

# PENN @ PAA 2023

Each year, a number of researchers from the Population Studies Center and Population Aging Research Center present scholarly research papers and/or professional posters at the Annual Meeting of the Population Association of America (PAA). Many researchers also participate in the conference as chairs, panelists or discussants.

Below is a list of PAA Sessions with current Penn Students, Faculty, Postdocs and recent Graduates. Penn affiliated people are bolded. For more information about these offerings, access the [PAA 2023 Annual Meeting Schedule](#).

## THURSDAY, APRIL 13

8:00 AM – 9:15 AM

Session Title: **Housing as a form of Intergenerational Family Support (ORAL) (1)**

Location: Strand 1

Discussant 1: **Zohra Ansari-Thomas**, *University of Pennsylvania*

Chair 1: Jessica Hardie, *Hunter College, CUNY*

8:00 AM – 9:15 AM

Session Title: **Recent Developments in Intergenerational Mobility (ORAL) (6)**

**Gradationalism Revisited: Intergenerational Occupational Mobility along Axes of Occupational Characteristics (6-3)**

H. York, *Princeton University*; **X. Song**, *University of Pennsylvania*; Y. Xie, *Princeton University*.

Location: Strand 13 B

Discussant 1: Pablo Mitnik, *Stanford University*

Chair 1: Fumiya Uchikoshi, *Princeton University*

8:00 AM – 9:15 AM

Session Title: **Job Loss, Economic Insecurity, and Labor Market Dynamics (ORAL) (7)**

**Intercohort Income Differences Through Adulthood: The Role of Precarious Work-Related Characteristics (7-3)**

L. Gabay-Egozi, *Bar-Ilan University, Israel*; **H. Park**, *University of Pennsylvania*; M. Yaish, *University of Haifa*.

Location: Strand 13A

Discussant 1: Sarah Burgard, *University of Michigan*

Chair 1: Kristen Harknett, *University of California, San Francisco*

8:00 AM – 9:15 AM

Session Title: Geospatial Approaches to Population Dynamics (FLASH) (20)

**Breathing Inequality: Assessing Air Pollution Exposure Burdens Among Sociodemographic Groups (20-5)**

**X. Yang**, *University of Pennsylvania*; **F. Wang**, *University of Houston*; **E. Hannum**, *University of Pennsylvania*; **J. Behrman**, *University of Pennsylvania*.

Location: Empire D

Chair 1: Leah VanWey, *Brown University*

9:30 AM – 10:45 AM

Session Title: Sandwich Caregiving (ORAL) (24)

**The Joint Effects of Child and Adult Caregiving on Women's Labor Market Trajectories (24-1)**

**Z. Ansari-Thomas**, *University of Pennsylvania*.

9:30 AM – 10:45 AM

Session Title: Covid-19 and Mortality (ORAL) (27)

**Trends in the Immigrant Mortality Advantage During the First Year of the COVID-19 Pandemic (27-4)**

**E. Paglino**, *University of Pennsylvania*; **I. Elo**, *University of Pennsylvania*.

**Changes in Stillbirths and Mortality in Infants, Children and Youth During the COVID-19 Pandemic, 2020 and 2021 (27-1)**

**E. Acosta**, *Centre d'Estudis Demogràfics*; **L. Hug**, *UNICEF*; **H. Cruz Castanheira**, *UN/ECLAC/CELADE-Population Division*; **D. Sharrow**, *UNICEF*; **J. H. Monteiro da Silva**, *University of Pennsylvania*; **D. You**, *UNICEF*.

Location: Strand 11 A

Discussant 1: José Manuel Aburto, *University of Southern Denmark*

Chair 1: Vladimir Canudas-Romo, *Australian National University*

9:30 AM – 10:45 AM

Session Title: Historical Demography – Methods (ORAL) (29)

**Assessing the Omission of Early Deaths in Historical Vital Registration Data (29-3)**

**J. Romero Prieto**, *London School of Hygiene and Tropical Medicine*; **A. Verhulst**, *University of Pennsylvania*; **M. Guillot**, *University of Pennsylvania and INED*.

