submission to the National Institutes of Health (R01) or the National Science Foundation. The project will bridge social network theory, network science, and deep learning to uncover key insights about how scientific collaboration and coauthorship contribute to success of biomedical research workforce members. In particular, the goal is to detect patterns in the evolution of grant collaboration networks and coauthorship networks that result in “K to R transition”. That is, the project will identify complex pathways by which those who were successful in competing for an NIH K (Career Award) are able to succeed in obtaining NIH R01 support. The broader impacts of this work lie in the potential to identify targets for early career intervention in service of developing and retaining a fruitful, diverse workforce.
4. Dr. Mabry is at the nascent stages of conceiving of a project to develop a simulation model to understand colorectal cancer screening uptake. The goal of the project would be to obtain actionable insights about which strategies would most effectively (and affordably) increase colorectal cancer screening participation among the general population and hard-to-reach subpopulations.

**Adjunct Faculty** January 2019 - present

School of Informatics, Computing, and Engineering (SICE)

Indiana University

Bloomington, Indiana

**Senior Research Scientist** (non-tenure track); October 2015- present

Indiana University Network Science Institute (IUNI)

School of Public Heath Bloomington

Indiana University

Bloomington, Indiana

**Executive Director**, October 2015 – June 2018

Indiana University Network Science Institute (IUNI),

Indiana University

Bloomington, Indiana

Noteworthy accomplishments:

* **Played a central role in IUNI renewal,** demonstrating the value of IUNI to upper administration and external reviewers, resulting in a five year commitment of $5.25M dedicated internal funding for IUNI following the initial three-year funding period.
* **Oversaw and participated in the submission of 64 grant applications totaling over $114M**, during Dr. Mabry’s first 24 months as ED; 50 were submitted to external funding agencies. 31 awards totaling $41.4M were made, of which 22 ($34.3M) were from outside IU. For the specific applications Dr. Mabry worked on see grants section below.
* **Responsible for all financial aspects of the $2.3M/year IUNI budget** including requests from faculty for resources (e.g., IT resources, including staff time; sponsorship of activities; requests to develop training under IUNI brand; software and data purchases).
* **Founder *IUNI Open Science Forum.*** 2016.The purpose is an informal setting for IU faculty to present and discuss ideas related to their research in network science. Hosted 24 meetings to date.
* **Founder, *Multiomics* *Work Group***(30 faculty members). 2017-2018.The group is developing an NIH P01 Program Project grant focused on innovative new multilayer multiomics methods to understand the biological underpinnings of Alzheimer’s Disease (AD) through network science methods. Tentatively, four projects include: Early Detection and Prognosis, Environmental Modeling, Drug Discovery and Target Identification, Identification and Exploration of Shared Pathways for Cancer and Alzheimer’s Disease.
* **Founder, *Opioids Work Group*** (20 faculty and students across two campuses and Ohio State University). 2018. A future grant proposal to NIH and/or other funding agencies is planned.
* **Mentor for IUNI Research Scientists**; informal mentoring of network scientists in social science, mathematics, computer science.
* **Strategic coach, grant writer,** for IUNI faculty affiliates– see section on grant experience below.
* **Co-Project Director, Co-I on grant applications** – see section on grant experience below
* **Scientific publications, presentations,** and committees(see appropriate sections below for details).
* **Oversight of IUNI operations**, including: Research Scientist faculty (6), administrative (3) and IT staff (4). Developed mission statement, reports to external committees, drafted metrics for Institute success (for renewal), developed policies including data access policy for proprietary data.

**Senior Advisor for Disease Prevention**, March 2015 – October 2015

GS-601-15 (non-supervisory),equivalent to Full Professor with tenure\*

Office of Disease Prevention (ODP)

National Institutes of Health (NIH)

Bethesda, MD

\*The NIH uses an official job title of Health Scientist Administrator (HSA) for the GS-601 series. For academic rank equivalents see: <https://jobs.nih.gov/announcement-links/healthadministrator.htm>

Annual performance rating 5.0 out of 5.0.

The mission of ODP is to *improve the public health by increasing the scope, quality, dissemination, and impact of prevention research supported by the NIH.* ODP released its first [Strategic Plan](https://prevention.nih.gov/about/strategic-plan) in January of 2014. Dr. Mabry was charged with leading two of the six strategic priorities in the Strategic Plan (Strategic Priority 1 and 3), and reported directly to the ODP Director. Dr. Mabry participated in the hiring of nine ODP staff members.

Team lead, [Strategic Priority 1](https://prevention.nih.gov/docs/about/ODP_StrategicPlan2014-2018.pdf): (page 11 of the ODP Strategic Plan), ***Systematically monitor NIH investments in prevention research and assess the progress and results of that research****.* Dr. Mabry was responsible for overseeing all activities under this priority. Dr. Mabry led a team of six NIH staff and 15 contractors in developing a machine learning tool capable of objectively classifying the NIH prevention research grant portfolio on a number of dimensions of interest. Activities contributing to the development of the Prevention Portfolio Analysis Tool included:

* **Development of a taxonomy for prevention science** consisting of approximately 140 non-mutually exclusive topics across categories such as study rationale, independent and dependent variables, population focus, study setting, study design and type of prevention research.
* **Development of a 25-page protocol** (instruction manual) for use by human coders to guide taxonomy classification decisions as they apply to NIH grant abstracts.
* **Development of a team-based coding approach** to classifying NIH grant abstracts. The approach involves a coding team of three and a validation team of three to ensure reliable, accurate and standardized coding in keeping with the protocol
* **Recruiting, hiring, and directing work assignments** of six NIH and 15 contract staff to code grant abstracts, and support associated activities as detailed below.
* **Development of and piloting 10-week training program for coders**, including the development of training and test materials, training videos, and threshold criteria for coding proficiency.
* **Development of system requirements and specifications** for the Prevention Abstract Classification Tool (PACT), a custom computer software tool, built by a contractor, that was designed to facilitate team coding of abstracts, capture and archive coding data, calculate statistics on inter-rater reliability (modified Kappa) and provide quality control reports.
* **Development of a quality control process** to ensure accurate coding including adaptation of a modified Kappa statistic as a measure of inter-rater reliability for coding based on a taxonomy with a complex data structure
* **Collaborating with the NIH Office of Portfolio Analysis.** The ODP team worked with the OPA team to develop specifications for the OPA-authored algorithms that determined how to capture data from manually coded grant abstracts which were to serve as “gold standards” for the *Prevention Portfolio Analysis Tool (P-PLT)*. Machine-learning was used to derive algorithms from the “gold standards” which will be used to drive P-PLT coding of abstracts. Thousands of manually coded grant abstracts were needed.
* **Presenting interim (work-in-progress) updates on the progress of the project** in a variety of forums including ODP staff meetings, NIH Portfolio Analysis Poster Meeting, NIH Prevention Research Coordinating Committee meetings, and at the NIH National Heart Lung and Blood Institute’s “Information Technology Show and Tell” meeting.
* **Sharing work-in-progress and methodology** with staff across NIH who want to emulate the taxonomy development, team-based coding approach, PACT and/or P-PLT tools. This includes having NIH staff come to observe our unique team-based coding approach and software utilization.
* **Promote team achievements and report on progress** by working with ODP communications staff (e.g., ensuring that team updates and milestones are posted to the ODP website, included in the monthly report to the NIH Director and newsletters,).
* **ODP representative** to the NIH Research, Condition, and Disease Categorization (RCDC) Fingerprint Maintenance Workgroup: Prevention Research category. 2014-2015.
* **Member,** NIH Portfolio Analysis Interest Group (PAIG).

Team lead, [Strategic Priority 3](https://prevention.nih.gov/docs/about/ODP_StrategicPlan2014-2018.pdf): (page 15 of the ODP Strategic Plan) ***Promote the use of the best available methods in prevention research and support the development of better methods****.* Dr. Mabry led a team of 7 NIH staff and 2 contractors in support of this priority. Activities included:

* **Development of publication standards for reproducibility.** Dr. Mabry was a member of the Transparency, Openness and Reproducibility (TOP) Guidelines Committee, working as a member of its Analysis Reporting Standards Work Group to draft author guidelines for reproducibility designed for adoption by scientific journals. The guidelines and an associated commentary have been provisionally accepted for publication by Science.
* **Development of a survey and electronic rolodex to capture methodological expertise.** The survey asks respondents (prevention researchers) to identify their skill level across a broad range of methodological and content areas. Survey data populates a custom software tool developed by the contractor according to team specifications. This “electronic rolodex” allows NIH Scientific Review Officers (SROs) to strengthen the quality of NIH reviews by facilitating identification of methods experts appropriate to serve as grant reviewers.
* **Development of case studies** to illustrate the conflict of interest policies established by the NIH Office of Extramural Research. The case studies will be used by NIH Center for Scientific Review to train Scientific Review Administrators. Dr. Mabry directed another team member in this activity.
* **Identifying methods-focused NIH Funding Opportunity Announcements** relevant to prevention research. FOAs focused on the development or adaptation of new methods, including measures, research designs, and/or analytic methods and tools, as well as training focused initiatives in any of these areas were selected. The list has been posted to the ODP website to aid grant applicants. Dr. Mabry directed other team members in this activity.
* **Development of Best Practices for Simulation Model Building, Validation, and Reporting in the Behavioral and Social Sciences.** This is a trans-NIH activity (OBSSR, lead) that emanated from a proposal Dr. Mabry developed at OBSSR which was approved during her tenure there. Dr. Mabry is a member of the planning committee that will convene a workshop on this topic in September 2015.
* **Member of the trans-**[**NIH Big Data to Knowledge (BD2K)**](http://bd2k.nih.gov/) **Executive Committee**.
* **Development of a trans-NIH Funding Opportunity Announcement** to encourage the development of methods to support research in prevention science as well as the behavioral and social sciences (under development).
* **Oral presentations** in a variety of forums in order to educate NIH staff and extramural scientists in the use of research methods or related topics (see presentations section).
* **Authoring scientific articles** relevant to research methods (see publications section).

**Acting Deputy Director**,GS-601-15 (supervisory) equivalent to Full Professor with tenure\*, 2013 – 2014

**Senior Advisor**,GS-601-15 (non-supervisory) equivalent to Full Professor with tenure\*, 2009 – 2014

**Health Scientist Administrator**,GS-601-14, equivalent to Associate or Full Professor with tenure\* 2007- 2009; tenure status conferred November 2008.

**Health Scientist Administrator,** GS-601-13, equivalent to Assistant or Associate Professor\* 2005 –2007

Office of Behavioral and Social Sciences Research (OBSSR)

National Institutes of Health (NIH)

Bethesda, MD

Annual performance rating 5.0/5.0 every year for 8 years**.**

\*The NIH uses an official job title of Health Scientist Administrator (HSA) for the GS-601 series. For academic rank equivalents see: <https://jobs.nih.gov/announcement-links/healthadministrator.htm>

The mission of OBSSR is to *support and facilitate inter- and trans-disciplinary research, and the integration of biological, behavioral, social, and population sciences to improve public health*. Dr. Mabry occupied a high-level generalist position within the office and was granted considerable autonomy to initiate and develop outreach, education, and programmatic activities in support of the Office and agency missions. There was a strong emphasis on collaborating with other NIH entities, other federal agencies, and non-governmental organizations. While maintaining close ties to the BSSR investigator community was essential, a hallmark of this position was the importance of also fostering relationships across disciplinary boundaries (e.g., with experts from physics, computer science, engineering, mathematics). In this position, Dr. Mabry dedicated herself to the pursuit of activities that work synergistically to facilitate and encourage the emergence of a new field in which behavioral and social science intersect with systems science and health. In doing so, she became a key leader at NIH in this area.

***Highlights at OBSSR:***

**Acting Deputy Director, duties.** Represented OBSSR at high level NIH meetings, conducted regular progress meetings and annual performance reviews with supervisees, intervened when necessary to address staff performance issues, reviewed and approved manuscripts and presentations authored by supervisees, approved travel and time off requests, reviewed and approved budgetary requests, assigned staff to represent OBSSR at meetings and on committees, drafted controlled correspondence (i.e., correspondence with the NIH Office of the Director and Congress, among others), and, in conjunction with the OBSSR Director, set the course for the scientific direction of the office. Made staffing decisions and participated in all phases of bringing on new talent including recruitment, candidate selection, interviewing, and negotiating compensation packages. Dr. Mabry was the hiring manager for a Medical Officer and a Health Scientist Administrator (GS-14).

**OBSSR “systems science” activities.** “Systems science” is an umbrella term that refers to a variety of methodologies that are designed to: 1) illuminate the big picture of a system while also understanding the components of the system; 2) understand the dynamics of a system including time delayed effects, non-linearity, threshold behavior, emergent properties, bi-directional relationships (aka feedback loops). Specific methods including (but not limited to), agent-based modeling, microsimulation, system dynamics modeling, network analysis, discrete event analysis, Markov modeling, many operations research and engineering methods, and a variety of other mathematical/computational modeling and simulation approaches. Dr. Mabry led the systems science activities for the Office, which involved identifying particular needs of the investigator community and NIH staff, conceptualizing, planning, and prioritizing initiatives to meet these needs in a timely and cost efficient manner, developing budgets for the initiatives and the accompanying oral and written justifications, identifying and engaging potential funding partners within and outside of NIH, and implementing the selected initiatives. Another key aspect of the job was to communicate with the BSSR community via oral presentations and publications about the nature and value of systems science and interdisciplinary/transdisciplinary research – see relevant sections of CV below.

**Institute on Systems Science and Health (ISSH).** Dr. Mabry led the conceptualization, design, development, and production of the[*Institute on Systems Science and Health*](http://obssr.od.nih.gov/training_and_education/issh/index.html) *i*n collaboration with Centers for Disease Control and Prevention (CDC), an annual event from 2009-2012. ISSH is a week-long course for extramural researchers of all levels, designed to help them learn the basics of a particular systems science methodology (agent-based modeling, system dynamics modeling, or network analysis) through small group hands-on learning, plenary sessions, and professional networking opportunities. Dr. Mabry partnered with a different academic program each year to host ISSH: the University of Michigan (2009), Columbia University (2010), the University of Pittsburgh (2011), and Washington University in St. Louis (2012). ISSH was not held in subsequent years due to changes in the NIH conference policy. A permanent archive of online resources, including videocasts, slides, lecture notes, exercises, and bibliographies is available for use by ISSH alumni and the general public. Collaboration among all attendees (faculty, speakers, and participants) is encouraged through the use of online tools following the event. Dr. Mabry was Chair of the ISSH Steering Committee, which was responsible for annual site selection, faculty selection, course architecture and production. She was also the Project Officer (aka Contracting Officer’s Representative) responsible for overseeing the logistical contractors, budget development, and ultimately the success of the ISSH.

**Symposia Series on Systems Science and Health.** After identifying a need for increased awareness of systems science methodologies in the behavioral and social science research community, Dr. Mabry partnered with Dr. Bobby Milstein at CDC to identify speakers, and co-produce the videocast and podcast production of a four-part lecture series. The result is an on-demand video primer on systems science (8 hours of total content) entitled*, 2007 Symposia Series on Systems Science and Health*. The series has been widely disseminated with over 25,000 documented viewings from over 60 countries to date.

*Systems Methodologies for Solving Real-World Problems: Applications in Public Health*[Videocast and Podcast](http://videocast.nih.gov/launch.asp?13712)

*Network Analysis: Using Connections and Structures to Understand and Change Health Behaviors* [Videocast and Podcast](http://videocast.nih.gov/launch.asp?13878)

*Agent Based Modeling: Population Health from the Bottom Up*

[Videocast and Podcast](http://videocast.nih.gov/launch.asp?13931)

*System Dynamics Modeling: Population Flows, Feedback Loops and Health*

[Videocast and Podcast](http://videocast.nih.gov/launch.asp?14005)

**Trans-NIH Funding Opportunity Announcements (FOAs) issued by OBSSR.** Dr. Mabry led the conceptualization and drafting of the following OBSSR-issued FOAs and served as the primary point of contact for grant applicants for the office on these initiatives. She also identified grant applications under these FOAs for which OBSSR could offer co-funding to NIH Institutes and Centers.

[RFA-OD-13-009](http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-009.html) *Short Courses on Innovative Methodologies in the Behavioral and Social Sciences (R25); 2013.*

[PAR-11-314](http://grants.nih.gov/grants/guide/pa-files/PAR-11-314.html)/[315](http://grants.nih.gov/grants/guide/pa-files/PAR-11-315.html) *Systems Science and Health in the Behavioral and Social Sciences (R01/R21); 2011-2014.*

[PAR-08-224](http://grants.nih.gov/grants/guide/pa-files/PAR-08-224.html), *Using Systems Science to Protect and Improve Population Health* (R21); 2008-2011.

[RFA RM-07-004](http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-07-004.html), *Facilitating Interdisciplinary Research via Methodological and Technological Innovation in the Behavioral and Social Sciences (R21); 2007-2008.*

[PAR-08-201](http://grants.nih.gov/grants/guide/pa-files/PAR-08-201.html)/[PAR-08-202](http://grants.nih.gov/grants/guide/pa-files/PAR-08-202.html) *Technological Innovations for Interdisciplinary Research Incorporating the Behavioral and Social Sciences* (STTR [R41/R42]; SBIR [R43/R44]); 2008-2009.

[PAR-10-145](http://grants.nih.gov/grants/guide/pa-files/PAR-10-145.html)/[PAR-10-146](http://grants.nih.gov/grants/guide/pa-files/PAR-10-146.html), *Social Network Analysis and Health (R01, R21); 2008-2011.*

[PAR-08-212](http://grants.nih.gov/grants/guide/pa-files/PAR-08-212.html)/[PAR-08-213](http://grants.nih.gov/grants/guide/pa-files/PAR-08-213.html)/[PAR-08-214](http://grants.nih.gov/grants/guide/pa-files/PAR-08-214.html)*, Methodology and Measurement in the Behavioral and Social Sciences* (R01, R21, R03); 2010-2011. Note: Dr. Mabry did not contribute to the development of this FOA; rather the responsibility for managing OBSSR’s participation in this initiative was transferred to her from another staff member in 2010. Responsibilities included responding to applicant inquiries and identifying applications on which OBSSR could offer cofounding to NIH Institutes and Centers. In addition, Dr. Mabry analyzed the funding and review record of applications received under this FOA, and produced an internal report assessing the value of renewing the FOA.

**Creating publication outlets for systems science.** Dr. Mabry was the Guest Editor (with Bobby Milstein) of a special issue of Health Education and Behavior entitled, *Systems Science Applications in Health Promotion and Public Health,* publication date: October 2013. The Call for Papers resulted in 45 inquiries and 34 submitted manuscripts. 26 were selected for peer-review and 10 were selected for publication. This activity involved selection of co-guest editor and guest editorial board (GEB), development of call for papers, fielding of inquiries from authors, screening of manuscripts to determine which ones would proceed to full review, identification and selection of reviewers, comprehensive reading of all 75 reviews, leading meeting of the GEB to select papers to be published, communication with authors regarding reviews and publication status, co-authoring two papers to frame the special issue. Dr. Mabry also was the Guest Editor of several other journal special issues devoted to systems science – see section entitled “Editorial Positions” below.

**Trans-NIH FOA’s issued by NIH Institutes and Centers (ICs).** Dr. Mabry secured OBSSR’s participation in the following IC-issued FOAs and served as the primary point of contact for grant applicants for OBSSR on these initiatives. She also identified grant applications under these FOAs for which OBSSR could offer co-funding.

[RFA-GM-14-011](http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-14-011.html) *Modeling the Scientific Workforce* (U01). This is a reissue of [RFA-GM-11-007](http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-007.html). OBSSR joined this RFA to support a cooperative agreement to develop a mathematical model of the behavioral and social science research workforce in particular.

[RFA-HG-13-009](http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-13-009.html) *Centers of Excellence for Big Data Computing in the Biomedical Sciences (U54)*. Part of the NIH Big Data to Knowledge (BD2K) initiative.

[PAR-11-203](http://grants.nih.gov/grants/guide/pa-files/PAR-11-203.html) *Predictive Multiscale Models for Biomedical, Biological, Behavioral, Environmental and Clinical Research (Interagency U01)*; 2011-2014*.*

[PA-11-087](http://grants.nih.gov/grants/guide/pa-files/PA-11-087.html)/[88](http://grants.nih.gov/grants/guide/pa-files/PA-11-088.html)/[89](http://grants.nih.gov/grants/guide/pa-files/PA-11-089.html) *Research on Alcohol-Related Public Policies Such as Those Detailed in the Alcohol Policy Information System (R01)*; 2011-2014*.*

[PAR-10-235](file:///%5C%5Ciuni-neptune%5CIUNI%5CPersonal%5CDocuments%20and%20Settings%5Cmabryp.NIH%5CDesktop%5CClimate%20Change%20and%20Health%3A%20Assessing%20and%20Modeling%20Population%20Vulnerability%20to%20Climate%20Chhttp%3A%5Cgrants.nih.gov%5Cgrants%5Cguide%5Cpa-files%5CPAR-10-235.html), *Climate Change and Health: Assessing and Modeling Population Vulnerability to Climate Change (R21)*; 2010-2013*.*

[PAR-10-280](http://grants.nih.gov/grants/guide/pa-files/PAR-10-280.html) *The Global Research Initiative Program for New Foreign Investigators – Behavioral and Social Sciences (GRIP-BSS;* R01), (issued by FIC)*.*

NSF Solicitation [12-499](http://www.nsf.gov/pubs/2012/nsf12499/nsf12499.htm) *Core Techniques and Technologies for Advancing Big Data Science & Engineering (BIGDATA)*.

