

**BIOGRAPHICAL SKETCH**  
**DO NOT EXCEED FIVE PAGES.**

NAME: Hurwitz, Shelley

eRA COMMONS USER NAME (credential, e.g., agency login): shurwitz123

POSITION TITLE: Director of Biostatistics

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Arizona State University	MA	05/1977	Psychology
Stanford University	MS	08/1981	Statistics
Temple University	PhD	08/1992	Psychology

## A. Positions and Honors

### Positions and Employment

1981-1986 Statistician, Cancer Center, University of Pennsylvania  
 1986-1992 Statistician, Center for Nursing Research, University of Pennsylvania  
 1992-1996 Senior Statistician, Statistical and Data Analysis Center, Harvard School of Public Health  
 1997-2005 Instructor in Medicine (Biostatistics), Harvard Medical School  
 1997-2008 Director, Biostatistics Core, Brigham and Women's Hospital General Clinical Research Center  
 1998- Director, Biostatistics Core, Brigham and Women's Hospital Center for Clinical Investigation  
 2005- Assistant Professor of Medicine (Biostatistics), Harvard Medical School  
 2008-2011 Associate Director, Harvard Catalyst Biostatistics Program

### Honors

2003 Partners in Excellence Award for Leadership and Innovation, Brigham and Women's Hospital  
 2004 Partners in Excellence Award for Outstanding Community Contribution, Brigham and Women's Hospital  
 2010-2012 Chair, American Statistical Association Committee on Professional Ethics  
 2011- Elected Member, International Statistical Institute  
 2012-2014 Chair, CTSA Consortium Committee on the Ethical Practice of Biostatistics and Epidemiology  
 2013-2017 International Statistical Institute Advisory Board on Ethics  
 2014- Fellow, American Statistical Association

## B. Contribution to Science

My contributions to medical science relevant to this application revolve around my collaborative biostatistical work in wide-ranging areas, with over 130 peer-reviewed publications.

Full list of peer-reviewed published work compiled from MEDLINE/PubMed is found here:  
<https://connects.catalyst.harvard.edu/Profiles/display/Person/77649>

## C. Research Support

### Ongoing Research Support

1UL1TR001102-01 Nadler (PI) 10/1/13-04/30/18  
 NIH/NCATS  
 Harvard Clinical and Translational Science Center

This collaborative and trans-disciplinary environment, with new tools and conceptual approaches, will catalyze translation that will result in substantive discoveries impacting the health of our patients and those at risk.

Role: Co-Investigator, Biostatistics Program

1R01HL114765 Williams (PI) 07/1/13-06/30/17

NIH/NHLBI

*Striatin, aldosterone and hypertension*

This is a translational research project focused on newly identified associations between striatin and aldosterone's mechanisms of action, and vascular function.

Role: Biostatistician

U01DK104308 Humphreys, Waikar (PIs) 10/1/14-11/30/19

NIH/NIDDK

*Novel Human Biomarkers of Kidney Fibrosis*

The aim of this study is to evaluate six novel biomarkers of kidney fibrosis in human chronic kidney disease, paving the way for future studies that will transform clinical trial design and care in nephrology.

Role: Biostatistician

1R01CA166172 Chiocca (PI) 03/1/13-02/28/18

NIH/NCI

*Indirubins: Novel anti-invasive, anti-angiogenic drugs for malignant gliomas*

This project will determine whether Indirubins, a class of chemicals with relative selective inhibitory activity against glycogen synthase kinase-3, exhibit activity against malignant gliomas.

Role: Statistician

R01AI112748 Nardell (PI) 03/2/15-02/29/20

NIH/NIAID

*Finding and Treating Unsuspected and Resistant TB to Reduce Hospital Transmission*

The aims of this study are to evaluate a refocused approach to TB transmission control called FAST for reducing treatment delay and health care worker infections, to evaluate the acceptability and barriers to the approach, and to compare the cost and cost-effectiveness of the approach relative to smear and culture for TB diagnosis, drug resistance testing, and treatment initiation.

Role: Biostatistician

P01HL108801 (Clinical Core) Choi (PI); Thompson (Core PI) 07/1/11-06/30/16 (NCE 6/30/17)

NIH/NHLBI

*Carbon Monoxide: Novel Opportunities for Therapy*

The major goal of PPG is to translate the basic findings of cytoprotection of carbon monoxide (CO) to human ARDS. The first aim of the clinical core is to enroll ICU subjects in a clinical registry and collect clinical samples and clinical data for phenotyping of subjects and distribution of well-characterized samples to the investigators on the PPG. The second aim of the clinical core is to organize and serve as the data coordinating center for the first Phase I trial of inhaled CO in acute lung injury.

Role: Biostatistician

### **Completed Research Support**

UD7HP25059 Garg (PI) 09/1/12 - 06/30/15

HHS/HRSA

*Diabetes Management for Surgical Patients: A Team Approach*

This project expands diabetes management delivered by an interdisciplinary health care team, and evaluates whether patients who receive expanded diabetes management have better outcomes than patients who receive traditional management.

Role: Statistician/Evaluator

R01 HL089570-01 R01 Fisher (PI) 02/1/10-12/31/13

NIH/NHLBI

*Flavanol-rich Cocoa, Vascular Responses and Mechanisms*

This research examines the mechanisms by which flavanol-rich cocoa increases cerebral blood flow and how it influences neurovascular coupling. Ultimately these data might lay the foundation for a trial in the prevention of cognitive decline.

Role: Co-Investigator

1R01 HL102780

Wang (PI)

04/1/11-04/30/13

NIH/NHLBI

*Obesity, Salt Sensitivity, and the Natriuretic Peptides*

The goal of this project is to define the role the natriuretic peptide system plays in cardiovascular function in obesity.

Role: Biostatistician

RM-07-2002

Nadler (PI)

06/1/08-09/30/13

NIH/NCRR

*Harvard Clinical and Translational Science Center*

This collaborative and trans-disciplinary environment, with new tools and conceptual approaches, will catalyze translation that will result in substantive discoveries impacting the health of our patients and those at risk.

Role: Co-Investigator, Biostatistics Program