Location: Bolden 1

Discussant 1: J. David Hacker, *University of Minnesota*

Chair 1: Jonas Helgertz, *University of Minnesota/Lund University*

9:30 AM – 10:45 AM

Session Title: Comparative Perspectives on Gender and Families (ORAL) (33)

**Women's Superiority and Relationship Dissolution: A 29-Country Study (33-4)**

**P. Gonalons Pons**, *University of Pennsylvania*; **A. Dunatchik**, *University of Pennsylvania*.

**Health and Well-being of Female Primary Breadwinners:  
Do Societal Gender Norms Matter? (33-3)**

**S. Lee**, *University of Pennsylvania*.

Location: Bolden 3

Discussant 1: Zachary Van Winkle, *Sciences Po Paris*

Chair 1: Daniela Urbina, *Princeton University*

10:30 AM – 12:00 PM

Session Title: Health, Health Behaviors, and Health Care (POSTERS) (P02)

**Childhood Adversity and Adolescent Mental Health:  
Longitudinal Insights From a Low-Income Country (P02)**

**E. Breton**, *University of Pennsylvania*; **R. Kidman**, *Stony Brook University*; **J. Behrman**, *University of Pennsylvania*; **H.-P. Kohler**, *University of Pennsylvania*.

**Socioeconomic Disparities in Medication Adherence for Children  
With Disabilities and Medical Complexities:**

**Analyzing Nationally Representative U.S. Children, 2009-2018 (P02)**

**Y. Kim**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **D. Choi**, *University of Pennsylvania*; **X. Wang**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **E.**

**Wong**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **J. Tong**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **J. Nish**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **s. carswell**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*; **Y. Liu**, *Philadelphia College of Osteopathic Medicine School of Pharmacy*.

**Does Home-Based Screening Lead to Improved Hypertension Diagnosis and Treatment?  
A regression Discontinuity Analysis in Urban India (P02)**

**M. Theilmann**; **S. Mani**, *University of Pennsylvania*; **N. Sudharsanan**, *Technical University of Munich*; **P. Geldsetzer**, *Stanford University*.

Location Elite Hall A

9:30 AM – 10:45 AM

Session Title: Historical Immigration Policy Impacts (ORAL) (41)

[Revisiting 20<sup>th</sup> Century Immigration and Urban Crime: The Role of Demographic Structure \(41-4\)](#)

I. Cohen, *Cornell University*; **M. Lachanski**, *University of Pennsylvania*.

Location: Strand 3

Discussant 1: Pia Orrenius, *Dallas Federal Reserve Bank*

Discussant 2: Claudia Masferrer, *El Colegio de Mexico*

Chair 1: Catalina Amuedo-Dorantes, *University of California, Merced*

11:00 AM – 12:15 PM

Session Title: The Geography of Intergenerational Mobility (ORAL) (54)

Location: Strand 13 B

Discussant 1 **Xi Song**, *University of Pennsylvania*

Chair 1: Christine Percheski, *Northwestern University*

11:00 AM – 12:15 PM

Session Title: Poverty, Place and Policy (ORAL) (55)

[Further Complications to Poverty of Place: Daily Poverty Dynamics Across Space \(55-1\)](#)

J. T. Mueller, *University of Oklahoma*; P. Heykmatpour, *University of Oklahoma*; M. Brooks, *McGill University*; **R. Baker**, *University of Pennsylvania*.

Location: Strand 13 A

Discussant 1: Liana Fox, *US Census Bureau*

Discussant 2: Laura Tach, *Cornell University*

Chair 1: Natasha Pilkauskas, *University of Michigan*

11:00 AM – 12:15 PM

Session Title: Kinship and Intergenerational Relations (ORAL) (57)

[Population Aging and Dementia Burden in China: A Kinship Perspective \(57-4\)](#)

**K. Feng**, *University of Pennsylvania*; **X. Song**, *University of Pennsylvania*; H. Caswell, *University of Amsterdam*.

[The Life Course of Grandmotherhood for Black and White Women in the United States \(57-2\)](#)

**P. Fomby**, *University of Pennsylvania*; M. Carlson, *University of Wisconsin–Madison*; P. Fallesen, *Rockwool Foundation*.

Location: Bolden 2

Discussant 1: Emily Wiemers, *Syracuse University*

Chair 1: Judith Seltzer, *University of California, Los Angeles*

11:00 AM – 12:15 PM

Session Title: Mortality Trends in the United States and Other High-income Countries (ORAL) (67)

[How Major Risk Factors Influence Mortality Trends in the National Health Interview Survey \(67-2\)](#)

**S. Preston**, *University of Pennsylvania*; Y. Vierboom, *Max Planck Institute for Demographic Research*; M. Myrskylä, *Max Planck Institute for Demographic Research*.