[PA-10-106](http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html), *Scientific Meetings for Creating Interdisciplinary Research Teams (R13)*; 2010-2013*.*

[RFA-HD-10-001](http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-001.html) *Systems-Oriented Pediatric Obesity Research and Training (SPORT) Center of Excellence (U54); 2010-2011.*

**Authoring publications and presentations** related to OBSSR’s mission; for details, see “Publications” and “Presentations” sections.

**NIH BSSR-Systems Science Listserv** In attempting to build a sense of community and shared understanding in the interdisciplinary and emerging field of systems science, Dr. Mabry recognized the need for communication and cohesion. To address this need she assumed sole responsibility for the creation and deployment of the *NIH Behavioral and Social Sciences Research and Systems Science Listserv*. This included conceptualization, startup, subscription generation, communications vetting and posting, development of policies, and subscription management. The Listserv is an electronic communications forum for posting notices relating to the intersection of behavioral and social sciences research with systems science and health. It was conceived of as a way to rapidly develop a network of researchers to kick start this new field. The listserv was launched in October 2007; it currently has over 1200 subscribers.

**NIH Roadmap initiatives:**

* + Co-Chair (with Lisa Onken, NIDA), workshop for NIH extramural program and review staff entitled, *Behavioral Intervention Optimization: Capitalizing on Engineering, Computer Science and Technology.* Bethesda, MD, June 28, 2010.
	+ OBSSR representative to the *NIH Roadmap for Medical Research, Interdisciplinary Research Work Group* (IRWG), 2006-2010.
	+ Co-Chair (with Lisa Onken, NIDA), conference and grantee meeting, *Facilitating Interdisciplinary Research: Methodological and Technological Innovation in the Behavioral and Social Sciences.* Bethesda, MD, October 8-9, 2009.
	+ Co-Lead (with Eric “Rocky” Feuer, NCI) the trans-NIH workgroup, *Translating Research into Public Policy for Population Health* (TRIPP). The proposed Roadmap initiative made it to the final round of competition, but was not selected. 2007-2008.
	+ Co-Project Team Lead (with Lisa Onken, NIDA) for [RFA RM-07-004](http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-07-004.html), *Facilitating Interdisciplinary Research via Methodological and Technological Innovation in the Behavioral and Social Sciences (R21),* issued 2007.
	+ Chair, [*NIH Roadmap: Interdisciplinary Methodology and Technology Summit*](http://commonfund.nih.gov/interdisciplinary/summit0806/index.asp)*,* Bethesda, MD, August 21–22, 2006.

**Serving as OBSSR representative on other trans-NIH, trans-agency initiatives:**

* **Member,** [**NIH Big Data to Knowledge Program (BD2K)**](http://bd2k.nih.gov/)**, Full Working Group and Work Group on BD2K Centers** (2013 – 2014). The BD2K program is charged with 1) facilitating the broad use and sharing of large, complex biomedical data sets through the development of policies, resources and standards; 2) developing and disseminating new analytical methods and software; 3) enhancing training of data scientists, computer engineers, and bioinformaticians; and 4) establishing NIH Centers of Excellence to develop generalizable approaches that address important problems in biomedical analytics, computational biology, and medical informatics. Four BD2k work groups correspond to each of these areas: Resources and Standards Work Group; Analytic Methods and Software Work Group; Training Work Group; Centers Work Group. As of spring 2014, all BD2K activities fall under the responsibility of the NIH Associate Director for Data Science.
	+ **NIH Project Scientist and Member, Steering Committee, *Johns Hopkins Global Center on Childhood Obesity****,* 2011 – 2014. <http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-global-center-on-childhood-obesity> PI: Bruce Lee; Former PI: Youfa Wang, 1U54HD070725-01.
	+ **Member,** 2012 –2014. ***NSF-NIH Big Data funding team***. This is a partnership with NSF to fund grants coming out of *Core Techniques and Technologies for Advancing Big Data Science & Engineering (BIGDATA)* Program Solicitation [NSF 12-499](http://www.nsf.gov/pubs/2012/nsf12499/nsf12499.htm).
	+ **Member,** 2012. ***Data and Informatics Phenotypic Subgroup of the Advisory Committee to the NIH Director***.
	+ **Member,** 2011. ***mHealth Common Fund Concept Team, Data and Analysis Workgroup***.
	+ **Member, National Science Foundation, *Committee of Visitors***. This was an ad hoc subcommittee of the NSF Advisory Committee for the Social, Behavioral and Economic Sciences (SBE) Directorate. The group was charged with convening for a two-day period to review grant portfolios and other pertinent information in order to produce a written report assessing NSF’s performances in various areas related to programs within the Office of SBE Multidisciplinary Activities. Arlington, VA, December 15-16, 2011.

**Subject matter expert on modeling activities:**

* **Acknowledged in**: Hovmand, P.S. Community Based System Dynamics. Springer, 2014.
* **Acknowledged in:** Hall, K.D., Butte, N.F., Swinburn, B.A., & Chow, C.C. (2013). *Quantifying the Dynamics of Childhood Growth and Obesity.* Lancet Diabetes & Endocrinology.
* **System dynamics model of global tobacco control (“Endgame”).** Led by Scott Leischow (Mayo Clinic) 2012 - 2013.
* **A system dynamics model of risk factors for Cardiovascular Disease** (led by CDC) 2007-2008. These contributions are acknowledged in:

Homer J, Milstein B, Wile K, Trogdon J, Huang P, Labarthe D, Orenstein, D. [*Simulating and evaluating local interventions to improve cardiovascular health*](http://www.cdc.gov/pcd/issues/2010/jan/08_0231.htm)*.* Preventing Chronic Disease 2010; 7(1).

**Co-Chair Envision Modeling Network (2010-2014)**: Dr. Mabry and Dr. Regina Bures of the *Eunice Kennedy Shriver* National Institute on Child Health and Human Development (NICHD) co-directed a network of 11 research teams focused on modeling obesity policy. The purpose of the Envision Network was to compare and contrast mathematical and statistical models which differ in their methodological underpinnings and span an array of policy-relevant research questions related to obesity. [Envision](http://www.nccor.org/envision/) ran under the auspices of the [National Collaborative on Childhood Obesity Research](http://www.nccor.org/) (NCCOR).

**Developing outreach activities to grow the field of systems science:**

* **Chair, Tobacco Policy Modeling Meeting.** This meeting brought together representatives of several federal agencies with mathematical modeling experts and tobacco control experts to explore the potential for mathematical modeling to inform tobacco control policy and to develop recommendations for facilitating such work. Participating agencies and sponsors included OBSSR (lead organization, represented by Dr. Mabry), NCI, and the National Institute on Drug Abuse (NIDA), at NIH, and the Office on Smoking and Health (OSH) of the Centers for Control and Prevention (CDC), and the Center for Tobacco Products (CTP) of the Food and Drug Administration (FDA). January17-18, 2013. Bethesda, MD.
* **Member Program Planning Committee,** [2013 Annual Meeting of the American Academy of Health Behavior](http://www.aahb.wildapricot.org/), theme: *Systems Science and Analysis in Health Behavior Research*.
* **Member, Steering Committee, Advisory Committee, and Publicity Co-Chair,** [2013 International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction](http://sbp2013.org/) (SBP13).
* **Organizing Conference Chair**, [2011 Conference of the System Dynamics Society](http://www.systemdynamics.org/conferences/2011/index.htm), Crystal City, Virginia, July 24-28, 2011.
* **Conference Chair**, [2010 International Conference on Social Computing, Behavioral Modeling, and Prediction](http://sbp.asu.edu/sbp2010/sbp10.html) *(SBP10)*, Bethesda, MD, March 29-April 1, 2010. Dr. Mabry implemented several changes that are credited with tripling the size of this conference compared to the first two years the meeting was held (2008, 2009). Pre-conference tutorial sessions designed to impart attendees with the fundamental knowledge of a complimentary discipline were added (systems scientists learned about behavioral and social science and vice versa). In addition, the size and scope of the federal funding panel was expanded, the location moved to the NIH campus, and a cross-disciplinary roundtable exercise was added to promote networking across disciplines. Lastly, the conference announcement was distributed more widely than in previous years.
* **Symposium Co-chair**, [*Science in Motion: Addressing Complex Health Problems Through Upstream Solutions*](http://aaas.confex.com/aaas/2010/webprogram/Session1793.html) (with Dana Sampson and Christine Bachrach, OBSSR) at the [2010 AAAS Annual Meeting](http://www.aaas.org/meetings/2010/) themed, *Bridging Science to Society*. San Diego, CA; February 18-22, 2010. This symposium series demonstrated provided an introduction to systems science methodologies and showed how they could work in community-based research.
* **Workshop Co-Chair**, [*Systems Science Methodologies for Prevention Research*](http://methodology.psu.edu/spr2010systems) (with Elizabeth Ginexi, NIDA; Linda Collins, Penn State)*,* A day long preconference workshop presented at the [Society for Prevention Research18th Annual Meeting "Cells to Society: Prevention at All Levels"](http://www.preventionresearch.org/meeting.php). Denver, CO, June 1, 2010. This workshop was aimed at introducing the prevention research community to systems science methodologies. The co-chairs paired a systems scientist with a prevention researcher in each of four presentations, with each presentation featuring on a specific systems science methodology (agent based modeling, system dynamics modeling, network analysis, engineering optimization). The systems scientist covered the basics of the specific method, and was followed by a prevention researcher who presented a problem from prevention science which was suited to the selected methodology. Through an interactive discussion facilitated by the systems scientist, workshop attendees worked through how the methodology could be applied to the problem as a group exercise.
* **Discussant,** *The Application of System Sciences Methodologies to Prevention Research, Invited Symposium.* Presented at the [Society for Prevention Research18th Annual Meeting "Cells to Society: Prevention at All Levels"](http://www.preventionresearch.org/meeting.php). Denver, CO, June 2, 2010. Abstracts available on pp. 44-45 at <http://www.preventionresearch.org/Final_Press.pdf>. This symposium served as a complement to the previous day’s workshop by providing three case examples of systems science methodologies being applied to research questions relevant to prevention scientists.
* **Session Co-chair**,*Systems Science Plenary and Poster Session* (with Jennifer Urban, OBSSR)*.* Presented at the [Sixth Biennial Meeting of the Society for the Study of Human Development](http://www.sshdonline.org/meetings.htm), themed, Human Development: Earlier Influences on Later Life Outcomes; October 18-20, 2009. This plenary opened with a rationale for systems science methodologies by showing that a theoretical basis was already established in the literature. This was followed by a brief introduction to the methodology and an example of applying systems science to a developmental research question. The session concluded with a presentation of relevant NIH funding opportunities and programmatic interests. The plenary was followed by a poster session designed to show additional examples of systems science research, particularly those that addressed developmental questions, and to facilitate one-on-one discussions with presenters. The success of this session is indicated by the fact that Drs. Urban and Mabry were subsequently invited to serve as contributors and guest editors of a special issue of Research in Human Development devoted to systems science. Moreover, based on the interest generated by the session, SSHD designated “Developmental Systems Science” as the theme for their next biennial meeting (in 2011).
* **Workshop Co-Chair** [*First Annual Workshop on Dynamic Modelling for Health Policy: Obesity & Obesity Related Chronic Disease*](http://www.healthpolicymodellingworkshop.ca/images/FirstAnnualWorkshop/schedule%20v6.pdff) (with Nathaniel Osgood, University of Saskatchewan). Saskatoon, Saskatchewan, Canada; July 22-24, 2009. This conference targeted those interested in using modeling to inform health policy. The small size of the workshop and ample time for discussion allowed for an in depth exploration of the topic and fostered collaboration.

**Additional duties and accomplishments include**:

* + Filled three vacancies for scientific staff including one Medical Officer and one GS-14 Health Scientist Administrator (2013-2014).
	+ Supervised scientific staff of nine with diverse content area expertise: health disparities, demography, basic behavioral and social science research, community engaged research, mobile health technologies, developmental science, gene-environment interactions, diabetes education (2013-2014).
	+ Served as member of the *Healthy People 2020 Federal Interagency Workgroup, Objectives and Targets Subgroup*, 2009-2012. Workgroup was tasked with identifying acceptable methods for use in determining objectives and targets for HP2020.
	+ Mentored AAAS Fellows: Jennifer Urban, Tisha Wiley, Tia Zeno,
	+ Aided in preparing NIH reports to congress: Congressional Appropriations Committee Reports (CACR), Congressional Biennial Reports, Congressional Justification of budgets (CJ), Significant Items (ad hoc requests from Congress), Moyer Tables (2006-2009; report of spending on women’s health), Quarterly Reports to Congress. Specific examples: In 2008 prepared a “Program Portrait” for the Congressional Justification for FY12 budget request entitled, *Using Systems Science Methodologies to Address Pressing Public Health Problems.* In October 2012 prepared a “Program Portrait” for the Congressional Justification for FY14 budget request entitled, *Understanding the Exposome through Behavioral and Social Science*.
	+ Served as member of *Social Stratification and Social Gradient Concept Team,* 2010-2012. This trans-NIH work group has been developing a concept for funding from the *NIH Basic Behavioral and Social Science Opportunity Network* (OppNet). The team’s work resulted in a workshop in February 2011.
	+ Served as scientific advisor on temporary detail to the National Institute of General Medical Sciences (NIGMS). Provided expertise and responded to investigator inquiries regarding grants submitted to behavioral and social science topics under [RFA-OD-09-003, *NIH Challenge Grants in Health and Science*](http://www.nigms.nih.gov/Research/ChallengeAreas.htm)as part of the American Reinvestment and Recovery Act of 2009 (ARRA). Four topics were supported: 01-GM-101\*, *Individual-based Model of Social Behavior*; 01-GM-102, *Model Organisms for Social Behavior Studies*; 01-GM-103, *Formation and Evolution of Social Organization*; and 09-GM-101, *Mathematical and Computational Models for Health Disparities Studies*. 2009.
	+ Served as scientific advisor and liaison to the National Institute on Drug Abuse (NIDA) for a grant under [RFA RM-07-004](http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-07-004.html), *Facilitating Interdisciplinary Research via Methodological and Technological Innovation in the Behavioral and Social Sciences (R21).* The grant is #R21 DA024259-04, PIs: Vespignani, Borner, Sherman; entitled, *EpiC: A Cyberinfrastructure that Supports the Plug-and-Play of Datasets & Algorithms for Epidemic Research*. 2007-2011.
	+ Served as OBSSR Representative to the NIH Research, Condition, and Disease Categorization (RCDC) Fingerprint Development Workgroups: *Behavioral and Social Science*, and *Basic Behavioral and Social Science*. 2007-2008.
	+ Served as Technical Review Committee Member on various contract proposals to OBSSR (2006-2014).
	+ Served as OBSSR Liaison, NIH Coordinating Committee for Research on Women's Health (CCRWH); 2006-2009.
	+ Initiated, developed, and proposed SBIR contract topic that was accepted and published in the Small Business Innovation Research Program Contract Solicitation (Notice Number: NOT-OD-05-060; Release Date: August 4, 2005). Topic #226: *A Clinical Decision Support Tool to Promote Evidence-Based Screening and Intervention in Tobacco Users*. Served as the Project Officer for the contract awarded under this solicitation to Silver Chair Science and Communications, Inc. Contract # HHSN261200644004C, entitled: *QuitAdvisorMD: A PDA-based Clinical Assessment and Smoking Cessation Tool.* Served in this role 2006-2007.
	+ Participated in the development and writing of the OBSSR strategic prospectus (2006).

**Proposal Developer**, 2004-2005 (ad hoc work)

Centurion Technology, Inc.

Rockville, MD

Performed a variety of proposal development services for clients applying for grants; mostly Small Business Innovative Research (SBIR) grants and Small Business Technology Transfer Research (STTR) grants in the area of health behavior change. Services performed included: identifying appropriate funding mechanisms (e.g., SBIR vs. STTR, FASTRACK vs. traditional, contract vs. solicitation, identification of federal and nongovernmental grant programs outside of SBIR/STTR); identifying PAs and RFAs pertinent to client’s proposed project; literature searching and synthesis; investigative team development including identifying potential consultants and partners; full proposal writing; and budget development and preparation. See section on research grant experience.

**Behavioral Scientist,** 2004 – 2005

Science Applications International Corporation (SAIC-Frederick)

Under contract to Tobacco Control Research Branch

National Cancer Institute (NCI)

National Institutes of Health

Rockville, MD

Highlights:

* Conceived of and organized a workshop, *National Longitudinal Study on Tobacco Use and Quitting* which resulted in recommendations for a large, multi-pronged, longitudinal, naturalistic observational study. These recommendations ultimately set the stage for a collaborative contract solicitation issued by NIH’s National Institute on Drug Abuse (NIDA) on behalf of the FDA’s Center for Tobacco Products (CTP) in 2011 - RFP\_N01DA-11-5568 available at <https://www.fbo.gov/download/10b/10b4d3a40559dae42e5dd2a6267de3f9/RFP_N01DA-11-5568_.pdf>. Post-award, this is known as the Population Assessment of Tobacco and Health Study (PATH).
* Conducted secondary data analysis, authored scientific publications
* Served as a representative of NCI on national committees
* Provided consulting services to other agencies around tobacco cessation (e.g., Department of Defense, Department of Health and Human Services, Federal Occupational Health, Centers for Disease Control and Prevention)
* Developed tobacco cessation programs and services (e.g., a cessation program for DHHS employees; a web site, Smokefree.gov, which provides self-help resources to smokers wishing to quit)
* Provided internal review of research proposals and protocols (e.g., for the Division of Cancer Prevention)
* Collaborated with other NIH institutes and partners in academia on tobacco cessation studies

Dr. Mabry left this position on the best of terms and continued to collaborate with several members of the TCRB in her position at OBSSR.

**Behavioral Scientist,** 2002 –2004

Science Applications International Corporation (SAIC-Frederick)

Under contract to the Tobacco Intervention Research Clinic

National Cancer Institute (NCI)

National Institutes of Health

Rockville, MD

Managed all scientific aspects of the TIRC, including: Developing study concepts and research designs, establishing standard operating procedures; recruiting, hiring, and training and supervising staff, serving as Principal Investigator for clinical trials run at TIRC (i.e., studies of innovative, tobacco use interventions developed in collaboration with NIH intramural and extramural investigators); authored scientific publications and presentations.

Dr. Mabry vacated this position when a budgetary decision closed the TIRC. However, Dr. Mabry had developed a good relationship with the TCRB which sponsored the contract, and Dr. Mabry was retained under the contract in support of other branch activities (see preceding job description).

**Scientific Advisor,** via Intergovernmental Personnel Act (IPA) Agreement\*, 2001 – 2002

Tobacco Control Research Branch

National Cancer Institute (NCI)

National Institutes of Health

Rockville, MD

\*See: <https://hr.nih.gov/working-nih/ipa>

Assisted in developing data collection, analysis and reporting methods for evaluating the large initiative, *Transdisciplinary Tobacco Use Research Centers*; assisted in setting up tobacco use intervention research program; co-authored book chapter on smoking cessation in oncology textbook, and presented at national conferences.

This position was terminated when Dr. Mabry was hired by the same employer as a contractor (see preceding job description).

**Assistant Professor of Psychology,** Tenure-Track 2000 - 2002

**Instructor,** 1998 – 2000

Department of Psychiatry & Behavioral Sciences

Medical University of South Carolina (MUSC)

Charleston, SC

**Clinical Staff Psychologist,** 1998 - 2002

**Postdoctoral Fellow,** 1997- 1998

Department of Student Life

Counseling and Psychological Services (CAPS)

Medical University of South Carolina (MUSC)

Charleston, SC

At MUSC Dr. Mabry held a series of clinical and academic appointments starting with clinical intern (final year of Ph.D. requirement) and ending with Assistant Professor (tenure track).

Responsibilities: providing clinical services (psychotherapy, psychological testing), supervising clinical psychology interns; conducting research on health related behaviors (especially treating tobacco dependence; see presentations, publications and grant experience); providing classroom instruction to medical students regarding psychological aspects of medicine, including how to help patients stop smoking. Applied for a K07 on tobacco cessation intervention and ecological momentary assessment.

Dr. Mabry left this position to accept a position with the National Cancer Institute that had a greater emphasis on research.

**Research Scientist,** 1996-1997

Personal Improvement Computer Systems, Inc. (PICS)

Reston, VA

Managed outcome studies relating to hand-held computers and health behavior change, wrote NIH Small Business Innovative Research (SBIR) grant proposals, prepared manuscripts/reports, and participated in product development.

**Clinical Psychology Intern,** 1995 –1996

Department of Psychiatry & Behavioral Sciences

Medical University of South Carolina (MUSC)

Charleston, SC

* *Counseling and Psychological Services* (CAPS); supervisor Darlene L. Shaw. Provided intake for individual adult clients, individual psychotherapy (mostly cognitive-behavioral and supportive), assessment of cognitive abilities and learning disabilities, couples therapy. Population: students of MUSC. Diagnoses included personality disorders (Borderline Personality Disorder, Antisocial Personality Disorder, and Narcissistic Personality Disorder), anxiety and mood disorders, substance abuse disorders, learning disabilities.
* *Weight Management Center*; supervisor: Patrick M. O’Neil – conducted individual assessments, and provided individual and group therapy to patients attempting to lose weight or maintain weight loss, including patients with comorbid psychiatric and medical diagnoses. Participated in evaluations of pre-surgical patients to determine psychological fitness for gastric bypass surgery.
* *Physical Medicine and Rehabilitation*, MUSC Hospital: Supervisor: Alice Q. Libet. Provided individual assessments of cognitive function and psychological adjustment, and provided individual and group psychotherapy to an inpatient population suffering from a variety of medical diagnoses including cystic fibrosis, diabetes, and head trauma patients.
* *Center for Drug and Alcohol Programs* (CDAP). Supervisor: John C. Roitzsch. Provided individual and group therapy to inpatients and outpatients with a variety of substance use disorders including alcohol and tobacco dependence. Delivered group therapy to inpatients on the Eating Disorders unit.

**Clinical Psychology Practicum Doctoral Student,** 1993 –1995

Behavioral Medicine Center

Department of Psychiatry

University of Virginia Hospital

Charlottesville, VA

**Graduate Student Therapist Trainee,** 1992-1994

Mary D. Ainsworth Clinic

Department of Psychology

University of Virginia

Charlottesville, VA

Learned basic psychotherapy and clinical assessment skills such as building rapport, taking social history and history of presenting problem, diagnosis, therapeutic planning, supportive and cognitive behavioral therapeutic approaches.

**Intramural Research Training Award (IRTA) Fellow,** 1991 & 1992 (summers)

Clinical Psychobiology Branch (intramural research laboratory)

National Institutes of Mental Health (NIMH)

National Institutes of Health

**Teaching Assistant** (psychobiology lab, intro psychology lab), 1992-1993 (selected semesters)

Department of Psychology

University of Virginia

Charlottesville, VA

**Graduate Teaching Assistant**, (introductory statistics), 1990-1992 (selected semesters)

Department of Psychology

George Mason University

Fairfax, VA

**Research Assistant,** (while earning Master’s degree)1989-1991

Health Innovations, Inc.

Supported the conduct of clinical trials funded by NIH Small Business Innovation Research (SBIR) grants. The company, Health Innovations, used SBIR grants to conduct research on its products prior to production. The two products I worked on clinical trials for were LifeSign, a hand-held computer to help people quit smoking using a gradual reduction method, and DietMate a hand-held computer to track dietary intake and coach users on making dietary choices in line with goals for weight loss and/or reducing cholesterol or sodium intake.

**Accounting positions (various).** 1981-1988. Further details are available upon request.

**EXTRAMURAL RESEARCH GRANT EXPERIENCE**

NOTE: Former last name was **Fiero. \* = Awarded.**

**PRINCIPAL INVESTIGATOR:**

3 applications - 1 awarded (\*), 1 not funded, 1 under development; 50% success rate.

**Mabry, P.L. (Contact PI),** Yan, X., (Co-PI) & Liu, X (Co-PI. *Social Network Theory and Big Data Models of Scholarly Network Evolution to Predict NIH K to R Transition*. To be submitted to [NSF 19-547](https://www.nsf.gov/pubs/2019/nsf19547/nsf19547.htm?WT.mc_id=USNSF_25&WT.mc_ev=click), a joint NIH-NSF solicitation entitled, *A Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise (SCISIPBIO)*. Target submission date May 8, 2019. **Under development.**

**Mabry, P.L. (PI)** Co-PI’s: Joan Duvwe (IU SPH-Fairbanks); Hsien-Chang Lin (IU SPH-Bloomington), Lilliard Richardson (IU SPEA), Brad Ray (IU SPEA); Senior Advisor: Paul Halverson (IUPUI SPH-Fairbanks). Indiana University, Addictions Initiative. *A Policy Simulator to Inform Local, Evidence-Based, Decision Making in Indiana*. **Preproposal not funded in Phase I.** September, 2017.

**\*Fiero, P.L., (PI),** Department of Defense, Office of Naval Research. Coastal Carolina Cancer Control Program Project Grant. Phase III. Project title: *Identifying Parameters for Initial Dosing of Nicotine Nasal Spray*. Project total costs: $319,173. **Fiero** at50% FTE for 2 years. 2000-2002. **Awarded.**

**CO-PRINCIPAL INVESTIGATOR/CO-INVESTIGATOR:**

14 applications - 7 awarded (\*), 4 not funded, 2 under development, one under review; 64% success rate.

Henshel, D. (PI); **Co-Is:** Klaunig, J., Saykin, A., **Mabry P.L.**. *Environmental Contributions to Alzheimer’s Disease: A Multiomics Approach*. Project as part of a Program Project Grant (P30) to National Institutes of Health (NIH), National Institute on Aging (NIA). **Under development**.

Maciosek, M. (PI). **Mabry, PI (Co-I).** R01*: Impact of ENDS with Intensified Tobacco Control Policy on the Population Harms of Tobacco*. PAR-17-135 *Public Policy Effects on Alcohol-, Marijuana-, and Other Substance-Related Behaviors and Outcomes (R01)* <https://grants.nih.gov/grants/guide/pa-files/pa-17-135.html>. **Submitted February 5, 2019.**

**\***Wittenberg, J. (Project Director), **Mabry, P.L. (Co-Project Director),** Other Co-Project Directors: Pentchev, V. Yan, X., and Van Rennes, R. Institute of Museum and Library Services. *Shared Big Data Gateway: A Cloud‐based infrastructure for Sharing Research Assets and Advancing Library and Information Science*. In response to Notice of Funding Opportunity number NLG-Libraries-FY18-2, National Leadership Grants for Libraries. Start date: October 1, 2018. $2,126,137 for 2 years (includes $1.2M cost share). **Mabry at 15% FTE for two years**. See 5 minute video explaining the project developed by IUNI Team at <https://youtu.be/33ev6Rzhd0A>. **Awarded.**

Pestilli, F., Fortunato, S., Yan, X., & **Mabry, P (Co-PI).** *Enhancing Brain-Life.org: A Platform for Reproducibility* Laura and John Arnold Foundation Submitted letter of inquiry October 2017. $1.1M direct costs. **Not funded.**

**\***Drobes, DJ (PI), **Co-I’s:** **Fiero, PL,** Coffey, SC,Malcolm, RJ, & Saladin, ME**.** NIH, *Biobehavioral Mechanisms in Genetic Risk for Smoking*. NCI, R21 CA81638-01, 07/01/99-06/30/01. Total costs: $308,938. Fiero 12% FTE for two years. **Awarded.**

**\***Boyd, NR (PI), & **Fiero, PL (Co-I). NIH Small Business Innovative Research grant (Phase I),** *Computerized Scheduling of Nicotine Inhaler Use: Phase I*. NCI, 1R43CA80525, 1/01/99 to 12/31/99. Total costs: $105,301 (MUSC portion $40,407). **Fiero** 55% FTE for six months. **Awarded.**

**\***Jerome A, (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase II),** *Computerized Scheduling of Nicotine Gum: Phase II.* NIDA, R44 DA09925, 9/30/97–8/31/99. Total costs: $749,721. **Fiero** 100% FTE for one year. **Awarded.**

**\***Jerome A (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase I),** *Self-Help Smoking Cessation for Teens.* NCI, R43 CA74623. Total costs: $99,831. **Awarded**.

**\***Jerome A (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase I),** *Using Hand-Held Computers to Modify Exercise Habits.* NINR, R43 NR004370. Total costs: $99,225. Resubmitted with Riley, W. as PI. **Awarded.**

\*Jerome, A. (PI); **Fiero, P.L (Co-I). NIH Small Business Innovative Research grant (Phase I),** *Schedules: A Program for Gradual Smoking Cessation: Phase I*. NCI, 1R43 CA 086618-01 09/01/00 to 05/31/02. Total costs: approximately $189,316. **Fiero** 33% FTE for six months. **Awarded.**

Jerome A (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase I),** *Combining Scheduled Reduction with Bupropion HCl.* NIDA, R43 DA11842. Total costs: $99,362. **Not funded.**

Jerome A, (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase II),** *Using Computers to Modify Dietary and Exercise Habits.* NHLBI, R44 HL053024. Total costs: $749,994. **Not funded on first submission.**

Jerome A (PI), **Fiero PL (Co-I). NIH Small Business Innovative Research grant (Phase II),** *Computer-Assisted Self-Management of Hypertension.* NHLBI, R44 HL53170. Total costs: $749,978. **Not funded.**

**GHOST WRITER**

2 applications – 1 awarded, 1 not funded; 50% success rate. Note that this list is incomplete. It does not include ghost grant writing done while working at Centurion Technologies.

**\***Brue, V. (PI), 2003. **NIH Small Business Innovative Research grant (Phase II),** *Duration Adjustments in Scheduled Reduced Smoking: Phase II.* NIDA, 1R43DA013527. Total costs: $1,000,179. Awarded.

Brue, V. (PI). 2000. **NIH Small Business Innovative Research grant (Phase I),** *Tailored Scheduled Reduction of Nicotine Gum and Tobacco: Phase I.* NCI, R44CA89966-01. Total costs: approximately $150,000. Not funded.

**CONSULTANT/OTHER ROLE ON GRANT:**

3 applications - 2 awarded (\*), 1 under development; 100% success rate.

Stange, K. (PI). Koroukian, S., Osgood, N., Schiltz, N. (Co-Is*).* **Mabry, P. (External Advisory Board Member).** *Modeling Integrated Care of People Living with Multiple Chronic Conditions*. R01 submitted to NIH, February 2019.

Cavar, D. (PI). Co-PI’s: De Jong, K., Feinstien, L., Fortunato, S., Fox, G., Grano, T., Herring, J., Moss, L, Qiu, J., & Welch, V. **Key Personnel, Project Manager: Mabry, P.** *Semantic Event Extraction and Knowledge Retrieval (SEEKER)*. Submitted to U.S., Intelligence Advanced Research Projects Agency (IARPA), program # IARPA-BAA-18-05, Better Extraction from Text Towards Enhanced Retrieval (BETTER). September 14, 2018. $16.3M. **Mabry 25% FTE for 5 years**. **Under review**.

Lyn-Cook, B. & Moore, R. (Co-PI’s). Co-Investigators: Axtell, R., Cheatle, M., Mikailov M. **Mabry, P.L. (Consultant).** *Using Ethnography and Computational Social Science to understand, assess, and predict the interplay of chronic pain, opioid use and tobacco use by sex and gender in the US.* In preparation for submission to FDA’s Office of Women’s Health (OWH) FY 2019 Intramural Scientific Research Funding Program. $200,000. **Under review.** Application due date: September 7, 2018.

**\***Brue, V. (PI), **Fiero, P.L. (Consultant, Subject Matter Expert)** 2001. LifeTechniques Inc. Dallas, TX. **NIH Small Business Innovative Research grant (Phase II),** *Electronic Smoking Cessation Monitor and Communicator.* NIDA, R44DA12091-02. Total costs: approximately $749,870. **Awarded.**

**\***Carson, D. (PI), **Fiero, P.L. (Consultant, Subject Matter Expert). Department of Defense, Office of Naval Research. Coastal Carolina Cancer Control Program Project Grant.** Phase II: Thoracic Cancer and Telemedicine Project. Project 5: *Increasing public Awareness of Smoking Cessation Techniques through Pharmacist Intervention*. Project total cost: $119,930. September 1999-August 2000. **Awarded.**

**STRATEGIC COACH, GRANT WRITER (2015-2018)**

31 proposals, 9 awarded (\*), 17 not funded/not invited, 1 under review, 2 not submitted, 1 under development, 1 no awards made; 35% success rate.

NIH NIA P01, Program Project Grant. *Multilayer Multiomics Methods for Understanding Biological Underpinnings of Alzheimer’s Disease.* Fall 2018. PI: A. Saykin. $3M. **Under development.**

NIH P30. *Indiana Developmental Center for AIDS Research* (D-CFAR).PI: K. Wools-Kaloustian. Co-PI’s Weaver, B.A., Clauss, M.A., Gupta, S.K., Dodge, B.M., Fortenberry, J.D., Green, H.D., Mamlin, B., Twigg, H.L., Vreeman, R.C., Yiannoutsos, C.T., & Yu, A.Q. August 2018. Under review. Proposed start date: April 1, 2019. $3.75M over 5 years. **Under review.**

\*NIH. 1OT2OD026671-01 *The Human Body Atlas: High-Resolution, Functional Mapping of Voxel, Vector, and Meta Datasets*. PI: Borner, K. September 21, 2018. $1.3M over 5 years. **Awarded.**

\*NIH R01 *myAURA: Personalized Web Service for Epilepsy Management.* Rocha, Miller, Borner; $1,488,353.March 2018. Scored. Short listed for funding. **Awarded**.

William and Flora Hewlett Foundation. Madison Initiative. *Understanding and Countering the Flow of Digital Disinformation*. PI: F. Menzer, A. Flammini, G. Ciampaglia. Spring 2018. **Not submitted**.

NSF Expeditions in Computing, *NSF Expedition in the Reliable Web* PIs: F. Menczer, A. Flammini, G. Ciampaglia. Preliminary proposal submitted April 25, 2018. $10M total costs over 5 years. **Not funded**.

NIH NIA R01. *Novel Integrative Analysis of Multi-Omics and Endophenotypes in Alzheimer’s Disease.* PIs: K. Nho & YY Ahn. June 2018. $1M. **Not funded on first submission.**

**\***Lilly Endowment, *Indiana Data Partnership: Developing a Collaborative Decision-Support Framework for IN.* $3M. PI: Fulton, B. 2018. Two year pilot project; anticipate invitation to apply for a $12M follow up grant. Award to the Indiana State Management Performance Hub with subaward to Indiana University. **Awarded.**

Department of Defense, Defense Sciences Office (DSO) Day, *An Online Game Environment For Social Science Research: Social Research Gamery (Sorgery).* PI: D. Henshel.Preliminary proposal. Invited for face-to-face sidebar with Program Manager. 2017. **Not submitted.**

NIH R01 *Improving and Extending EgoWeb 2.0 to Increase Social Network Based Studies of Health* Co-I: S. Giroux, sub from Rand Corporation, PI: D. Kennedy. 2017. Subaward total costs, $169,196. **Not funded.**

**\***Glaxo-Smith-Klein, *Development of a Website Tool for the Evaluation of Erosive Tooth Wear Perception among Dentists and Patients.* PI: A. Hara, G. Maupome. 2017. Pilot study. Total costs, $255,351. **Awarded.**

**\***NSF NCS-FO: *Connectome mapping algorithms with application to community services for big data neuroscience.* PI:F. Pestilli, 2017. $649,504. **Awarded.** Award Number:1734853.

**\***Indiana University - Collaborative Research and Creative Activity, *Just Like Me: Stories from All Sides of the Vietnam War*. PI: P. Shih. 2017. $20,000. **Awarded.**

**\***NSF National Research Traineeship Award, *Interdisciplinary Training in Complex Networks and Systems.* Award Number:1735095; PI: L. Rocha; Co-PIs: A. Razo, B. Pescosolido, K.Börner, Olaf Sporns; Start Date: September 1, 2017; Award Amount:$2,999,845. **Awarded.**

NSF-BD-Spokes, *Social Media Macroscope*. PI: J. Yun, Co-PI: V. Pentchev. Subaward from University of Illinois Urbana-Champagne. Submitted September 2017. Subaward total costs $261,188. **Not funded.**

Indiana University, Emerging Areas of Research (EAR). *Educational Data Science.* PIs: K. Borner, R. Goldstone, M. Groth, D. Hickey, B. Motz, G. Rehrey, & J. Robinson. Fall 2017. **Not funded.**

**\***Defense Advanced Projects Research Agency. DARPA BAA-16-32, COSINE: *Cognitive Online Simulation of Information Network Environments.* Subaward from University of Southern California; PI: E. Ferrara, Co-I F. Menczer. 2016. Total costs: $1.2M. **Awarded**.

**\***BD Spokes: SPOKE: MIDWEST: Collaborative: Advanced Computational Neuroscience Network (ACNN). Award Number: 1636893; PI: F. Pestilli; Co-Pls: O. Sporns, A. Saykin, L. Wang; Start Date: September 1, 2016; Award Amount:$332,869. **Awarded**.

Indiana University, Emerging Areas of Research (EAR), *The Indiana Social Simulation Platform (ISSP)*. E. Castronova, A. Alexeev, B., Bertenthal, D. Henshel, S. Kuebler, X. Liu, P. Mabry, V. Pentchev, J. Ross, M. Sellers, Wing, C., X. Yan. October 13, 2017. **Not funded**.

NIH NIGMS Maximizing Investigators' Research Award for Early Stage Investigators (R35) *Accelerating biomedical discovery by integrating reproducible, big data infrastructure with science analytics technology.* PI: F.Pestilli. Fall 2017. Total costs: $1.25M. **Not funded**.

*Promoting trustworthiness, diligence, and curiosity in communication across diverse online communities*. PI: G. Ciampaglia. Preliminary proposal submitted August, 2017. Templeton Foundation. $1,827,443. **Not invited for full proposal**.

DARPA HR001117S0018: Computational Simulation of Online Social Behavior (SocialSim), *Social Research Gamery (SoRGery): An Online Game Environment for Social Science Research on the Determinants of Information Transmission, Belief Formation, and Behavior in Social Networks.* PI: D. Henshel. Preliminary proposal. 2017. $9,541,878. **Not encouraged to submit full proposal**.

DoD Minerva, *An Online Game Environment for Social Science Research: The Determinants of Malicious Behavioral* *Characteristics in Social Networks as Influenced by Culture (SoRGery malicious).* PI: D. Henshel. 2017. Preliminary proposal. **Not encouraged for full proposal**.

Department of Defense. *Multidisciplinary University Research Initiatives (MURI) Program.*  PIs: W. Rouse, E. Castronova, K. Donato, E. Fussell, D. Henshel, P. Langley. 2017. Preliminary proposal. **Not invited for full proposal.**

NSF-RIDIR *Social Media Observatory.* PI: Ciampaglia. 2016. $1,403,851. **Not Funded.**

NSF *SaTC SBE: Medium: Socio-technical factors affecting the spread of misinformation,* PI: A. Flammini. 2106. $1,199,902. **Not Funded.**

NSF BD-Spokes *SPOKE MIDWEST: Sharing Computational Models of Contagion for Health Applications.* PI: C. Scoglio. Subaward from Kansas State University. October 2016. Subaward total costs $28,676. **Not Funded.**

NIH Director’s Early Independence Award (DP5); *Integrative Systems Biology Approaches to Reveal Multi-omic Networks Underlying Alzheimer's Disease*. 2016. PI: Yan, J. $1,707,746, total costs. **Finalist – invited for in-person presentation to review panel. Not funded.**

DARPA, BAA-16-32; *International Marketplace for Data Collection and Distribution.* With subaward to National Defense University, PI: V. Pentchev, Co-I: R. Holladay. Preliminary proposal submitted 2016. **Not invited for full proposal.**

DARPA, BAA-16-32; *Maintained Individual Data Distributed Likelihood Estimation (MIDDLE)* Yan, X., sub from University of Virginia, PI: S. Boker. Preliminary proposal, 2016. Total costs: $2,969,517. **Not invited for full proposal.**

Indiana University Grand Challenge, *Reducing Drug Addiction*. PI: W. Hetrick. Preliminary proposal. 2016. **Program revised without funding any applications.**

**GRANT REVIEW PANELS**

**Robert Wood Johnson Foundation. Systems for Action (S4A)** <http://systemsforaction.org/sites/default/files/documents/S4A_CFP_Brochure_071818_Updated.pdf>Review Committee Member, December 17, 2018.

**NIH Early Career Reviewer (ECR) Program.**  Added to the database of ECR reviewers in August 2018. Enrollment in the ECR program indicates eligibility to serve on a study section. Scientific Review Officers (SROs) search the ECR database for reviewers who match the expertise for their specific study sections.

**Austrian Science Fund,** (FWF, akin to the U.S. National Science Foundation). **Mabry, P.L., Panel Member.** Review of grant proposal completed virtually, April 4, 2018.