Location: Bolden 6

Discussant 1: Jessical Ho, *The Pennsylvania State University*

Chair 1: **Sneha Mani**, *University of Pennsylvania*

11:00 AM – 12:15 PM

Session Title: Racial/Ethnic Identification and Classification (ORAL) (68)

[Invisibility of American Indians and Alaska Natives in the U.S. Census \(68-1\)](#)

**G. Evans-Lomayeva**, *University of Pennsylvania*; C. Liebler, *University of Minnesota*.

Location: Strand 9

Discussant 1: Matthew Painter, *University of North Texas*

Discussant 2: Elizabeth Ackert, *University of California, Santa Barbara*

Chair 1: Amy Bailey, *University of Illinois at Chicago*

11:00 AM – 12:15 PM

Session Title: Lessons Learned From the Decline in Child Poverty and Pushing the Field Forward (INVITED SESSION) (70)

[Racial Disparities in Poverty \(70-3\)](#)

**R. Baker**, *University of Pennsylvania*; B. Hardy, *Georgetown University*.

Location: Strand 10 B

Discussant 1: Pamela Herd, *Georgetown University*

Chair 1: Lina Guzman, *National Research Center on Hispanic Children and Families*

2:00 PM – 3:15 PM

Session Title: Postsecondary Education's Unequal Returns in High-Income Countries (ORAL) (74)

[For-Profit College Attendance and Wealth \(74-3\)](#)

**A. Adames**, *University of Pennsylvania*.

Location: Strand 13 A

Discussant 1 Xavier St-Denis, *Institut National De La Recherche Scientifique, Centre Uc*

Chair 1: Patrick Denice, *University of Western Ontario*

2:00 PM – 3:15 PM

Session Title: Aging and Caregiving (ORAL) (76)

**Youth Caregivers of Adults in the United States: Prevalence and the Association Between Caregiving and Education (76-2)**

**K. Miller**, University of Pennsylvania; **J. Hart**, Perelman School of Medicine at the University of Pennsylvania; M. Rosania, Macalester College; **N. Coe**, Perelman School of Medicine at the University of Pennsylvania.

**Long-Term Care Policy and Worker Wages (76-4)**

**P. Gonalons Pons**, University of Pennsylvania; K. Miller; A. Kreider, Penn State University; **N. Coe**, University of Pennsylvania; **A. Hoffman**, University of Pennsylvania; **K. Rohde**, University of Pennsylvania.

Location: Strand 12A

Discussant 1: Yulya Truskinovsky, Wayne State University

Chair 1: Emily Wiemers, Syracuse University

2:00 PM – 3:15 PM

Racial, Ethnic and Immigrant Variation in Education, Work, and Health (ORAL) (89)

**The Educational Expectations of the 2.5 Generation (89-3)**

**R. Patti**, University of Pennsylvania;

Location: Strand 9

Discussant 1: Matthew Snidal, University of California, Santa Barbara

Discussant 2: Elizabeth Ackert, University of California, Santa Barbara

Chair 1: Matthew Painter, University of North Texas

3:30 PM – 4:45 PM

Session Title: National/Subnational Comparisons of COVID-19 Mortality (ORAL) (95)

**The Changing Role of Community Social Vulnerability in COVID-19 Mortality Across Three Variants of the SARS-CoV-2 Virus (95-1)**

**D. Choi**, University of Pennsylvania; N. Mehta, University of Texas Medical Branch at Galveston; S. Patel, Emory University.

Location: Strand 11A

Discussant 1: Joseph Lariscy, University of Memphis

Chair 1: Emerson Baptista, El Colegio de México

3:30 PM – 4:45 PM

Session Title: Mortality Differentials by Socioeconomic and Migration Status (ORAL) (107)

Discussant 1: **Irma Elo**, *University of Pennsylvania*

Chair 1: **Rebecca Schut**, *University of Pennsylvania*

Location: Bolden 5

5:00 PM – 6:30 PM

Session Title: Neighborhoods, Environment and Spatial Demography (POSTERS) (P05)

[Urban-Rural Location Effects of Skills Development for Junior High School Students in China: Empirical Evidence From the Core-Transition-Periphery Framework \(P05\)](#)

**K. Zhao**, *University of Pennsylvania*.

[The Racial and Spatial Patterns of Repetitive Flooding \(P05\)](#)

**T. Heath**, *University of Pennsylvania*.

Location: Elite Hall A

# PENN @ PAA 2023

FRIDAY, APRIL 14

8:00 AM – 9:15 AM

Session Title: Risk Factors and Inequalities in COVID-19 Mortality (ORAL) (115)

[Excess Mortality in India in 2020 \(115-3\)](#)

**A. Gupta**, Population Studies Center, University of Pennsylvania; V. Paikra; M. Banaji, Middlesex University; P. Gupta; P. Hathi, UC Berkeley; R. Kashyap, Oxford University; K. Sharma; N. Sudharsanan, Heidelberg Institute of Global Health; S. Vyas, University of Texas at Austin.