**Ad hoc grant review panel member;** National Cancer Institute, Special Populations Networks for Cancer Awareness Research and Training – Pilot Projects. Spring & Fall 2002; Spring 2003.

**PEER REVIEWED PUBLICATIONS**

NOTE: I have published under the last names **Fiero and Mabry**. 49 peer-reviewed publications, one non-peer reviewed publication, two under review, three in preparation. Total 3149 citations. h-index: 21 past 5 years 19. i-10 index: 30, past 5 years: 25.

1. Murray, D.M., Villani, J., Vargas, A.J., Lee, J.A., Myles, R., Wu, J.Y., **Mabry, P.L.**, & Schully, S.D. (online published on October 26, 2018, ahead of print). *NIH Primary and Secondary Prevention Research in Humans During 2012-2017.*American Journal of Preventive Medicine; [https://www.ajpmonline.org/article/S0749-3797(18)32168-8/pdf](https://www.ajpmonline.org/article/S0749-3797%2818%2932168-8/pdf) <https://www.ncbi.nlm.nih.gov/pubmed/30458950>. PMID: 30458950 PMCID: PMC6251492 [Available on 2019-12-01] DOI: 10.1016/j.amepre.2018.08.006
2. **Mabry, P.L.**, *How To Get The Most From Your Mentoring Experience.* Invited book chapter in Finding a Successful Career Outside Academia: A Guide for Doctoral Students in the Behavioral and Social Sciences. J. Urban & Linver (Eds.) American Psychological Association (APA) Press. ISBN: 978-1-4338-2952-9. August 2018. <http://www.apa.org/pubs/books/4313051.aspx>
3. Nosek, B. A., Alter, G., Banks, G. C., Borsboom, D., Bowman, S. D., Breckler, S. J., ...**Mabry, P.,** …& Contestabile, M. (2015). Promoting an open research culture. *Science*, *348*(6242), 1422-1425.
4. Urban JB, **Mabry, PL**, Osgood N, Okamoto J, & Lich KH. (2014). *Developmental Systems Science: Current and Future Applications.* Book chapter in P.C. Molenaar, K.M. Newell, R.M. Lerner (eds): Handbook of Developmental Systems Theory and Methodology. New York, NY: The Guilford Press.
5. Kaplan RM, Riley WT, & **Mabry PL**. (2014). *News from NIH: leveraging big data in the behavioral sciences*. Translational Behavioral Medicine; 1-3. Doi: 10.1007/s13142-014-0267-y.
6. Ginexi, E, Riley, W, Atienza, AA, & **Mabry, PL.**  (2014). *The Promise of Intensive Longitudinal Data Capture for Behavioral Health Research.* Nicotine and Tobacco Research 16(Supp 2), S73-S75. [http://ntr.oxfordjournals.org/content/16/Suppl\_2/S73.full.pdf+html](http://ntr.oxfordjournals.org/content/16/Suppl_2/S73.full.pdf%2Bhtml) .
7. Maglio, P.M., Sepulveda, M., & **Mabry, P.L.** (2014). *Mainstreaming Modeling and Simulation to Accelerate Public Health Innovation.* American Journal of Public Health. 104(7), 1181-1186. doi: 10.2105/AJPH.2014.301873. <http://ajph.aphapublications.org/doi/full/10.2105/AJPH.2014.301873>
8. Bures, RM, **Mabry, PL**, Esposito L, & Orleans CT. (2014). *Systems Science: A Tool for Understanding Obesity*. American Journal of Public Health. 104(7), 1156. doi: 10.2105/AJPH.2014.302082. <http://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2014.302082>
9. **Mabry, PL** & Bures RM. (2014). *Systems Science for Obesity-Related Research Questions: An Introduction to the Theme Issue*. American Journal of Public Health. 104(7), 1157-1159. doi: 10.2105/AJPH.2014.302083 <http://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2014.302083>
10. Burke JG, Hassmiller Lich K, Watling Neal J, Meissner HI, Yonas M, & **Mabry PL**, **(senior author**; 2014). *Enhancing Dissemination and Implementation Research Using Systems Science Methods.* International Journal of Behavioral Medicine, 1-9. DOI:10.1007/s12529-014-9417-3. [http://link.springer.com/article/10.1007/s12529-014-9417-3#](http://link.springer.com/article/10.1007/s12529-014-9417-3)
11. U.S. Department of Health and Human Services. (2014). **Mabry, P.L.** (one of several contributing authors). *The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General*. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014. <http://www.surgeongeneral.gov/library/reports/50-years-of-progress/index.html>
12. **Mabry PL** & Kaplan RM. (2013). *Systems Science A Good Investment for the Public’s Health*. Health Education & Behavior, 40(1 suppl), 9S-12.
13. **Mabry, PL**, Milstein B, Abraido-Lanza AF, Livingood WC, & Allegrante JP. (2013). *Opening a window on systems science research in health promotion and public health*. Health Education & Behavior, 40(1 suppl), 5S-8S.
14. Ip, E. H., Rahmandad, H., Shoham, D. A., Hammond, R., Huang, T. T. K., Wang, Y., & **Mabry, PL.** **(senior author)** (2013). *Reconciling statistical and systems science approaches to public health*. Health Education & Behavior, 40(1 suppl), 123S-131S.
15. Ip, E.H., Zhang, Q, Lu,J., **Mabry, P.L.**, Dube, L. (2013). *Feedback Dynamic Between Emotional Reinforcement and Healthy Eating: An Application of the Reciprocal Markov Model\**. Proceedings of the 6th International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction (SBP13). \*This paper was selected at **Best Paper** of the conference.
16. Hassmiller Lich, K. Ginexi, E.M., Osgood, N.D., & **Mabry, P. L**. (2012). *A Call to Address Complexity in Prevention Science Research.* Special issue: Translation and Integration of Biological Research into Prevention Science.Prevention Science. DOI 10.1007/s11121-012-0285-2. <http://www.springer.com/home?SGWID=0-0-1003-0-0&aqId=2288259&download=1&checkval=98a6e673c29beb59a600b3f3ede88434>
17. Salathé M, Bengtsson L, Bodnar TJ, Brewer DD, Brownstein JS, Buckee C, Campbell EM, Cattuto C, Khandelwal S, **Mabry PL**, & Vespignani A. (2012) *Digital Epidemiology*. PLoS Comput Biol 8(7): e1002616. doi:10.1371/journal.pcbi.1002616 [http://www.ploscompbiol.org/article/info%3Adoi%2F10.1371%2Fjournal.pcbi.1002616](http://www.ploscompbiol.org/article/info%3Adoi/10.1371/journal.pcbi.1002616)
18. **Mabry, P.L.,** Hammond, R., Huang, T.T., & Hak-Sing, E. (2011) *Computational and statistical models: a comparison for policy modeling of childhood obesity.* Abstract in: SBP11: Proceedings of the 4th international conference on Social computing, behavioral-cultural modeling and prediction, Springer-Verlag Berlin, Heidelberg ©2011. ISBN: 978-3-642-19655-3. <http://dl.acm.org/citation.cfm?id=1964712>.
19. Maglio, P.P. & **Mabry, P.L.** (2011). *Agent-Based Models and Systems Science Approaches to Public Health*, American Journal of Preventive Medicine, 40(3), 392-394. [http://www.ajpmonline.org/article/S0749-3797(10)00707-5/fulltext](http://www.ajpmonline.org/article/S0749-3797%2810%2900707-5/fulltext)
20. Urban, J.B., Osgood, N.D., & **Mabry, P.L.** (2011). *Developmental Systems Science: Exploring the Application of Systems Science Methods to Developmental Science Questions*. Special Issue: Embracing Systems Science: New Methodologies for Developmental Science. Research in Human Development, 8(1), 1-25. <http://www.tandfonline.com/toc/hrhd20/8/1>
21. Gortmaker SL, Swinburn, BA, Levy DT, Carter R**, Mabry PL**, Finegood DT, Huang TT, Marsh T & Moodie ML. (2012). *Changing the Future of Obesity: Science, Policy, and Action.* Obstetrical & Gynecological Survey. 67(1):55-63. doi: 10.1097/OGX.0b013e318242ee82
22. Gortmaker, S.L., Swinburn, B.A., Levy, D.T., Carter, R., **Mabry, P.L.**, Finegood, D.T., Huang TT, Marsh, T., & Moodie, M.L. (2011). *Changing the Future of Obesity: Science, Policy, and Action* (part of a Series on Obesity). The Lancet, 378(9793) 838-847. ISSN 0140-6736, 10.1016/S0140-6736(11)60815-5. <http://www.sciencedirect.com/science/article/pii/S0140673611608155>
23. Levy, D.T., **Mabry, P.L.**, Wang, Y.C., Gortmaker, S., Huang, T.T-K, Marsh, T., Moodie, M. & Swinburn, B. (2011). *Simulation Models of Obesity: A Review of the Literature and Implications for Research and Policy*, Obesity Reviews, 12(5) 378-394. <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-789X.2010.00804.x/full>
24. **Mabry, P.L.** (2011). *Making Sense of the Data Explosion: The Promise of Systems Science.* Special Issue: Cyberinfrastructure for Consumer Health. American Journal of Preventive Medicine, 40(5), S159-S161. [http://www.ajpmonline.org/article/S0749-3797(11)00073-0/fulltext](http://www.ajpmonline.org/article/S0749-3797%2811%2900073-0/fulltext)
25. Orleans, C.T., **Mabry, P.L.** & Abrams, D.B. (2010). [*Increasing tobacco cessation in America: A consumer demand perspective.*](http://www.ncbi.nlm.nih.gov/pubmed/20176300) American Journal of Preventive Medicine, 38(3Suppl), S303-306. <http://www.tobacco-cessation.org/PDFs/March%202010%20Supplement/Increasing%20-Orleans.pdf>
26. Marcus, S.E., Leischow, S.J., **Mabry, P.L.** & Clark, P.I. (2010) *Lessons learned from the application of systems science to tobacco control at the National Cancer Institute.* American Journal of Public Health, 100(7), 1163-1165. <http://ajph.aphapublications.org/cgi/content/extract/100/7/1163>
27. **Mabry, P.L.**, Marcus, S.E., Clark, P.I., Leischow & S.J. & Méndez, D. (2010) *Systems science: a revolution in public health policy research.* American Journal of Public Health, 100(7), 1161-1163. <http://ajph.aphapublications.org/cgi/content/extract/100/7/1161>
28. Levy, D.T., **Mabry, P.L.**, Graham, A.L., Orleans, C.T. & Abrams, D.B. (2010) ***Exploring Scenarios to Dramatically Reduce Smoking Prevalence: A Simulation Model of the Three-Part Cessation Process.*** American Journal of Public Health, 100(7), 1253-1259. <http://ajph.aphapublications.org/cgi/content/abstract/100/7/1253>
29. Abrams, D.B., Graham, A.L., Levy, D.T., **Mabry, P.L.** & Orleans, C.T. (2010). [*Boosting population quits through evidence-based cessation treatment and policy.*](http://www.ncbi.nlm.nih.gov/pubmed/20176308)American Journal of Preventive Medicine, 38(3Suppl), S351-363. <http://www.sciencedirect.com/science/article/pii/S0749379709008939>
30. Levy, D.T., Graham, A.L., **Mabry, P.L.**, Abrams, D.B. & Orleans, C.T. (2010). [*Modeling the impact of smoking-cessation treatment policies on quit rates.*](http://www.ncbi.nlm.nih.gov/pubmed/20176309) American Journal of Preventive Medicine, 38(3Suppl), S364-372. <http://www.sciencedirect.com/science/article/pii/S0749379709008575>
31. Levy, D.T., **Mabry, P.L.**, Graham, A.L., Orleans, C.T. & Abrams, D.B. (2010). *Reaching Healthy People 2010 by 2013: A SimSmoke simulation.* American Journal of Preventive Medicine, 38(3Suppl), S373-381. <http://www.sciencedirect.com/science/article/pii/S0749379709008599>

Note: This work is cited in U.S. Department of Health and Human Services. [Ending the Tobacco Epidemic:A Tobacco Control Strategic Action Plan for the U.S. Department of Health and Human Services](http://www.hhs.gov/ash/initiatives/tobacco/tobaccostrategicplan2010.pdf). Washington, DC: Office of the Assistant Secretary for Health, November 2010. The citation reads: *The most current and authoritative model of the effect of comprehensive tobacco control measures concludes that, with all of these interventions implemented simultaneously, the Healthy People objective of reducing the adult smoking rate to 12% can be reached by 2020.66*

1. **Mabry P.L.**, Olster, D.H., Morgan, G.D. & Abrams, D.B. (2008). *Interdisciplinarity and systems science to improve population health: a view from the NIH Office of Behavioral and Social Sciences Research.* American Journal of Preventive Medicine;35(2 Suppl):S211-24. <http://www.sciencedirect.com/science/article/pii/S0749379708004315>
2. **Mabry PL,** Tooze J.A., Moser, R.P., Augustson, E.M., Malcolm, R.J. & Benowitz, N.L. (2007). *Nicotine, cotinine, withdrawal, and craving patterns during smoking and nicotine nasal spray use: results from a pilot study with African American men.* Nicotine & Tobacco Research; 9(1):65-82. <http://ntr.oxfordjournals.org/content/9/1/65.short>
3. Stoddard J.L., Augustson E.M.,& **Mabry P.L.** (2006). *The importance of usability testing in the development of an internet-based smoking cessation treatment resource.* Nicotine & Tobacco Research; 8 Suppl 1:S87-93. <http://ntr.oxfordjournals.org/content/8/Suppl_1/S87.short>
4. **Mabry, P.L.**, Augustson, E.M., Morgan, G.D., & Leischow, S. (2004). *Clinical Approaches to Smoking Cessation.* In Hirsch, F. R., Bunn, P.A., Jr., Kato, H., & Mulshine, J.L. (Eds.), IASLC Textbook of Prevention and Early Detection of Lung Cancer. Abingdon, England: Taylor & Francis. <http://www.pmc.ps/pdfs/IASLC%20Textbook%20of%20Prevention%20and%20Early%20Detection%20of%20Lung%20Cancer.pdf#page=73>
5. **Fiero, P.L.**, Galper, D.I., Cox, D.J., Phillips, L.H., II, & Fryburg, D.A. (2003). *Thermal biofeedback and lower extremity blood flow in adults with diabetes: Is neuropathy is a limiting factor?* Applied Psychophysiology and Biofeedback, 28 (3), 193-203. <http://www.springerlink.com/content/u364t103l80q1n67/>
6. **Fiero, P.L.** & D.W. Hiott. (2003). Case 69: *Stress management*. In *Sleep Well: Pediatrics, Psychiatry and Neurology, Vol. 3 (Sleepwell Review Series),* JD Key, DW Hiott, &TD Carter, (Eds). Blackwell Science, Oxford, UK. ISBN: 0-632-04666-X.
7. **Fiero, P.L.** & D.W. Hiott. (2003). Case 68: *Treating the obese patient*. In *Sleep Well: Pediatrics, Psychiatry and Neurology, Vol. 3 (Sleepwell Review Series),* JD Key, DW Hiott, &TD Carter, (Eds). Blackwell Science, Oxford, UK. ISBN: 0-632-04666-X.
8. **Fiero, P.L.** & D.W. Hiott. (2003). Case 67: *Smoking and pregnancy*. In *Sleep Well: Pediatrics, Psychiatry and Neurology, Vol. 3 (Sleepwell Review Series),* JD Key, DW Hiott, &TD Carter, (Eds). Blackwell Science, Oxford, UK. ISBN: 0-632-04666-X.
9. Diehl NS, Brewer BW, Van Raalte JL, Shaw D, **Fiero, P.L.** Sorensen M. (2001). *Exercise partner preferences, social physique anxiety, and social discomfort in exercise settings among women university wellness center patrons*. Women in Sport and Physical Activity Journal, 10(1) 89-101.
10. Brady, KL & **Fiero, P.L.** (2001). *Individual Factors Influencing Medical Conditions*. Advanced Abnormal Psychology, 2nd Edition, Hersen, M., Van Hasselt, V.B. (Eds.), Kluwer Academic/Plenum Publishers, New York.
11. Jerome, A., **Fiero, P.L.**, & Behar, A. (2000). *Computerized scheduled gradual reduction for smokeless tobacco cessation: development and preliminary evaluation of a self-help program.* Computers in Human Behavior, 16(5), 493-505. <http://www.sciencedirect.com/science/article/pii/S0747563200000248>
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13. Diehl, NS, Brewer, BW, Van Raalte, JL, Shaw, D, **Fiero, P.L.**, & Sorensen, M (1998). *Exercise partner preferences, social physique anxiety, and social discomfort in exercise settings among university wellness center patrons* [Abstract]. Journal of Applied Sport Psychology, 10(Suppl.), S115-116.
14. **Fiero P.L.**, Cox DJ, Fryburg DA, Turkheimer EN, Saunders JT, Phillips LH (1996). *The influence of neuropathy on foot-warming acquisition via thermal biofeedback in diabetic outpatients* [Abstract]. Biofeedback and Self-Regulation 21(4), 358.
15. Leibenluft, E., **Fiero, P.L.**, & Rubinow, D.R. (1995). *Mood Disorder Research: Accurate Correlation of Physiologic Measurements to Menstrual Cycle Fluctuations Is Needed.* Archives of Family Medicine4(10): 47*.*
16. Leibenluft, E., **Fiero, P.L.**, & Rubinow, D.R. (1994). *The effect of menstrual cycle on dependent variables in mood disorder research.* Archives of General Psychiatry 51(10), 761–781. <http://archpsyc.ama-assn.org/cgi/content/abstract/51/10/761>
17. Leibenluft, E., **Fiero, P.L.**, & Rubinow, D.R. (1994). *Neuroendocrine and circadian modulation by the menstrual cycle*. Biological Psychiatry 35(9): 662.
18. Leibenluft E., **Fiero P.L.**, Bartko, J.J., Moul, D.E., & Rosenthal, N.E. (1993). *Depressive symptoms and the self-reported use of alcohol, caffeine, and carbohydrates in normal volunteers and four groups of psychiatric outpatients.* The American Journal of Psychiatry 150(2), 294–301. <http://ajp.psychiatryonline.org/cgi/content/abstract/150/2/294>

**NON-PEER REVIEWED PUBLICATIONS**

M. Barton, M. Alberti, L. Na'ia Alessa, R. Axtell, S. Bankes, D. Bennett, L. Bettencourt, E. Brondizio, D. Brown, L. Buja, G. Ciampaglia, E. CoBabe-Amman, J. Faul, J. Feddema, P. Fox, K. Galvin, D. Gaylin, R. Groves, E. Hackett, S. Hofferth, J. S. Jackson, Y. Kim, D. Lam, F. LeClere, S. van der Leeuw, M.Levy, J. Liu**, P. Mabry,** E. Moran, G. C. Nelson, K. Prewitt, W, Rand, D. Rogers, P. Romero-Lankao, K. Smith Evans, J. Syvitski, S. Wang. (November 2016). *Clearinghouse for Integrative Human Analytics and Data Synthesis (IHADS). Comments to the U.S. Congress’ Commission on Evidence-Based Policymaking.* Note: Many of the recommendations made in this letter are reflected in the Commission’s report which recommends a National Secure Data Service (NSDS) that would provide one-stop shopping for scientists while improving privacy protection for everyone whose personal information appears in the databases. See Mervis, Jeffrey. "Panel urges steps to boost evidence-based policy." *Science*. September 8, 2017; 357(6355): 959-959. <http://www.sciencemag.org/news/2017/09/how-collect-better-data-government-programs-and-improve-privacy-too?utm_campaign=news_weekly_2017-09-08&et_rid=17176884&et_cid=1535895>

**IN PREPARATION AND UNDER REVIEW**

Wang, Y.C., Lee, M., **Mabry, P.L. (senior author),** *Simulation Modeling for Policies Addressing Health Behaviors: The State of the Field and Future Directions.*  One of three papers commissioned by the Robert Wood Johnson Foundation on developing a health policy modeling research agenda. **Under review.** Milbank Quarterly.

Murphy M., Diekman A., Mejia, A.F., Pestilli F., Yan X. Ressl S., Mejia J.M., Cheryan S., Dasgupta N., Destin M., Fryberg S.A., Garcia J.A., Haines E.L., Harackiewicz J.M., Jones-Taylor V., Ledgerwood A., Moss-Racusin, C.A, Park L.E., Perry S.P., Ratcliff, K.A., Rattan, A., Sanchez, D.T., Savani K., Sekaquaptewa, D., Smith J.L., Thoman, D.B., Wout, D.A., Sugimoto, C.R., & **Mabry, P.L. (senior author)**. *Advancing a more communal culture that promotes diversity and discovery.* **Under revision following editorial review.** Manuscript is recruited as a PLUS paper (a longer form of a research article). Proceedings of the National Academies of Science (PNAS).

Moore, R. **Mabry, P.L.** *Using retrospective mapping to understand the tobacco product use in tobacco consumers living with chronic pain\ and disability.***In preparation** for submission to Journal of Medical Internet Research (JMIR) Public Health Surveillance.