Location: Strand 4

Discussant 1: Victor Garcia-Guerrero, El Colegio de Mexico

Chair 1: James O'Donnell, School of Demography, Australian National University

8:00 AM – 9:15 AM

Session Title: Historical Studies of Inequality (ORAL) (118)

[Did Compulsory Schooling Laws Equalize Educational Attainment? Evidence from Linked U.S. Decennial Census, 1850-1940 \(118-1\)](#)

**M. Lachanski**, University of Pennsylvania; **X. Song**, University of Pennsylvania.

Location: Strand 13 B

Discussant 1: Brian Beach, Vanderbilt University

Discussant 2 Deirdre Bloome, Harvard University

Chair 1: Martha Bailey, University of California, Los Angeles

8:00 AM – 9:15 AM

Session Title: Policing, Incarceration, and Health (ORAL) (126)

[The Role of Racialized Felony Disenfranchisement on Racial Disparities in Risk of Low Birth Weight and Hypertension](#)

**H. Olson**, University of Pennsylvania

Location: Strand 7

Discussant 1: **Rebecca Schut**, University of Pennsylvania

Chair 1: Alyssa Goldman, Boston College

8:00 AM – 9:15 AM

Session Title: Population Dynamics in the Global South (ORAL) (130)

[Caste and the Geographical Differences in the Cumulative Prevalence of Child Loss for Mothers and Fathers in India \(130-2\)](#)

**S. Mani**, University of Pennsylvania.

Location: Strand 3

Discussant 1: Julia Behrman, Northwestern University

Chair 1: Sanyu Mojola, Princeton University

8:30 AM – 10:00 AM

Session Title: Family, Children and Intergenerational Relations (POSTER) (P06)

[Five Decades of Assortative Mating in India, 1960 – 2009 \(P06\)](#)

**N. Khalid**, University of Pennsylvania; **E. Paglino**, University of Pennsylvania.

Location: Elite Hall A



9:30 AM – 10:45 AM

Session Title: East Asian Demography and Inequality (ORAL) (137)

Location: Strand 13 A

Discussant 1: **Xi Song**, University of Pennsylvania

Chair 1: Mary Brinton, Harvard University

9:30 AM – 10:45 AM

Session Title: Structural and Institutional Determinants of Racial, Ethnic, and Immigrant Health Inequities (ORAL) (145)

[State Immigrant Policy Contexts and Population Health Inequality \(145-1\)](#)

**C. Boen**, University of Pennsylvania; R. Patti.

[The U.S. Health Care Safety Net and Farmworker Health, 1989-2016 \(145-3\)](#)

E. Parker, University of Michigan; R. Schut, University of Pennsylvania; **C. Boen**, University of Pennsylvania.

Location: Strand 7

Discussant 1: Leafia Ye, University of Wisconsin-Madison

Chair 1: Alexis Dennis, McGill University

10:30 AM – 12:00 PM

Session Title: COVID-19; Data and Methods (POSTERS) (P07)

[The Short-Term and Longer-Term Impact of the COVID-19 Pandemic on the Labor Market in Argentina: The Intersection of Gender, Informality and Socioeconomic Status \(P07\)](#)

**Y. Mertehikian**, University of Pennsylvania; **E. Parrado**, University of Pennsylvania.

[Timeliness in Birth Registration and Data Quality in Selected Latin American Countries \(P07\)](#)

H. Cruz Castanheira, UN/ECLAC/CELADE-Population Division; **J. H. Monteiro da Silva**, University of Pennsylvania.

[Estimation of Certain Measures in Labor Demography Based on Generalized Stable Population Relations with an Application to Interindustry Inequality in Expected Job Duration in the 21st Century \(P07\)](#)

**M. Lachanski**, University of Pennsylvania.

[Factorial Survey Experiment in Cross-Country Family Studies \(P07\)](#)

C. Peng; A. Aassve, Bocconi University; A. Adsera, Princeton University; L. Mencarini, Università Bocconi; **H. Park**, University of Pennsylvania; S. Plach, Bocconi University; J. M. Raymo, Princeton University; S. Wang, National University of Singapore; W-J Yeung, National University of Singapore.