Yan, X., Pentchev, V., Wittenberg, J., Van Rennes, R. & **Mabry, P.L. (senior author),** (in preparation). *Cloud-based Big Data and Computing Gateways for Shared Library Research Resources.* **In preparation** for submission to Frontiers in Big Data. <https://www.frontiersin.org/journals/big-data>.

Burke, J., Mair, C., & **Mabry, PL**.(authors to be confirmed). *Building a Community of System Science.* Commentary. Abstract submitted for consideration as part of a theme issue on “*Modeling Social Dynamics & Health Behavior*”. Health Education and Behavior. Full manuscript **in preparation,** expected Spring 2019.

**PRESENTATIONS AND INVITED TALKS**

NOTE: I have presented under the names **Fiero and Mabry**. 158 presentations + one workshop proposal under review. Includes five presentations to the National Academies (\*) and six keynote presentations (\*\*).

1. Ginexi, E., **Mabry, PL**, Maldonado-Molina, MM (Workshop Co-Chairs and speakers). Preconference workshop title, *Novel Approaches for Public Health Informatics: Integrating and Analyzing Administrative Big Data.* Society for Prevention Research 27th Annual Meeting*, “Prevention Science in a Big Data World.”*  Hyatt Regency San Francisco, San Francisco, CA. May 28, 2019. **Accepted.**
2. **Mabry, P.** *Lessons Learned from the NIH Envision Obesity Modeling Network*. An invited talk as part of a panel entitled: Successes and Challenges in Systems Modeling. Presented at the *Workshop to Facilitate Cancer Systems Epidemiology Research*. Sponsored by the National Cancer Institute, NIH, Bethesda, MD; February 28, 2019.
3. **Mabry, P.** Session moderator for a panel entitled: *Dissemination and Implementation of Systems Modeling*. Presented at the *Workshop to Facilitate Cancer Systems Epidemiology Research*. Sponsored by the National Cancer Institute, NIH, Bethesda, MD; March 1, 2019.
4. Van Rennes, R., Wittenberg, J., Pentchev, V., **Mabry, P.**, Yan, X. *The Shared BigData-Gateway Project:* *Collaborative Archive & Data Research Environment (CADRE).* A report to the Library Directors of the Big Ten Academic Alliance. November 30, 2018; Rosemont, IL.
5. Yan, X., Pentchev, V., **Mabry, P.**, Wittenberg, J., & Van Rennes, R. *Collaborative Archive & Data Research Environment (CADRE): Building a community infrastructure for big academic data.* An invited talk at the Alpha Lab of the Dalian, University of Technology, China. December 24, 2018; Dalian, China.
6. Van Rennes, R., Wittenberg, J., Pentchev, V., **Mabry, P.**, Yan, X. *The Shared BigData-Gateway Project:* *Collaborative Archive & Data Research Environment (CADRE).* A report to the Collection Development Officers of the Big Ten Academic Alliance at the American Library Association Midwinter Meeting. January 25, 2019; Seattle, WA.
7. Wittenberg, J., Van Rennes, R., Pentchev, V., **Mabry, P.**, Yan, X. *Computational Research for Everyone: A New Model for Shared Big Data Infrastructure in Academic Libraries*. Lightning talk, Annual meeting of the Association of College & Research Libraries (ACRL 2019). April 10-13, 2019; Cleveland, OH.
8. Pentchev, V., Yan, X., **Mabry, P.**, Wittenberg, J., & Van Rennes, R. *Update on Collaborative Archive & Data Research Environment* (CADRE). NSF Big Data Hubs Data Sharing and Cyberinfrastructure Work Group. May 3, 2019; via Zoom.
9. Wittenberg, J., Van Rennes, R., Pentchev, V., **Mabry, P.**, Yan, X. *The Shared BigData-Gateway Project:* *Collaborative Archive & Data Research Environment (CADRE).* A poster presented at the Research Data Alliance 12th Plenary Meeting, November 6, 2018; Gaborone, Botswana.
10. Yan, X., Pentchev, V., **Mabry, P.**, Wittenberg, J., & Van Rennes, R. *The Shared Big Data Gateway (SBD-Gateway) project: Collaborative Archive & Data Research Environment (CADRE).* A poster presented at the All Hands Meeting of the Midwest Big Data Hub. November 5, 2018; Columbus, Ohio.
11. Wittenberg, J., Van Rennes, R., Pentchev, V., **Mabry, P.**, Yan, X. *Shared BigData Gateway for Research Libraries.* A presentation to the Product Owner Committee of the Shared BigData Gateway project. October 23, 2018, Bloomington, Indiana.
12. **Mabry, P.L.** (Invited; presenter and moderator), *Building a Community for Systems Science
and Health Behavior Policy.* As part of a panel: *The Future of Modeling Social Dynamics and Health Behavior: Learning from the Past.* University of Pittsburgh, Graduate School of Public Health. October 26, 2018; Pittsburgh, PA.
13. **Mabry, P.L.**, *Addressing Health Disparities in the Era of Modeling and Big Data*. Invited presentation as part of the panel on Big Data and Systems Science, part of the NIH National Institute in Minority Health and Health Disparities (NIMHD) *Health Disparities Research Institute*. Panel Chair: Xinzhi Zhang, NIMHD; Moderator: **Patricia L. Mabry,** Indiana University. July 25, 2018, Washington, D.C.
14. **Mabry, P.L.** Panel Chair and Speaker, S*ystems Science to Improve Health Behavior Policy Decision Making: Gaps and Opportunities*. Invited presentation as part of a panel on Computational Social Science in Health and Medicine, *10th* *International Conference on Social Computing, Behavioral and Cultural Modeling and Prediction with Behavioral Representation in Modeling and Simulation* (SBP-BRiMS). July 12, 2018, Washington, D.C.
15. Wang, Y.C., Lee, M., **Mabry, P.L.** *Simulation Modeling for Policies Addressing Health Behaviors: The State of the Field and Future Directions.* Part of a panel, *Health Policy Modeling: Research and Methods Needed to Evaluate Emerging Policies* at the American Society of Health Economists Conference (ASHEcon). June 11, 2018. Atlanta, GA.
16. **Mabry, P.L.** *Strategies for Strengthening Grant Proposals Submitted to the NIH.* Indiana University School of Public Health, Bloomington. Bloomington, IN; October 6, 2017.
17. **\*\*Mabry, P.L.** *Systems Science and Health: Making a Difference in the 21st Century.* Invited keynote speaker, International Systems Science Society. Vienna, Austria; July 12, 2017.
18. Fortunato, S., **Mabry, P.L.**, Wang, K., & Yan, X. Workshop, *Strengthening Reproducibility in Network Science*, as a satellite of NetSci 2017. Indianapolis, IN; June 19, 2017.
19. Coronges, K. & **Mabry, P.L.** *Symposium for the Society of Young Network Scientists,* held as a satellite of NetSci 2017. Indianapolis, IN; June 20, 2017 <https://www.networkscienceinstitute.org/syns>
20. **Mabry, P.L.,** *Strategies for Strengthening Grant Proposals.* Presented as part of the Indiana University Social Science Research Commons (SSRC) Workshop in Methods. February 10, 2017; Bloomington, IN.
21. Menczer, F. & **Mabry, P.L.**, *Observatory on Social Media.* A sidebar presentation to DARPA Program Manager, Jonathan Pfautz, regarding Computational Simulation of Online Social Behavior Program Solicitation number: HR001117S0018. Washington, D.C., February 6, 2017.
22. **\*Mabry, P.L.**, *Systems Science to Aid Derivation of Dietary Guidelines for Americans.* Invited presentation delivered to the National Academies of Sciences, Engineering and Medicine, Health and Medicine Division, Committee to Review of the Process to Update the Dietary Guidelines for Americans. Washington, D.C., January 10, 2017.
23. **Mabry, P.L.**, *Capabilities of the Indiana University Network Science Institute.* Selected for presentation atDARPA Proposers Day Next Generation Social Science. Washington, D.C. March 22, 2016.
24. Lee, J., Watson, P., **Mabry, P**., Panzer, R., Hamrick, J., & Murray, D.M. Advancing Prevention Research at the NIH: The Development of the Prevention Research Expertise Survey and Tool. Society for Prevention Research Annual Meeting. San Francisco, CA; May 31, 2016.
25. **Mabry, P.L.** *Prevention Science Methods for Health Disparities Research*. A lecture in the two-week long, 2015 NIMHD Translational Health Disparities Course, Integrating Principles of Science, Practice and Policy in Health Disparities Research. *Module 6: Population Health and Prevention Science Methods*. Bethesda, MD; August 12, 2015. <http://www.nimhd.nih.gov/2015_HDcourse.html>
26. **Mabry P**.**L.** *Systems science to support translation and implementation science: An NIH perspective Simulation.* Modeling and Systems Science in Implementation Research Workshop. Sponsored by the NIH National Heart, Lung, and Blood Institute’s (NHLBI) Center for Translation Research and Implementation Science (CTRIS). July 8-9, 2015; Bethesda, MD.
27. **Mabry P.L**., Villani J., Wu J., Lee J., Myles R., Murray D., Chan F., Hutchins B.I., Christian C., Johnson C., Lau W. & Santangelo G. *Applying the Portfolio Learning Tool to Prevention Research.*  A poster to be presented at two venues: 1) the NIH Office of Behavioral and Social Sciences Research (OBSSR) 20th Anniversary Research Symposium Poster Session, June 25, 2015 Bethesda, MD; and 2) the NIH Portfolio Analysis Symposium, hosted by the NIH Office of Portfolio Analysis. July 21, 2015; Bethesda, MD.
28. **Mabry P.L.** *Systems Science to Support Translation Research and Implementation Science: An NIH Perspective.* Invited presentation at the Simulation Modeling and Systems Science in Implementation Research Workshop, sponsored by the Center for Translation Research and Implementation Science (CTRIS) of the National Hearth Lung and Blood Institute (NHLBI), NIH. July 8, 2015; Bethesda, MD.
29. **Mabry P.L**., Murray D., Villani J., Wu J., Lee J., Myles R., Carter-Nolan P., Yousif, L., Panzer R., Hamrick J., & Udo I. *Systematic Characterization of the NIH Prevention Research Portfolio.* A poster presented at three venues: 1) OBSSR 20th Anniversary - Healthier Lives Through Behavioral and Social Sciences Research: A Capitol Hill Exhibition & Reception, sponsored by the Coalition for the Advancement of Health Through Behavioral and Social Sciences Research (CAHT-BSSR), June 24, 2015, Washington, DC; 2) NIH Office of Behavioral and Social Sciences Research (OBSSR) 20th Anniversary Research Symposium Poster Session, June 25, 2015 Bethesda, MD; 3) the NIH Portfolio Analysis Symposium, hosted by the NIH Office of Portfolio Analysis. July 21, 2015 Bethesda, MD.
30. **Mabry P.L.** *Forging a Career Path at NIH: A Case Study of a Behavioral Scientist.* Lunchtime series for professional development. Hosted by IQ Solutions, Inc. June 15, 2015, Rockville, MD.
31. **Mabry P.L.** (panelist). Presidential Roundtable, following the Presidential address, *Reducing Health Inequalities by the Application of Best Scientific Knowledge, Methods, and Interventions: What the Society for Prevention Research Can Do*. Society for Prevention Research Annual Meeting. May 27, 2015, Washington, D.C.
32. **Mabry P.L.,** Wu J, Villani J, Chan F, Hutchins BI, Udo I, & Murray D. Strategic Priority I Update: *Characterizing the NIH Prevention Research Portfolio: A Work in Progress*. NIH Prevention Research Coordinating Committee (PRCC) meeting. Bethesda, MD, Date: May 12, 2015.
33. **\*Mabry P.L.**, *Promoting the Best Methods for Prevention Research: Modeling and Simulation: Validation and Best Practices*. An invited presentation to the Board on Mathematical Sciences and Their Applications, Division on Engineering and Physical Sciences, National Research Council of the National Academies. Washington, D.C., May 8, 2015.
34. Wu J., Villani J., Chan F., Hutchins B.I., Udo I., Santangelo G., Johnson C., Murray D. & **Mabry, P.L. (Team Lead)**. *Characterizing the NIH Prevention Research Portfolio: A Work in Progress*. NIH Portfolio Analysis Interest Group meeting (PAIG). Bethesda, MD, Date: March 10, 2015.
35. **Mabry P.L.** *Promoting the Best Methods for Prevention Science: Enhancing Inquiry in Health Disparities Research*.   Invited presentation. National Institute on Minority Health and Health Disparities (NIMHD) Health Disparities Science Visioning Meeting. January 26, 2015, Rockville, MD.
36. **\*\*Mabry P.L.** Presenter, keynote panel entitled, “*Surviving and Thriving in Public Health: The Past, Present, and Future of Social Sciences*.” Invited speaker for a day-long symposium entitled, “*The Future of Social Science and Public Health*.” Hosted by the Department of Sociomedical Sciences, Columbia University. November 7, 2014, New York, NY.
37. **Mabry P.L.** Panel member, *Reporting Standards in Analysis*. Journal Standards for Promoting Reproducible Research in the Social-Behavioral Sciences. An action-focused workshop. November 3-4, 2014, Center for Open Science, Charlottesville, Virginia.
38. **Mabry P.L.** *Simulation Models in Public Health: What They Are and Why We Should Use Them.*Presented as part of the Academy Health Webinar Series: Simulation as a Tool to Inform Health Policy; Part I: Introduction to Health Systems Simulation for Policy. October 23, 2014, Academy Health Headquarters, Washington D.C.
39. **Mabry P.L.** *Network Analysis in Obesity Research: The Road Ahead*. Invited presentation for the meeting, *The Social Network: A Systems Approach to #ChildhoodObesity,* organized and hosted by the Global Obesity Prevention Center at Johns Hopkins University. October 22, 2014, Baltimore, MD.
40. **\*\*Mabry P.L.** *Embracing the Best Methods for Prevention Research: 21st Century Methods for Demographers*. Keynote address to the Annual Meeting of the Southern Demographic Association (SDA). Thursday, October 16, 2014, Memphis, Tennessee.
41. **Mabry P.L.**, Wu J., Villani J., Murray D. *Office of Disease Prevention, Strategic Priority One Progress Report: Development of a Portfolio Analysis Tool for Prevention Research*. NIH Prevention Research Coordinating Committee. September 9, 2014 Rockville, MD.
42. **Mabry, P**.**L.** & Panzer, R. *Prevention Abstract Classification Tool (PACT): A custom software application to support team coding of grant awards.* Presented at the NHLBI-sponsored, “NIH IC Applications Show & Tell #4”. September 4, 2014, Bethesda MD.
43. **Mabry, P.L.** Co-Chair (with Regina Bures, NICHD) Envision Summit: August 21-22, 2014; Washington, DC.
44. **Mabry, P.L.** *Systems Science as a Tool for Understanding and Addressing Health Disparities.* 2014 NIMHD Translational Health Disparities Course: Introduction to the Principles and the Practice of Health Disparities Research, *Module 8: Application of Data, Measures, and Methods in Addressing Health Disparities.* Sponsored by the National Institutes of Minority Health and Health Disparities. August 20, 2014. Bethesda, MD.
45. **Mabry P.L.**, Wu J., Villani J., Chan F., Hutchins B.I., Udo I., Santangelo G., Johnson C., Murray D. *Developing a Portfolio Analysis Tool for Prevention Science: A Work in Progress*. Poster presented at the NIH Portfolio Analysis Poster Meeting, sponsored by the NIH Office of Portfolio Analysis. July 23, 2014, Bethesda, MD.
46. **Mabry, P.L.** *The Quest to Become a Data Scientist.*  Lecture for the National Institute of Nursing Research (NINR) 2014 Big Data in Symptoms Research Boot Camp. July 22, 2014, Bethesda, MD.
47. **Mabry, P.L.** *Systems Science for Prevention Research. Part II: Tobacco Control Example.* Presented at the Office of Disease Prevention seminar series entitled, Sharing Our Considerable Knowledge (SOCK). July 9, 2014, Rockville, MD.
48. Wagenaar, A., Burris, S., Flay, B., (presenters) **Mabry, P.L.** & Compton, W. (discussants). *Law as a Preventive Intervention: Theory and Methods*. Annual meeting of the Society for Prevention Research. May 28, 2014, Washington, D.C.
49. **Mabry, P.L.** *Systems science for prevention research: A brief introduction and potential applications.* Presented at the Office of Disease Prevention seminar series entitled, Sharing Our Considerable Knowledge (SOCK). May 1, 2014, Rockville, MD.
50. **Mabry, P.L.** *Systems Science for Mental Health Services Research: NIH Funding Opportunities*. NIMH Mental Health Services Research Workshop. April 23, 2014, Bethesda, MD.
51. Hammond, R., Luke, D., Estrin, D. (presenters), Stoney, C. (Chair), & **Mabry, P.L.** (discussant). *Innovative Approaches to Improve the Reach, Delivery and Impact of Behavioral Interventions.* Presented at the NHLBI-sponsored workshop entitled, Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health. April 3, 2014, Bethesda, MD.
52. **\*Mabry, P.L.** *Systems Science for Behavioral and Social Sciences Research: A Look at the Future.* Keynote address for the the 2014 International Conference on Social Computing, Behavioral Modeling and Prediction (SBP12). April 2, 2014, Washington, DC. <http://sbp-conference.org/keynote/>
53. **Mabry, P.L.** (Chair) Ginexi, E.M., & Bloss, G. *Systems Science at NIH: Programmatic Interests Funding Opportunities, and Resources.* Webinar for the University of Buffalo faculty. March 7, 2014, Bethesda, MD. <http://obssr.od.nih.gov/video/systems_science_at_NIH.aspx>
54. **Mabry, P.**L. (2014). *Systems Science: Past, Present, and Future.* Complex Systems, Health Disparities and Population Health: Building Bridges. A meeting convened by the Network on Inequality, Complexity, and Health and sponsored by the NIH Office of Behavioral and Social Sciences Research. February, 25, 2014, Bethesda, MD. <http://conferences.thehillgroup.com/UMich/complexity-disparities-populationhealth/agenda.html>
55. **Mabry, P.**L. & Philogene, G.S. *Social Work Research in the Era of Big Data:
BD2K, Systems Science, and mHealth.* Society for Social Work Research, Annual Meeting. January 16, 2014. San Antonio, TX.
56. **Mabry, P.L.** *Lessons from Sponsoring Inter-disciplinary Modeling Efforts.*Presented at a grantee meeting of the Scientific Workforce Analysis and Modeling (SWAM) project <http://meetings.nigms.nih.gov/assets/SWAMoct2011/2011_1_13_SWAM_White_Paper_Final_for_SC.pdf> October 29, 2013. The Ohio State University – John Glenn School of Public Affairs, Columbus, OH.
57. **Mabry, P.L.**  Panel member, *Exploring Federal Use of Systems Science: Expanding the Tent of Public Policy Research and Evaluation*. Panel Chair: Margaret Hargreaves, Mathematica Policy Research. Presented at the 27th Annual Conference of the American Evaluation Association. October 19, 2013. Washington, DC.
58. **Mabry, P.L.** Lunch Workshop presenter (invited). *Systems Science: Innovative Methods for Epidemiology.* American College of Epidemiology annual meeting. Louisville, KY, September 23, 2013.
59. **Mabry, P.L.** MAC Workshop Chair and presenter. Presentation title: *Funding Opportunities, Training, and Programmatic Interest in Systems Science at NIH.* Workshop title: *Enhancing the Epidemiologist’s Research Toolbox: An Introduction to Systems Science.*  Invited Pre-conference Workshop (with peer review; includes six other presenters); venue arranged by the Minority Affairs Committee (MAC) of the American College of Epidemiology (ACE) at the annual meeting. Louisville, KY, September 21, 2013.
60. **Mabry, P.L.** *Systems Science Applications in Childhood Obesity Research: Current Status and Future Directions*. Invited presentation. Part of the *Seminar Series and Webcast in Systems Science and Obesity* organized by the Johns Hopkins Global Center on Childhood Obesity. Baltimore, MD. September 18, 2013. <http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-global-center-on-childhood-obesity/webcasts/20130918_Mabry.html>
61. **Mabry, P.L.** *Creating a Health Policy Agenda for the Paso Del Norte Region Using Community Engagement and Systems Science.* Invited presentation given to the College of Health Sciences at the University of Texas, El Paso. El Paso, Texas, August 29, 2013.
62. **Mabry, P.L.** *Overview of Systems Science Methods for Addressing Health Disparities.* Module 8: Applications of Data, Measures, and Methods in Addressing Health Disparities. Presented as part of the NIMHD Translational Health Disparities Course: Introduction to the Principles and Practice of Health Disparities Research. Sponsored by the National Institute of Minority Health and Health Disparities. Bethesda, MD, August 14, 2013.
63. **Mabry, P.L.** Organizer and Discussant*. How Systems Science and Statistical Approaches Can Help Address Obesity.* Presented as part of a Topic Contributed Paper Session entitled, *Statistical Modeling and Systems Science in Studies of Childhood Obesity,* inthe Health Policy Statistics Section of the 2013 Joint Statistical Meetings.Montreal, Quebec, Canada; August 4, 2013. <http://www.amstat.org/meetings/jsm/2013/onlineprogram/ActivityDetails.cfm?SessionID=208558>
64. **Mabry, P.L.** *Modeling and Simulation: Tools for Tobacco Control Policy*. Presented at: *Harnessing Research Evidence and Capacity to Inform Tobacco Control in Low- and Middle-Income Countries*, sponsored by the NIH Fogarty International Center (FIC). Bethesda, MD. June 26, 2013.
65. **Mabry, P.L.** *Systems Science Methods to Engage Communities in Dissemination and Implementation Research.* Oral presentation (by phone and web) to the Clinical and Translational Science Awards (CTSA) Comparative Effectiveness Research (CER) Key Function Committee. May 13, 2013.
66. **Mabry, P.L.** *Behavioral Digital Epidemiology: Current Research and Future Directions.* Invited presentation at the International Workshop on Digital Epidemiology. Fondazione ISI (ISI Foundation, or the International Foundation for Scientific Interchange), Turin, Italy, May 31, 2013. <http://www.isi.it/sites/default/files/Mabry.pdf>
67. **Mabry, P.L. (discussant)** for session that included two oral papers:*Putting Systems Science in the Mix: How Does It Add Value?*by Huang, T. T.-K. and *Predicting the Health Consequences of Changing Obesity Prevalence Using Micro-Simulation*by McPherson, K. Presented at the Johns Hopkins Global Center on Childhood Obesity, 1st Annual Scientific Symposium: *Innovations in Childhood Obesity Prevention: Systems Thinking and Systems Change*. April 9, 2013; Baltimore, MD.
68. Edward Ip, Qiang Zhang, Ji Lu, Laurette Dube and **Patricia Mabry**. *Feedback dynamic between emotional reinforcement and healthy eating: An application of the reciprocal Markov model\*.* Presented at the International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction (SBP13). \*This paper was selected at **Best Paper** of the conference. Washington, DC. April 3, 2013.
69. **Mabry, P**.**L.** *Tobacco Policy Modeling Workshop: Recap of the Meeting.* By invitation. Presented to the NIH Tobacco and Nicotine Interest Group. March 27, 2013.
70. **Mabry, P.L.** *Infrastructures that Foster Systems Science and Health Behavior*. Invited presentation at the annual meeting of the American Academy of Health Behavior. Santa Fe, NM, March 20, 2013.Note: due to travel moratorium, presented via webcast.
71. **Mabry, P.L.** (organizer and Symposium Chair). Session title: *Illustrative Mathematical Modeling In Scientific Workforce Analysis.* A special symposium in the NIH Behavioral and Social Sciences Research Lecture Series. Sponsored by the Office of Behavioral and Social Sciences Research, Office of the Director, NIH. Speakers: Navid Ghaffarzadegan, Ph.D., Massachusetts Institute of Technology & The Ohio State University; Richard C. Larson, Ph.D., Massachusetts Institute of Technology; Joshua D. Hawley, Ed.D., The Ohio State University. Rockville, MD., March 7, 2013.
72. **Mabry, P.L.** *Systems Science for Decision Support Systems in Mental Health Services*. By invitation. Presented at the National Institute of Mental Health Staff Retreat; Rockville, MD. February 11, 2013.
73. **Mabry, P.L.** & Esposito, L. Co-Chairs *Systems Science Café.* Half-day meeting of investigators and trainees of the Johns Hopkins Center for Childhood Obesity at NIH in order to hear relevant presentations by NIH program staff and intramural scientists, and tour of the Metabolic Clinical Research Unit where intramural research is conducted. November 16, 2012.
74. **\*\*Mabry, P.**L., *Systems Science Applications in the Behavioral and Social Sciences: Opportunities and Challenges at the National Institutes of Health.* By invitation. Keynote address presented at the annual meeting of the Association for the Advancement of Artificial Intelligence (AAAI); Arlington, Virginia, November 4, 2012.
75. **\*Mabry, P.L.**, *Validation, Verification, and Uncertainty Quantification for Behavioral and Social Science Models*. An invited presentation to the Board on Mathematical Sciences and Their Applications, Division on Engineering and Physical Sciences, National Research Council of the National Academies. Washington, D.C., October 26, 2012.
76. **Mabry, P.L.** *Systems Science Methodologies: Modeling and Simulating Real-World Complexity.* An invited poster presented at the *2012 NIH Behavioral and Social Sciences Research Retreat*. Bethesda, MD, October 22, 2012.
77. **Mabry, P.L.** & Bures, R. (Co-Chairs). *3rd Envision Summit*. July 30-31, 2012. Washington, D.C.
78. **Mabry, P**.L. *An Application of Systems Science: A System Dynamics Model of Changes in NIH Appropriations.* This was a review of an unpublished paper modeling the unintended consequences of the doubling of the NIH budget and implications for future budget planning. Presented at the Office of Behavioral and Social Sciences Research Staff Meeting. Bethesda, MD, July 10, 2012.
79. **Mabry, P.L.** *Systems Science Methodologies: Funding Opportunities and Activities at NIH*. Invited presentation to the Network on Inequalities, Complexity and Health. Washington, D.C., June 21, 2012.
80. Sims, B.E. (Panel Chair), Allison, S., Crump, A., Ginexi, E.M., Haverkos, L., **Mabry, P.**, Massetti, G., Scott, M., & Supplee., L. *NIH Grant Opportunities - Ask the Fed: An Open Forum on Federal Funding for Prevention Science*. Panel session presented at the meeting of the Society for Prevention Research. Washington, DC. May 31, 2012.
81. Ginexi, E., **Mabry, P.L.**, & Hassmiller-Lich, K. (Co-Chairs). *System Dynamics Modeling: Applications for Prevention Research*. A pre-conference workshop in conjunction with the [20th Annual Meeting of the Society for Prevention Research](http://www.preventionresearch.org/2012-annual-meeting/). Washington, D.C.; May 29, 2012.
82. **Mabry, P.L.** *Tobacco Policy Modeling: Potential to Inform Decision Making*. An invited presentation to the State and Community Tobacco Control Initiative Steering Committee. This is a network of grantees funded by the Tobacco Control Research Branch of the National Cancer Institute under a set of U01 cooperative agreements (RFA-CA-10-008). Washington, D.C., May 10, 2012.
83. **Mabry, P.L.** (presenter)Breen, N., Bures, R., Czajkowski, S., Light, E., King, R., McDonald, P., Michels, K., Nowjack-Raymer, R., Phillips, J., Spittel, M. Nielsen, L., & Srinivasan, S. *Social Stratification/Mobility across the Lifecourse: Clarification and Portfolio Analysis*. A Presentation to the Basic Behavioral and Social Sciences Research Opportunities Network (OppNet) Steering Committee. Bethesda, MD, May 3, 2012.
84. **Mabry, P.L.** *NIH Activities and Funding Opportunities in Systems Science.* An invited presentation to the UNC-Duke Faculty Retreat. Via webcast, April 26, 2012.
85. Osgood, N. & **Mabry, P.L.** *Public Health Concepts: An Introduction for Modelers.* Presented as a tutorial at the *2012 International Conference on* *Social Computing, Behavioral Modeling and Prediction (SBP12).*  College Park, MD, April 2, 2012.
86. **Mabry, P.L.** *Fueling Breakthroughs in Cancer Control Research: Methodological and Technological Innovation for Behavioral and Social Science Research*. An invited presentation to the Division of Cancer Control and Population Sciences of the National Cancer Institute. Bethesda, MD, March 26, 2012.
87. **\*\*Mabry, P.L.** *System-Driven Insights For Reinventing Healthcare Delivery: How NIH Can Help.* Keynote address, Second Annual Aspinwall Symposium. Worcester Polytechnic Institute, Worcester, MA, March 21, 2012. <http://www.wpi.edu/research/hdi/symposium12.html>
88. **Mabry, P.L.** & Orenstein, D. *Using System Dynamics to Inform Community Level Policy Decisions: An Example Using PRISM.* As part of a panel entitled, “*Systems Science Methodologies to Enhance Dissemination and Implementation Research*”. [5th Annual Conference on the Science of Dissemination and Implementation: Research at the Crossroads](http://conferences.thehillgroup.com/obssr/di2012/about.html). Bethesda, MD, March 19, 2012.
89. **Mabry, P.**L. *Systems Science for Public Health Application.* An invited presentation and part of a webinar entitled, Systems Science: A New Approach to Health Promotion Research & Practice, sponsored by the Society for Public Health Education (SoPHE). February 21, 2012.
90. **Mabry, P.L.** *Statistical and Computational Modeling for Obesity Policy: Envision Update.*  An invited presentation to the NIH Obesity Research Task Force. Bethesda, MD; January 18, 2012.
91. **Mabry, P.L.** & Bures, R. (Co-Chairs). *2nd Envision Summit*. February 1-3, 2012. Washington, D.C.
92. **\*Mabry, P.L.** (Invited Discussant). [*Emerging Technologies for Measuring Individual Exposomes*](http://nas-sites.org/emergingscience/workshops/individual-exposomes/)*.* Convened by the National Academies Committee on Emerging Science for Environmental Health Decisions. Washington, D.C.; December 8-9, 2011.
93. **Mabry, P.L.** & Spittel, M. (Co-Chairs). (2011). *An Overview and Introduction to Systems Science at NIH*. Two one-hour presentations to the NIH Behavioral and Social Sciences Research Coordinating Committee. Rockville, MD; November 4 and December 2, 2011.
94. **Mabry, P.L.** (2011). *Activities and funding opportunities at OBSSR: Systems Science and Beyond*. Invited presentation as part of a symposium entitled, “Systems Science and Public Health”. Annual meeting of the American Public Health Association (APHA). November 2, 2011; Washington, D.C.
95. Urban, J.B., **Mabry, P.L.,** Osgood, N., Okamoto, J., Lich, K.H. (2011).*Developmental Systems Science: Extending Developmental Science with Systems Science Applications. (2011).* Presented at a workshop entitled, *Inductive Developmental Systems Theory*. State College, PA; October 31-November 2, 2011. The purpose of this conference was to bring together leaders in developmental psychology, biological systems theory, life span psychology, econometrics, systems science and psychometrics. The focus was on integration of the diverse strands of specialized systems theory and simulation methodology with the innovative statistical modeling techniques into an effective research agenda. The results of this conference will be published in the form of a Handbook. See Publications, first author, Urban. Slides available at: <http://www.hhdev.psu.edu/dsg/conference-inductive-developmental-systems-theory>
96. **Mabry, P.L.** (2011). *NIH Best Practices for Mixed Methods Research: Guidelines for Combining Qualitative and Quantitative Methods*. Invited presentation for the 62nd Annual Meeting of the Society for Public Health Education (SoPHE). Arlington, VA; October 28, 2011.
97. **Mabry, P.L.** (2011). *Systems Science Research: Opportunities at NIH.* Data Science Epidemiology Workshop. Convened by the Center for Infectious Disease Dynamics, at The Pennsylvania State University. State College, PA; October 7, 2011.
98. **Mabry, P.L.** & Spittel, M. (2011). *System Science Methodologies: A Brief Introduction for
Prevention Scientists at NIH.* An invited presentation to the NIH Prevention Research Coordinating Committee. Rockville, MD; September 13, 2011.
99. **Mabry, P.L.** (2011). *Funding Opportunities at NIH for Systems Science Research.* 29th International Conference of the System Dynamics Society. Crystal City, VA; July 26, 2011.
100. **Mabry, P.L.** (Chair), (2011). Rahmandad, H., Hovmand, P., Brennan, L., and Ammerman, A. (2011). *Harnessing Systems Science Methodologies To Inform Public Policy: System Dynamics Modeling For Obesity Policy In The Envision Network.* A special mini-symposium as part of the Behavioral and Social Sciences Research Lecture Series. Sponsored by the Office of Behavioral and Social Sciences Research, NIH. Rockville, MD; July 15, 2011.
101. Czajkowski, S., **Mabry, P.L.**, & Onken, L. (Co-Chairs). (2011). *From Discovery to Public Health Impact: New Approaches to Developing, Testing & Optimizing Behavioral Interventions*. A pre-conference workshop in conjunction with the annual meeting of the Society of Behavioral Medicine. Washington, D.C., April 26, 2011.
102. **Mabry, P.L.** (2010). *NIH New Directions in Tobacco and Systems Science Research, A Breakfast Discussion with Patricia L. Mabry, PhD.* Roundtable sponsored by the University of Pittsburgh ReSET Center (Reduce Smoking and Exposure to Tobacco Center at). Pittsburgh, PA; November 17, 2010.
103. **Mabry, P.L.** (2010). *Simulation Modeling to Inform Tobacco Control Policies*. Invited talk, University of Pittsburgh, Public Health Dynamics Seminar Series. Pittsburgh, PA; November 16, 2010.
104. **Mabry, P.L.** (2010). Moderator for the panel: *The Science of Research Networks and Centers.* Part of the conference, Making the Difference in Tobacco-Related Health Disparities Science: TReND Progress, Process, and Opportunities for Future Investment. Sponsored by the Tobacco Control Research Branch of the National Cancer Institute and the American Legacy Foundation. Bethesda, MD. October 25-26, 2010.
105. **Mabry, P.L.** (2010). *A New Set of Tools in the Health Disparities Researcher’s Toolkit: Systems Science Methodologies*. A lecture within the course, Integrating Principles of Science, Practice and Policy in Health Disparities Research. *Module 4: Social Determinants of Health and Disparities.* Sponsored by National Institute on Minority Health and Health Disparities (NIMHD). Bethesda, MD; September 23, 2010.
106. **Mabry, P.L.** & Huang, T.T., Co-Chairs Envision Summit. September 21-22, 2010. Washington, D.C.
107. **Mabry, P.L.** (2010). *Funding Opportunities at NIH for Engineers and Computer Scientists: Focus on Behavioral & Social Sciences Research.* Presented as part of a workshop entitled, [*Research Funding for Data Infrastructure and Computational Methods*](http://www.wcci2010.org/workshops) at the [IEEE World Congress on Computational Intelligence](http://www.wcci2010.org/) (WCCI). Co-Organized by Fahmida Chowdhury (NSF) and **Patricia Mabry**. Barcelona, Spain; July 18-23, 2010.
108. **Mabry, P.L.** (2010). *Funding Opportunities at NIH for Engineers and Computer Scientists: Focus on Behavioral & Social Sciences Research*. Presented at the American Control Conference. Baltimore, MD; July 1, 2010.
109. **Mabry, P.L.,** Discussant, *The Application of System Sciences Methodologies to Prevention Research, Invited Symposium.* Presented at the [Society for Prevention Research18th Annual Meeting "Cells to Society: Prevention at All Levels"](http://www.preventionresearch.org/meeting.php). Denver, CO, June 2, 2010. Abstracts available on pp. 44-45 at <http://www.preventionresearch.org/Final_Press.pdf>
110. **Mabry, P.L.**, Co-Chair (with Elizabeth Ginexi, NIDA; Linda Collins, Penn State)*,* [*Systems Science Methodologies for Prevention Research*](http://methodology.psu.edu/spr2010systems)*,* A day long preconference workshop presented at the [Society for Prevention Research18th Annual Meeting "Cells to Society: Prevention at All Levels"](http://www.preventionresearch.org/meeting.php). Denver, CO, June 1, 2010.
111. **Mabry, P.L.** (2010). [Would You Trust Agent-Based Models With Your Health?](http://www.almaden.ibm.com/institute/resources/2010/Presentations/Mabry%20Panel.pdf) As part of a panel *Would You Trust Models with Your Health?* At the IBM Almaden Institute, *Smarter Health through Modeling and Simulation*, April 28-29, 2010; Almaden, CA.
112. **Mabry, P.L.** (2010). [*Informing Health Policy Decision-Making with Community Level System Dynamics Modeling*](http://aaas.confex.com/aaas/2010/webprogram/Paper2454.html)*.* Presented as part of a symposium, [*Science in Motion: Addressing Complex Health Problems Through Upstream Solutions*](http://aaas.confex.com/aaas/2010/webprogram/Session1793.html) at the [2010 AAAS Annual Meeting](http://www.aaas.org/meetings/2010/) themed, Bridging Science to Society. San Diego, February 20, 2010.
113. **Mabry, P.L.** (2009). *Systems Science: Exploring the Application of Non-Linear Methods to Developmental Science Questions.* Presented at the [Sixth Biennial Meeting of the Society for the Study of Human Development, themed, *Human Development: Earlier Influences on Later Life Outcomes*](http://www.sshdonline.org/meetings.htm). Ann Arbor, MI; October 18-20, 2009.
114. **Mabry, P.L.** (2009). *A System Dynamics Model of Cardiovascular Disease Risk: Identifying Policy Levers in a Local Context*. [*First Annual Workshop on Dynamic Modelling for Health Policy: Obesity & Obesity Related Chronic Disease*](http://www.healthpolicymodellingworkshop.ca/images/FirstAnnualWorkshop/schedule%20v6.pdff). Saskatoon, Saskatchewan, Canada; July 22-24, 2009.
115. **Mabry, P.L.** (2009). *Systems Science and Health at NIH and Beyond: Areas of Interest and Funding Opportunities,* as part of a special session entitled, [*Control Engineering and Related Systems Approaches for Improving Behavioral Health*](http://a2c2.org/conferences/acc2009/special-behavioral.htm)*.* Presented at the [2009 American Control Conference](http://www.a2c2.org/conferences/acc2009/), St. Louis, MO; June 10-12, 2009.
116. **Mabry, P.L.** (2009). [Second International Workshop on Social Computing, Behavioral Modeling, and Prediction](http://www.public.asu.edu/~huanliu/sbp09/) (SBP09). Tempe, AZ; March 31-April 1, 2009.
117. **Mabry, P.L.**, Philogene, S. (2009). *Systems Science MethodologiesTo Protect and Improve Public Health*. Presented at the[IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology](http://ewh.ieee.org/conf/ssci/) (CIBCB 2009). Nashville, TN; March 2009.
118. Huang, P., **Mabry, P.L.**, Milstein, R., Orenstein, D., Wile, K. (2009). One-day course, *Crafting Integrated Strategies to Prevent and Manage Chronic Disease Using System Dynamics*. Presented as part of the [2009 National Association of Chronic Disease Directors (NACDD) Chronic Disease Academy](http://www.chronicdisease.org/i4a/pages/index.cfm?pageid=3579); March 25, 2009.
119. **Mabry, P.L.**, Huang, T. (2009). *Systems Science at NIH.* Presented at the [AAAI Spring Symposium on Technosocial Predictive Analytics](http://predictiveanalytics.pnl.gov/aaai_symposium/), sponsored by the Association for the Advancement of Artificial Intelligence. Palo Alto, CA; March 23-25, 2009.
120. **Mabry, P.L.,** (2008). *Brief History of OBSSR Collaborative Work in Systems Science and Health.* Presented as part of the ASysT Prize Seminar entitled, *Understanding the Dynamic Dimensions of Health Protection Policies* given by the prize winning team, Joyce Essien, Jack Homer, Gary Hirsch, Andrew Jones, Doc Klein, **Patty Mabry**, Bobby Milstein, Diane Orenstein, and Kristina Wile. Arlington, VA; July 25, 2008.
121. **Mabry, P.L.** (2008). *Systems Science Methodologies: Tools for Informing Policy Decisions*. Presented at the [5th Annual Meeting of the Health Technology Assessment Initiative (HTAi)](http://www.htai.org/index.php?id=33). Montreal, Quebec, Canada, July 7-9, 2008.
122. **Mabry, P.** (2008). *Opportunities for Tobacco Modeling at NIH.* Presented at the Tobacco Modeler’s Conference, University of Michigan, Ann Arbor, MI, May 6, 2008.
123. **Mabry, P.L.** & Meissner, H.I. (2008). *Systems Science at the Office of Behavioral and Social Sciences Research, National Institutes of Health.* Presented at the [First International Workshop on Social Computing, Behavioral Modeling and Prediction](http://www.public.asu.edu/~huanliu/sbp08/index.html) (SBP08). Tempe, AZ; April 1-2, 2008.
124. **Mabry, P.L.** (2007). *Systems Science Opportunities for System Dynamicists*. Presented at the [Health Policy Special Interest Group](http://hpsig.com/index.php/HPSIG_Session_on_Chronic_Illness) meeting on Chronic Illness. This meeting was held in conjunction with the International System Dynamics Society. Boston, MA, July 29-August 1, 2007.
125. Levy, D.T., **Mabry, P.L.**, Orleans, C.T., & Abrams, D.B. (2007). *Modeling Breakthroughs In Treatment Use and Population Quit Rates: What Could We Achieve and How?* [Innovations in Building Consumer Demand for Tobacco Cessation Products and Services](http://www.consumer-demand.org/index.htm). Washington, D.C. May 3, 2007.
126. **Mabry, P.L.** (2007). *Stimulating Systems Science within the Office of Behavioral and Social Science Research.* Presented at the Society for Behavioral Medicine Annual Meeting; Washington, DC; March 23, 2007.
127. **Mabry, P.L.** (2007). *Opportunities for Behavioral and Social Sciences Research at NIH*. Presented at: Briefing Sessions with Funding Agencies for Social Science and Education Faculty at Carnegie Mellon University, Duquesne University, University of Pittsburgh*.* Arlington, VA; March 19, 2007.
128. **\*Mabry, P.L.** (2006). *Cyberinfrastructure: Enabling Tools for Population Health.* A presentation to the Division of Behavioral and Social Sciences and Education (DBASSE) of the National Research Council (NRC), an operating arm of The National Academies. November 10, 2006.
129. **Mabry, P.L.**, Olster, D.H., Morgan, G.D., Abrams D.B. (2006). [*Strategic Planning for Transdisciplinary Science Within the Office of Behavioral and Social Science Research Science of Team Science*](http://cancercontrol.cancer.gov/brp/scienceteam/OBSSR_StratPlanning_Mabry.pdf)*.* Presented at the [The Science of Team Science: Assessing the Value of Transdisciplinary Research](http://cancercontrol.cancer.gov/brp/scienceteam/presentations_day1.html), October 30-31, 2006.
130. **Mabry, P.L.** (2006). *Systems Thinking: An Introduction*. Presented to the [NIH Obesity Research Task Force](http://www.obesityresearch.nih.gov/about/about.htm). October, 2006.
131. Hartman, A.M., **Mabry, P.L.,** Leischow, S.J., Gibson, J.T. (2006). [*What Does U.S. National Population Survey Data Reveal About Effectiveness/Impact of Nicotine Replacement Therapy on Smoking Cessation?*](http://2006.confex.com/uicc/wctoh/techprogram/P10488.HTM) Presented in a symposium entitled, [*Population Impact of NRT Use*](http://2006.confex.com/uicc/wctoh/techprogram/S290.HTM). Presented at the [13th World Conference on Tobacco OR Health](http://2006.confex.com/uicc/wctoh/techprogram/MEETING.HTM), Washington, D.C., July 14, 2006.
132. **Mabry, P.L.** (2006). *Systems Thinking in Public Health “101”*. Presentation to the [Division of Nutrition Research Coordination](http://dnrc.nih.gov/index.shtml) (DNRC), NIH. July 2006.
133. **Mabry, P.L.**  (2006). *Cyberinfrastructure to Support a Science of Populomics*. Presented in a symposium entitled, *Cyberstructure for Public Health: Digital Government Research Collaborators*. Presented at the [7th Annual International Conference on Digital Government Research (d.go)](http://www.dgrc.org/dgo2006/), San Diego, CA. May 22, 2006.
134. **Mabry, P.L.**  (2006). *Consumer Demand: Innovations in Building Consumer Demand for Tobacco Cessation Products and Services.* Presentation to the Tobacco Control Research Branch at the National Cancer Institute (TCRB/NCI), Rockville, MD, May 2006.
135. **Mabry, P.L.** (2006). *Systems Thinking in Public Health.* Presented at a meeting of the NIH Behavioral and Social Sciences Research Coordinating Committee (BSSR-CC); Bethesda, MD., April 8, 2006.
136. Stoddard, J., Augustson, E., **Mabry, P.L.,** Moser, R., & Jefferson, A. (2005). *Bulletin Board Communication between Participants of a Web-based Evaluation of Smoking Cessation.* An oral presentation at the International Communication Association 55th Annual Conference. New York, NY. May 26-30, 2005.
137. Stoddard, J., **Mabry, P.L.,** Augustson, E., Moser, R., & Jefferson, A. (2005). *The Importance of Usability Testing: Development of an Internet-based Smoking Cessation Resource.* Accepted as an oral paper presentation at the Critical Issues in eHealth conference. Sponsored by NCI and the Robert Wood Johnson Foundation. June 9-10, 2005.
138. Stoddard, J., Augustson, E., **Mabry, P.L.,** Moser, R., & Jefferson, A. (2005). *Building Smokefree.gov: An Internet-based Smoking Cessation Resource*. Presented to the Tobacco Research Opportunity Team (NCI). May 19, 2005, Rockville, MD.
139. **Mabry, P. L**. (2005). *Kick Butts for Good: What Works and What Doesn’t.* An invited presentation to the Loyola College Tobacco Intervention Club. Baltimore, MD, April 13, 2005.
140. **Mabry, P. L**., Fagan, P., Lawrence, D., Marcus, S.E., Morgan, G. D., Leischow, S. J., & Augustson, E. M. (2005). ***Racial differences among “hardcore” smokers: any link to health disparities?***  A poster presented at the Society for Research on Nicotine and Tobacco, 11th Annual Meeting, March, 2005, Prague, Czech Republic.
141. Jefferson, A-M, Raffel, G. Schaefer, S., Augustson, E., **Fiero, P.,** Morgan, G., Moser, R. & Leischow, S. (2004). *Contingency Management to Enhance Smoking Cessation for Cancer Survivors: A Description of Methods and Challenges.* Abstract accepted for presentation at the NCI Tobacco Control Investigators Meeting Synthesizing Research for the Public’s Health. June 2-4, 2004. San Diego, CA.
142. Augustson, E., Wanke, K., Giovino, G., Swan, G., Lerman, C. & **Fiero, P.** (2004). *Transdisciplinary classification of smokers: How shall we define “Hardcore”*. Abstract accepted for presentation at the NCI Tobacco Control Investigators Meeting Synthesizing Research for the Public’s Health. June 2-4, 2004. San Diego, CA; June 2004.
143. **Fiero, P.L.** (2004*). Nicotine replacement therapy and Ecological Momentary Assessment: Exploring novel treatments for tobacco dependence*. Invited speaker, Grand Rounds, University of Virginia Hospital Department of Psychiatry and Behavioral Medicine. Charlottesville, VA, March 2004.
144. **Fiero, P.L.** (2004).*Behavioral aspects of nicotine replacement for tobacco dependence treatment: Limitations of treatment and opportunities for research.*Invited speaker to graduate students and faculty in the Department of Psychology at the University of Virginia (Clinical Area Colloquia). Charlottesville, VA, March 2008.
145. **Fiero, P. L.** , & Hurt, R. (2004). Paper session moderator *Pharmacological Interventions: Mechanisms and Outcomes* at the 10th Annual Meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ, February 18-21, 2004.
146. **Fiero, P.L.** Tooze, J., Moser, R., Augustson, E., Malcolm, J., & Benowitz, N. (2004). ***Understanding and Improving NRT: Nicotine, Cotinine, Craving, Withdrawal and Nasal Spray Use in African American Male Smokers During Early Abstinence.*** Paper presented at the 10th Annual Meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ, February 18-21, 2004.
147. Riley, W., **Fiero, P.,** Jerome, A., & Behar, A. (2003). *Improving Treatment Adherence to Nicotine Replacement via Computerized Scheduled Dosing.* Presented at the *9th Annual meeting of the Society for Research on Nicotine and Tobacco*, February 19-22, 2003 New Orleans, LA.
148. Leischow, S., **Fiero, P.,** Augustson, E., and Morgan, G. (2003). *Core Perceptions needed by clinicians and educators.*  An oral presentation at the World Conference on Tobacco or Health, Helsinki, Finland, August 2003.
149. **Fiero, P.L.** (2003).*Real-Time Data and Subjective States and Events.*Moderator for panel discussion**,** The Science of Real-Time Data Capture: Self-Reports in Health Research Conference, Charleston, SC; September, 2003.
150. Drobes, D.J., Saladin, M.E., Malcolm, R.J., & **Fiero, P.L.,** (2003). Sensitivity to nicotine and familial smoking. Paper presented at the *9th Annual meeting of the Society for Research on Nicotine and Tobacco*, February 19-22, New Orleans, LA.
151. Morgan, G.D., Leischow, S., **Fiero, P.L.**, & Augustson, E. (2002). *Smoking interventions.* Presented at the 23rdth Annual Meeting of the Society of Behavioral Medicine. Washington, D.C., April, 2002.
152. **Fiero, P.L**., (2002). *Translating Research to Practice: Creating Collaboration between Researchers, Public Health Practitioners, and Private Enterprise.* Moderator for panel discussion presented at the 2002 National Conference on Tobacco or Health, San Francisco, CA, November 2002.
153. **Fiero, P.L.**, & Augustson, E. (2002). *Behavioral Aspects of Effective NRT Interventions*. A paper presented at the National Conference on Tobacco or Health, San Francisco, CA, November 19-21, 2002.
154. Drobes, D.J., McClernon, F.J., Saladin, M.E., **Fiero, P.L.**, & Malcolm, R.J. (2002). *A negative affect bias is associated with familial smoking.* Presented at the 8th Annual Meeting of the Society for Research on Nicotine and Tobacco. Savannah, GA February, 2002.
155. Drobes, D.J., McClernon, F.J., Saladin, M.E., **Fiero, P.L.**, & Malcolm, R.J. (2001). Intravenous nicotine alters sensory and attentional processes in non-smokers. Presented at the 7th Annual Meeting of the Society for Research on Nicotine and Tobacco. Seattle, WA, March, 2001.
156. **Fiero, P.L**., Stokes, S., Benowitz, N.L. (2001). *Circadian Patterns of Nicotine And Cotinine During Smoking And Nicotine Replacement In African American Male Smokers: A Description And Evaluation Of Methods.*  Poster presentation at the 2001 National Conference on Tobacco or Health, New Orleans, LA, November 2001.
157. **Fiero, P.L.**, & Shaw, D. (2000). *Computerized Scheduling of Nicotine Inhaler: Six-month Follow-up Data from a Feasibility Trial.* In W. Riley (Chair), *Computerized Scheduled Gradual Reduction: Effective Behavioral and Pharmacological Adjuncts for Smoking Cessation.* Presented at the 2000 Annual Meeting of the Society of Behavioral Medicine, Nashville, TN, April 2000.
158. **Fiero, P.L.**, Jerome, A., Riley, W., Boyd, N.R., Behar, A., Malcolm, R., & Shaw, D.L. (2000). *Scheduled Dosing of Nicotine Inhalators via Hand-Held Computer*. Presented at the Sixth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco. Arlington, VA, February 17-19, 2000.
159. Jerome, A., Behar, A., Riley, W., **Fiero, P.L.**, & Colburn, A. (2000). *Computer-assisted Dosing and Tapering of Nicotine Replacement Treatments for Smoking Cessation.* Paper presented at Partnerships for Health in the New Millennium: Launching Healthy People, 2010, Washington, D.C., January, 2000.
160. Diehl, N.S., Brewer, B.W., Van Raalte, J.L., **Fiero, P.L.**, & Shaw, D. (1999). *Physical and psychological correlates of protective self-presentational exercise behavior.* Paper presented at the annual meeting of the American Psychological Association, Boston, MA; August, 1999.
161. Diehl, N.S., Brewer, B.W., Cornelius, A.E., Van Raalte, J.L., Shaw, D., & **Fiero, P.L.** (1999). *A preliminary test of a model of protective self-presentational behavior in exercise.* Paper presented at the annual meeting of the Association for the Advancement of Applied Sports Psychology, Banff, CA.
162. **Fiero, P.L.**, Jerome, A., Riley, W., Boyd, N.R., Behar, A., Malcolm, R., & Shaw, D.L. (1999). *Using Hand-Held Computers to Schedule Dosage Of Nicotine Inhalers For Smoking Cessation.*  Presented at the 2nd European Conference of the Society for Research on Nicotine and Tobacco. London, England, November 25-16, 1999.
163. Jerome, A., **Fiero, P.L.**, Behar, A., & Bensur A. (1999). *Combining scheduled, gradual reduction with nicotine replacement.* Paper presented at the annual conference of the Society for Research on Nicotine and Tobacco, San Diego, CA, March 1999.
164. Jerome, A. & **Fiero, P.L.** (1998). *Computerized scheduling of nicotine gum: Treatment outcome and one-year follow-up.* Paper presented at the 4th annual meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA., 1998, March.
165. Jerome, A., Behar, A., & **Fiero, P.L.** (1998). *Using hand-held computers for tobacco cessation.* Paper presented at the annual meeting of the American Society for Preventive Oncology, Bethesda, MD. March 1998.
166. **Fiero, P.L.**, & Behar, A. (1997). *Computerized nutrition and exercise intervention*. An oral presentation given to the Consulting Nutritionists of the Chesapeake Bay Area for continuing education credit in the American Dietetic Association, June 1997.

**EDITORIAL POSITIONS**

**Mabry, P.L.** & Bures, R.. Guest Editors (July 2014). *The Application of Systems Science Methodologies to Address Policy-Relevant Obesity Research Questions.* Theme issue of American Journal of Public Health. <http://ajph.aphapublications.org/topic/ssor>

**Mabry, P.L.** & Milstein, B. Guest Editors (October 2013). *Systems Science Applications in Health Promotion and Public Health.* Special issue of Health Education and Behavior*.*  <http://heb.sagepub.com/content/40/1_suppl.toc>

Urban, J. & **Mabry, P.L.**, Guest Editors (2011). theme issue of Research in Human Development entitled, *Embracing Systems Science:  New Methodologies for Developmental Science*.

Salerno, J., Chai, S-K, **Mabry P.L.**, editors (2010). *Proceedings of the 2010 International Conference on Social Computing, Behavioral Modeling, and Prediction (SBP10)\**. Bethesda, MD, March 29-April 1, 2010. Lecture Notes in Computer Science, Springer 6007/2010.

\*According to the publisher, on June 12, 2013, *“[s]ince its online publication on Apr 01, 2010, there has been a total of 8324 chapter downloads for your book on SpringerLink…This means your book was* ***one of the top 25% most downloaded eBooks*** *in the relevant Springer eBook Collection in 2012.*” Emphasis added.

Orleans, C.T., Abrams, D.B., & **Mabry, P.L.**,Guest Editors (2010). Supplement: *Increasing Tobacco Cessation in America: A Consumer Demand Perspective.* American Journal of Preventive Medicine, 38(3Suppl).

**JOURNAL AND PROGRAMMATIC REVIEW POSITIONS (Selected)**

Administration and Policy in Mental Health and Mental Health Services Research 2018

Social Computing, Behavioral-Cultural Modeling and Prediction, joint with Behavioral Representation in Modeling and Simulation. Multiple years 2009-2016.

mHealth Summit. Abstract reviewer. 2013

Abstract Reviewer, 2011 Annual Research Meeting of Academy Health.

Reviewer, Office of Research on Women’s Health (ORWH/NIH) Research Enhancement Awards Program (REAP) Program. Annually, 2006-2009.

Abstract Reviewer, *Society for Research on Nicotine and Tobacco, 9th Annual Meeting*, Tobacco Dependence Treatment area, Scottsdale AZ, February 2004.

Abstract reviewer, Planning Committee member, *The Science of Real-Time Data Capture: Self-Reports in Health Research Conference*. Sponsored by the National Cancer Institute, Charleston, SC, September, 2003.

Abstract reviewer, *National Conference on Tobacco or Health 2002*, Cessation/Nicotine and the Science of Addiction Subcommittee, March, 2002.

American Journal of Community Psychology

American Journal of Preventive Medicine

American Journal of Public Health

Health Education and Behavior

Health Psychology Textbook proposal for Prentice-Hill, Inc.

Biofeedback and Self-Regulation

Milbank Quarterly

New England Journal of Medicine

Nicotine and Tobacco Research

PLoS One

Transactions on Intelligent Systems and Technology

**COMMITTEE MEMBERSHIP**

**Member, Steering Committee.** Systems-science Informed Public Health Economic Research for Non-communicable Disease Prevention Consortium (SIPHER). PI: Petra Sylvia Meier. <https://gtr.ukri.org/projects?ref=MC_PC_18007>

**Member, National Advisory Committee.** Robert Wood Johnson Foundation. *Systems for Action: Systems and Services Research to Build a Culture of Health* (S4A) Program. 2018-2019. <http://systemsforaction.org/about-us/national-advisory-committee>

**Member, Evaluation Committee, NSF National Research Traineeship Award, *Interdisciplinary Training in Complex Networks and Systems***(Award #1735095) PIs: Rocha, Borner, Pescosolido, Razo, Sporns. 2018- present

**Invited participant, Regenstrief strategic planning workgroup. Strategic Initiative 2: Indiana Network on Population Health Initiative.** September 2017.

**Member, planning committee, Data-enabled local communities workshop**, and activity of the NSF Midwest Big Data Hub. 2017.

**Member, Response to** Commission for Evidence Based Policy Making. 2016.

**Health Area Chair, International Conference on Social Computing, Behavioral-Cultural Modeling, and Behavior Representation in Modeling and Simulation.** Washington, D.C., June 28-July1, 2016.

**Member, Advisory Board, Science Vision for Health Disparities Research, National Institute for Minority Health and Health Disparities.** May 2015 – January 2016.

**Member, Reporting Standards in Analysis Subcommittee,** a workgroup associated with the workshop, of the *Journal Standards for Promoting Reproducible Research***.** Theworkshop subcommittees are charged with drafting reporting guidelines on reproducibility and transparency which scientific journals could elect to adopt. The workshop and its activities are funded by the Laura and John Arnold Foundation and sponsored by Berkeley Initiative for Transparency in the Social Sciences, Center for Open Science, & SCIENCE Magazine. November 3-4, 2014, Charlottesville, VA.

**Member, NIH Big Data to Knowledge (BD2K) Executive Committee.** Bi-weekly meetings. 2014-2015.

**OBSSR Representative to the NIH Office of the Director, Deputy Director’s Meeting.** (Bi-monthly meetings and additional conference calls as needed). 2013-2014.

**Member, Review Committee, National Academies Keck Futures Initiative (NAKFI) on Complex Systems.** Review and evaluate outcomes of seed grants awarded in systems science.July – October, 2014.

**Chair, Planning Committee,** *Workshop on Verification, Validation, and Uncertainty Quantification for Behavioral and Social Models* (Spring 2014)*.* The trans-agency Planning Committee for this activity includes: various NIH Institutes and Centers, the National Science Foundation, and several Department of Defense entities (i.e., Air Force Research Lab, Air Force Office of Scientific Research, Office of Naval Research, and Army Research Lab).

**Chair, Planning Committee,** *Tobacco Policy Modeling Workshop***.** The trans-agency Planning Committee for this activity includes: FDA’s Center for Tobacco Products, CDC’s Office on Smoking and Health (OSH), the National Institute on Drug Abuse, and the National Cancer Institute. Bethesda, MD, January 17-18, 2012.

**Member,** Planning Committee, *The Future of HIV Prevention and Treatment: Integrating Innovative Methods with Intervention Science*. A workshop being developed to explore novel and innovative methodologies for addressing challenges in HIV Research. Chairs: Kari Kugler and Elwin Wu. Washington, DC, September 12-13, 2013.

**Member,** Program Planning Committee for the 2013 annual meeting of the American Academy of Health Behavior. Santa Fe, New Mexico. March 17-20, 2013.

**Member,** Steering Committee for U54 grant to support the [Johns Hopkins Global Center for Childhood Obesity](http://www.newswise.com/articles/johns-hopkins-global-center-for-childhood-obesity-established). 2011 – 2015.

**Representative** to the NIH-FDA Tobacco Regulatory Science Workgroup. November 2011-2012.

**Organizing Committee Chair,** [*29th International Conference of the System Dynamics Society*](http://www.systemdynamics.org/). Crystal City, VA; July 24 - 28, 2011.

**Member**, NIH OppNet Concept Team, *Social Gradients, Social Stratification, and Health.* 2010-2012.

**External Advisory Board Member**, conference on *Online Social Networks and Smoking Cessation: Strategic Research Opportunities.* Hosted by the Schroeder Institute for Tobacco Research and Policy Studies, the American Legacy Foundation. September 30 – October 1, 2010; Washington, DC.

**Steering Committee Member**, [*2nd Annual Workshop for Health Policy: Chronic and Infectious Disease Interactions*](http://www.healthpolicymodellingworkshop.ca/index.php?option=com_content&view=article&id=46&Itemid=62), Saskatoon, Saskatchewan, Canada; July 20-22, 2010.

**Member, Objectives/Targets Subgroup of the Healthy People 2020** Federal Interagency Workgroup. 2009-2011.

**Member, Steering and Advisory Committees**, [*Annual International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction*](http://www.umiacs.umd.edu/conferences/sbp2012/index.html) *(SBP)*; 2009-2016.

**Member**, [Academy Health Advisory Committee for the *Health Services Researcher of 2020: Summit II; Summit on the Future of HSR Data and Methods*](http://www.academyhealth.org/About/content.cfm?ItemNumber=2530). Washington, DC; June 1-2, 2009.

**Program Committee Member,** [*AAAI Spring Symposium on Technosocial Predictive Analytics*](http://predictiveanalytics.pnnl.gov/aaai_symposium/), sponsored by the Association for the Advancement of Artificial Intelligence. Palo Alto, CA; March 23-25, 2009.

**Member, Planning Committee,** *Environmental Systems in Public Health Workshop.* This event was sponsored by the NIH National Institute of Environmental Health Sciences (NIEHS). Bethesda MD, September 26, 2008.

**Consensus Panel Member.** Substance Abuse and Mental Health Services Administration (SAMHSA), Center for Substance Abuse Treatment (CSAT), Knowledge Application Program (KAP), Treatment Improvement Protocol (TIP). Detoxification and Substance Abuse Treatment (Revision of TIP 19). Mar-Aug 2002.

**TEACHING**

**\*Instructor,** Treating Tobacco Dependence – a unit in Family Medicine course. 3rd year medical students. Medical University of South Carolina. Charleston, SC. Fall 2001, Fall 2002.

**Instructor (team taught),** Behavioral Aspects of Family Medicine. 3rd year medical students. Medical University of South Carolina. Charleston, SC. Fall 1999, Fall 2000.

**Instructor,** Introduction to Clinical Medicine I (Interviewing Skills). First year medical students. Medical University of South Carolina, Charleston, SC. Fall 1998.

**Graduate Teaching Assistant,** *Introduction to Psychobiology*, undergraduate course, Instructor Thomas C. Foster. University of Virginia, Charlottesville, VA. Fall 1991.

**Graduate Instructor**, *Introductory Statistics for the Behavioral Sciences*. Sole teacher for two sections of this undergraduate course each semester. George Mason University, Fairfax, VA. Spring 1990, Fall 1990.

**Co-founder and Course Architect,** *Institute on Systems Science and Health.* Annual one-week course, 2009-2012. See entry under OBSSR, Relevant Work Experience for full details.

**Developed a dydactic webinar series,** *2007 Symposia on Systems Science and Health.* Eight hours of content, 7 invited speakers. See entry under OBSSR, Relevant Work Experience for full details.

**Grant writing seminars.** See presentation section for various venues.

**Dydactic workshops.** Various. See presentation section for details.

**Instructor, Panel Chair, Health Disparities Research Institute**, sponsored by National Institute of Minority Health and Health Disparities**.** Participated across four years (2010, 2013, 2014, 2015, 2018). See presentations section for details.

**\***Recognized with Golden Apple Teaching Awards (2) – see Professional Honors and Awards below

**SELECTED SCIENTIFIC MEETINGS AND CONFERENCES ATTENDED**

***Proposer’s Day meetings* for *Next Generation Social Sciences* (NGS2; March 2016) and *Computational Simulation of Online Social Behavior (SocialSim;***June 2017*)*. Sponsored by the U.S. Defense Advanced Research Projects Agency (DARPA), Defense Science Office. Facilitated trans-institutional project team formation. Coordinated three IUNI-branded proposals in response to the associated Broad Agency Announcement, BAA-16-32. External partners included University of Virginia, National Defense University, and University of Southern California.

***Workshop on Digital Misinformation*,** International Conference on Web and Social Media (ICWSM), May 15, 2017, Montreal, Canada.

***Big Data & Network Science Conference***, March 23, 2017; Bloomington, IN.

National Academy of Sciences, Sackler Colloquium “***Reproducibility of Research: Issues and Proposed Remedies***,” March 8–10, 2017, Washington, DC. Organized by David B. Allison, Richard Shiffrin and Victoria Stodden.

***The International Network for Social Network Analysis*** (INSNA) Annual Meeting (aka “Sunbelt” meeting), 2016.

***Future Directions of Network Science***, September 29- 30, 2016, Arlington, VA.

National Science Foundation, ***Directorate for Social, Behavioral and Economic Sciences (SBE) Advisory Committee (AC) Fall Meeting*.** October 30-31, 2014, Arlington, VA. Topics included a Draft Report from SBE AC Subcommittee on Replicability in Science.

***Workshop on Data Science****.* Sponsored by the NIH Office of the Associate Director for Data Science. September 3, 2014, Bethesda, MD.

***Challenges in Data Integration***. A meeting sponsored by the NIH Big Data to Knowledge (BD2K) program. June 9-10, 2014. Bethesda, MD.

***NIH BD2K Executive Committee Retreat***. June 11, 2014. Bethesda, MD.

***NIH Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI), Scientific Retreat*.** June 13, 2014, Bethesda, MD.

[Society of Behavioral Medicine annual conference](http://www.sbm.org/meetings). New Orleans, April 11-14, 2012.

***Cancer Intervention and Surveillance Modeling Network (CISNET)*** Annual Meeting. Lung Cancer subgroup. By invitation. Rockville, MD., November 5, 2012.

***Obesity Policy Research Grantees Meeting*,** National Institutes of Health. By invitation. Convened by the Division of Cancer Control and Population Sciences (DCCPS) of the National Cancer Institute (NCI). Rockville MD, December 10-11, 2012.

***Verification and Validation Workshop.*** Sponsored by the U.S. Air Force Research Laboratory (AFRL). August 16-17, 2011; Vienna Virginia. The purpose of the workshop was to convene leading experts in modeling and simulation to identify challenges and gaps in verifying and validating complex/hybrid models. The charge to participants was to: 1) develop working definitions for model verification and validation (V&V) to be used with models that contain complex socio-technical phenomena and (2) identify those attributes that constitute successful V&V.

***Annual Office of the Secretary of Defense (OSD) Human Social Culture Behavior (HSCB) Modeling Program’s Capability Open House*.** This was an invitation only event in which attendees were provided guided tours of exhibits staffed by HSCB program awardees. These exhibits illustrated the diversity and utility of computational social science modeling research and engineering in an applied military setting. Awardees’ projects were aimed at assisting warfighters in operations and planning, and were ultimately intended to result in a more efficient and effective force. See: <http://www.dtic.mil/biosys/hscb-mp.html>

Workshop:[***Data Science & Epidemiology***](http://www.salathegroup.com/dse2011/). Invitation only workshop convened by [the Center for Infectious Disease Dynamics](http://www.salathegroup.com/) at Pennsylvania State University. State College, PA, October 6-7, 2011.

[***Exploring Interconnections: A Network Dynamics Workshop for Understanding and Preventing Adolescent and Young Adult Substance Abuse***](http://www.seiservices.com/nida/1014059/index.asp)**.** Chaired by NIDA, Bethesda, MD; January 13-14, 2010.

[***3rd Annual NIH Conference on the Science of Dissemination and Implementation: Methods and Measurement.***](http://obssr.od.nih.gov/news_and_events/conferences_and_workshops/DI2010/index.html)Bethesda, MD; March 15-16, 2010.

***Applying Complex Systems Approaches to Upstream Determinants of Population Health and Health Disparities: A First Conversation*.** Sponsored by OBSSR through a contract to the University of Michigan. Ann Arbor, MI, May 4, 2010. This activity was part of the Network on Inequality, Complexity, and Health (NICH); COTR, Helen Meissner, OBSSR.

***Mathematical and Statistical Modeling on the Population Impact of Smoking.*** A working meeting to develop the Surgeon General’s Report, The Health Consequences of Smoking and Involuntary Exposure to Tobacco Smoke: An Update. Washington, D.C., July 8-9, 2010.

***NIH Basic Behavioral and Social Sciences Opportunities Network (OppNet) Conference, “OppNet: Expanding Opportunities in Basic Behavioral and Social Science Research”****.* Washington, D.C., October 28-29, 2010.

***mHealth Summit.*** Washington, D.C. November 8-9, 2010.

***Translating Ideas into Interventions:* *The Process of Developing Behavioral Interventions*.** Sponsored by the National Heart Lung and Blood Institute (NHLBI), NIH. Washington, D.C., December 6-7, 2010.

[***2nd Annual NIH Conference on the Science of Dissemination and Implementation: Building Research Capacity to Bridge the Gap from Science to Service***](http://obssr.od.nih.gov/news_and_events/conferences_and_workshops/DI2009/index.html)***.*** Bethesda, MD; January 28-29, 2009.

[***NIH Summit: The Science of Eliminating Health Disparities***](http://www.blsmeetings.net/2008healthdisparitiessummit/index.cfm)***.*** Convened by the National Center for Minority Health and Health Disparities (NCMHD), NIH. National Harbor, MD; December 16-18, 2008.

“***Modeling Trust***”. A grantee meeting for the PI’s of the *Models of Infectious Disease Agents Study* (MIDAS); May 2007, Philadelphia, PA. Meeting convened by the National Institute on General Medical Sciences (NIGMS), NIH.

***Systems Science for Global Health: Designing Sustainable Health Services and Systems within Developing Country Settings Fogarty/OBSSR Satellite Gathering.*** (Co-Host, with Temina Madon, FIC/NIH), (2007). This working meeting was a satellite of the *29th Annual IUBS* [International Union of Biological Sciences] *Scientific Symposium,* Washington, D.C. May 10, 2007.

***Behavioral Health Economics: Applications to Dietary Choice and Obesity.***  (2007). A Conference Organized Jointly by Economic Research Service, USDA, and Carnegie-Mellon University. Washington, D.C., June 21-22, 2007.

***4th & 5th Annual*** [***eHealth Developer’s Summit***](http://www.ehealthinstitute.org/Summit/Previous.aspx), 2003 &2004, San Diego, and Huntington Beach, CA.

**PROFESSIONAL HONORS AND AWARDS**

**Awards for federal service**

**Ratings-Based Cash Award for Performance 2007, 2009, 2010, 2012, 2015** (based on annual performance review of prior year’s work).

**Ratings-Based Time-Off Award for Performance 2014** (based on annual performance review of prior year’s work).

**2015 NIH Office of the Director Honor Award (OD Honor Award).**  For leading the ODP Portfolio Analysis Development Team, “*for your outstanding efforts to develop new processes and tools to analyze the NIH prevention research portfolio*”.

**2014 NIH Special Act Award** (monetary)**,** for contributions as Team Lead for Office of Disease Prevention’s Strategic Priority 1. Nominated by the ODP Director and Deputy Director.

**Quality Step Increase (QSI) 2008, 2011, 2013** (based on annual performance review of prior year’s work).

**2011 NIH Director’s Award** (group award). National Collaborative on Childhood Obesity Research. *“For leadership and collaboration to advance and accelerate progress in addressing the nation’s childhood obesity epidemic through the National Collaborative on Childhood Obesity Research (NCCOR).”*

**2008 NIH Office of the Director Merit Award**, “*For extraordinary contributions to advancing the NIH mission by implementing the major goal for systems science, methods and modeling, as specified in OD-OBSSR’s strategic prospectus*.”

**2006 Group Cash Award** for contributions to strategic planning in the Office of Behavioral and Social Sciences Research, NIH.

**2004 & 2005 NIH Plain Language Awards** for work on [Smokefree.gov](http://smokefree.gov/), a federally developed tobacco cessation website.

**Promotion and Tenure in federal service, National Institutes of Health**

**Promotion from GS-14 to GS-15** – January 18, 2009. Equivalent to promotion to Full Professor\*.

**Tenure status awarded** – November 27, 2008.

**Promotion from GS-13 to GS-14** – November 26, 2006. Equivalent to promotion to Associate Professor\*.

\*The NIH uses an official job title of Health Scientist Administrator (HSA) for the GS-601 series. For academic rank equivalents see: <https://jobs.nih.gov/announcement-links/healthadministrator.htm>

**Other Awards and Recognition**

**2013 Best Paper Award for** Edward Ip, Qiang Zhang, Ji Lu, Laurette Dube and **Patricia Mabry**. *Feedback dynamic between emotional reinforcement and healthy eating: An application of the reciprocal Markov model.* Presented at the International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction (SBP13).

**2012 Selected for 2013 NIH Senior Leadership Training**

**2012 Elected as a Fellow of the Society of Behavioral Medicine.**

**2008 Inaugural Applied Systems Thinking Prize** (group award). Member of nine-member CDC-NIH System Dynamics Collaborative; prize awarded by the Applied Systems Thinking Institute <http://www.asysti.org/Prize/2008asystprizewinner.aspx>

**2008 participant in** [**6th Annual National Academies Keck Futures Initiative (NAKFI) Conference: Complex Systems**](http://www.keckfutures.org/conferences/complex-systems.html). Participants were selected, through an open competition. Member, [Task Group 2](http://www.keckfutures.org/conferences/complex-systems/pdf/2.TG.Monica.Heber.pdf), an interdisciplinary team tasked with the following challenge: “*What does it take to achieve a sustainable future? The problem of the commons: achieving a sustainable quality of life*.”

**2002, 2003, 2004 Award for Consistent Performance**, SAIC-Frederick.

**2003 Working Innovation Technology Award** at the 4th Annual [eHealth Developer's Summit](http://www.providersedge.com/ehdocs/ehr_articles/eHealth-Striving_for_Critical_Mass.pdf) for team development of “Health Wizard” a monitoring and tracking device for elderly patients.

**2003 Scholarship** to attend University of Maryland, Dingman Center for Entrepreneurship, one-day course, *Technology Innovation: Concept to Reality.*

**2001 & 2002 Golden Apple Teaching Awards**, Medical University of South Carolina, Department of Psychiatry & Behavioral Sciences, by vote of 4th year medical students for teaching unit on treating tobacco dependence

**1996 Psychology Internship Paper (third place)**. Medical University of South Carolina

**1996 Student Travel Scholarship.** Association for Applied Psychophysiology and Biofeedback

**1995 Science Directorate Student Dissertation Award.** American Psychological Association

**1991–1995 Dupont Fellowship, Governor's Fellowship, Academic Enhancement Program Fellowship, Dean's Fellowship, Dean's Dissertation Year Fellowship;** University of Virginia

**1991 & 1992 NIH Intramural Research Training Award (IRTA) Fellow** (summer). National Institute of Mental Health

**1989-91 Psi Chi,** Psychology Honor Society. George Mason University

**1983-85 Beta Alpha Psi, Kappa Theta Epsilon, Gamma Beta Phi**. (academic honor societies), Virginia Tech.

**PROFESSIONAL DEVELOPMENT & TRAINING ACTIVITIES**

**2018 HIPAA Privacy and Security Training**, Indiana University (Completed June 27, 2018, expires June 27, 2019;) <https://expand.iu.edu/certificates/hipaa-privacy-security-5070.pdf>

Collaborative Institutional Training Initiative Program

**Biomedical Responsible Conduct of Research** - Collaborative Institutional Training Initiative Program. Completed June 24, 2018, expiration not applicable; completion record #27577412. [www.citiprogram.org/verify/?wd543db3a-0fbc-4a08-aa03-943c5e7a4b84-27577412](http://www.citiprogram.org/verify/?wd543db3a-0fbc-4a08-aa03-943c5e7a4b84-27577412)

**Social and Behavioral Responsible Conduct of Research** - Collaborative Institutional Training Initiative Program. Completed June 24,2018, expiration not applicable; completion record #27577413. [www.citiprogram.org/verify/?wac393473-3444-4010-966f-11c51c99d104-27577413](http://www.citiprogram.org/verify/?wac393473-3444-4010-966f-11c51c99d104-27577413)

**Human Research/Biomedical Researcher** - Collaborative Institutional Training Initiative Program. Completed June 24, 2018, expires June 23, 2021; completion record #27577415. [www.citiprogram.org/verify/?w40ab1573-1f0d-47d7-b61f-6751e5451505-27577415](http://www.citiprogram.org/verify/?w40ab1573-1f0d-47d7-b61f-6751e5451505-27577415)

**Human Research/Social and Behavioral Researchers** - Collaborative Institutional Training Initiative Program. Completed June 27, 2018; expires June 26, 2021; completion record #27577414. [www.citiprogram.org/verify/?w2bf0b26d-b2df-4748-a081-c62462a17659-27577414](http://www.citiprogram.org/verify/?w2bf0b26d-b2df-4748-a081-c62462a17659-27577414)

**Dual Use Research of Concern (DURC)** - Collaborative Institutional Training Initiative Program. Completed June 28, 2018; expires June 28, 2019; completion record #27662939. [www.citiprogram.org/verify/?w2a605618-0790-4967-bb6a-f99e3e694e51-27662939](http://www.citiprogram.org/verify/?w2a605618-0790-4967-bb6a-f99e3e694e51-27662939)

**HIPAA Privacy and Security Training 2017-18**, Indiana University (Completed March 10, 2018, expires March 10, 2019) <https://expand.iu.edu/certificates/hipaa-privacy-security-2719.pdf>

**Sexual Misconduct Course 2017-18**, Indiana University (Completed December 20, 2017, expiration not applicable) <https://expand.iu.edu/certificates/sexual-misconduct-course-2725.pdf>

**Data Protection and Privacy Tutorial 2017**, Indiana University (Completed July 18, 2017, expiration not applicable) <https://expand.iu.edu/certificates/data-protection-and-privacy-tutorial-1033.pdf>

**Supervisor Survival Skills: Managing Misconduct and Performance** (NIH).Instructor: Mr. William Wiley. Bethesda, MD, March 19, 2015.

**Ethics Training** (NIH) – online course; completed annually (2006-2014).

**Computer Privacy and Security Training** (NIH) – online course; completed annually (2006-2014).

[**NIH Senior Leadership Program**](http://trainingcenter.nih.gov/senior_leadership_program.html)**.** (Spring 2013).

**HHS Appropriations Law,** completed June 16, 2011.

**HHS Records Management for All Employees,** online course, completed January 12, 2011.

**MS Office 2007 What’s New?** Completed November 17, 2009.

**NIH-OER Your Role and Responsibility for Handling Financial Conflicts of Interest**, (online course) completed June 9, 2009.

**Basic Project Officer Training**, Standard Version (HHS University - D); completed March 2007.

**NIH CORE Training Course for Extramural Scientists** (CORE parts 1-4 completed, 2006)

**Introduction to the NIH QVR System** – completed 2006.

**Performance Management Appraisal Program for Employees**, completed June 12, 2006.

**Leadership Effectiveness and Development (LEAD),** a course for SAIC managers. November 2004.

**Ethical Issues in Smoking and Genetics. Realizing the Promise of Genetic Research to Improve Smoking Treatment.** March 26, 2004.

**Working Safely with HIV and Other Blood Borne Pathogens in the Laboratory.** NIH course. Completed March 11, 2004.

**Using Information Technologies for Drug Abuse Assessment, Treatment, and Provider Training Research,** Gaithersburg, Maryland, 03/04-05/04. Sponsored by the Behavioral Treatment Development Branch, Division of Treatment Research, National Institute on Drug Abuse.

**NIH Introduction to Laboratory Safety** (online course). Completed on January 2, 2004.

**Interventions to Improve Adherence to Pharmacological Treatment Regimens,** October 9-10, 2003, Bethesda, MD. Sponsored by the Office of Behavioral and Social Science Research,NIH.

**APA Ethical Principles of Psychologists and Code of Conduct** (2002). Online course, December 31, 2003.

**Science of Real-time Data Capture: Self-report in Health Care Research Conference**, (September 5-7, 2003) Charleston, SC. Sponsored by NCI.

**Designing for Quality: eHealth Development Workshop,** June 24-25, 2003, Gaithersburg, MD. Sponsored by NCI, the Advanced Technology Program at the National Institute of Standards and Technology, the National Library of Medicine, and the Veterans Health Administration.

**Tobacco Control Research: Investing in Science for the Public’s Health,** June 18, 2003, Washington, DC. Sponsored by the Tobacco Control Research Branch, NCI.

**Technology Innovation: Concept to Reality, Phase I: Technology Entrepreneurship Overview and Concept Analysis,** June 6, 2003, Germantown, MD.

**NIH Clinical Center Clinical Research Training course,** January 20, 2003, computer-based training course.

**NIH Protection of Human Research Subjects,** online course, January 3, 2003.

**Data Integrity in Patient Self-Report,** May-June 2002. Five part webinar series; sponsored by invivodata, Inc. Pittsburgh, PA.

**NIH Basic Life Support** (August 2003)

**LICENSURE:**

NIH Clinical Center Medical Staff credentialing as a Clinical Psychologist (2003 – 2005)

Clinical Psychologist, State of Maryland, license #03922, (2002-2005)

Clinical Psychologist, State of South Carolina, license #711, (1998-2002)

**COMMUNITY & CLINICAL SERVICE**

Presented at “Learning Lunch” *How to Quit Smoking For Good* to employees of SAIC-Frederick who wish to quit smoking. February 2003

Speaker for Cognitive Interest Group, MUSC Dept of Psychiatry and Behavioral Sciences, Cognitive Therapy in the Student Health Setting. Spring 2001

MUSC Institute of Psychiatry Booth at City Health Fair, February 1999

North Charleston Girls Running Club, group leader, North Charleston, SC, 1998-1999

Alcohol Awareness Day Committee, Medical University of South Carolina, Fall 1998

Screener, Depression Screening Day, Medical University of South Carolina, Fall 1997

**REFERENCES** – available upon request