Location: Elite Hall A

11:00 AM – 12:15 PM

Session Title: **Global Perspectives on Early Marriage (FLASH) (160)**

**[The Drivers of Early Marriage: A Longitudinal Case Study in a Low-Income Setting \(160-2\)](#)**

**E. Breton**, University of Pennsylvania; R. Kidman, Stony Brook University; **J. Behrman**, University of Pennsylvania; **H.-P. Kohler**, University of Pennsylvania.

Location: Empire C

Chair 1: Cassandra Cotton, Arizona State University

11:00 AM – 12:15 PM

Session Title: **Networks and Migration (ORAL) (167)**

**[Tenuous Assimilation? Unpacking Immigrant Adolescent Advantage in Friendship Network Stability \(167-3\)](#)**

**Y. Li**, University of Pennsylvania; A. Goldman, Boston College; L. Cai, The University of Chicago; Y. Liu, Northwestern University.

Location: Strand 2

Discussant 1: Mara Sheftel, Pennsylvania State University

Chair 1: Lauren Newmyer, Pennsylvania State University

1:00 PM – 2:30 PM

Session Title: **Education, Employment, and Inequality (POSTER) (P08)**

**[Like Parent, Like Child: Sequence Analysis of Inter-and Intragenerational Occupational Mobility \(P08\)](#)**

S. Rouhani, University of California, Los Angeles; **X. Song**, University of Pennsylvania; J. Brand, University of California, Los Angeles.

Location: Elite Hall A

1:30 PM – 2:45 PM

Session Title: **Consequences of Immigration for Sending Communities (ORAL) (186)**

**[Where Do People Go After the Storm? An Analysis of Migration Following Tropical Storms in the United States Between 1990 and 2010 \(186-3\)](#)**

**E. Paglino**, University of Pennsylvania.

Location: Strand 2

Discussant 1: Filiz Garip, Princeton University

Discussant 2 Jenna Nobles, University of Wisconsin–Madison

Chair 1: Andrea Miranda González, University of California, Berkeley

1:30 PM – 2:45 PM

Session Title: **Methodological Innovations in Mortality (ORAL) (187)**

**[Pandemic Excess Deaths in Rural Bihar \(187-4\)](#)**

V. Paikra; **A. Bamezai**, University of Pennsylvania; M. Banaji, Middlesex University; P. Hathi, UC Berkeley; A. Gupta, University of Oxford; A. Priya, Brown University; S. MR, University of Maryland College Park; K. Sharma; C. Kumar Singh, CK Singh Consultants Pvt. Ltd.; **H. Thirumurthy**, University of Pennsylvania; S. Vyas, University of Texas at Austin.

Location: Strand 3

Discussant 1: Ilya Kashnitsky, University of Southern Denmark

Chair 1: Jennifer Dowd, University of Oxford

1:30 PM – 2:45 PM

Session Title: **Mortality in Low- and Middle-Income Countries (ORAL) (188)**

Location: Bolden 6

Discussant 1: Nikkil Sudharsanan, Heidelberg Institute of Global Health

Chair 1: **Hans-Peter Kohler**, University of Pennsylvania

3:00 PM – 4:15 PM

Session Title: **Patterns of Economic Inequality (ORAL) (197)**

**[Trends in Income Inequality Between Couples in Sweden and the Contributions of Family Dynamics \(197-2\)](#)**

S. Billingsley, Stockholm University; **P. Gonalons Pons**, University of Pennsylvania; A-Z Duvander, Stockholm University.

Location: Strand 13 B

Discussant 1: Zachary Parolin, Bocconi University

Chair 1: Margot Jackson, Brown University

3:00 PM – 4:15 PM

Session Title: **Motherhood and the Labor Market (ORAL) (198)**

**[His and Hers Earnings Trajectories: A Long-Term Perspective on Marital Homogamy and Earnings in Inequality in Different-Sex Couples \(198-2\)](#)**

**A. Dunatchik**, University of Pennsylvania.

Location: Strand 12 A

Discussant 1: Yun Zhou, University of Michigan

Chair 1: Joanna Pepin, University at Buffalo

3:00 PM – 4:15 PM

Session Title: Mortality in Low- and Middle-Income Countries (ORAL) (206)

Location: Bolden 6

Discussant 1: Aashish Gupta, University of Oxford

Chair 1: **Sneha Mani**, University of Pennsylvania

# PENN @ PAA 2023

**SATURDAY, APRIL 15**

9:00 AM – 10:15 AM

Session Title: Cognitive Health Around the World (ORAL) (211)

**Cognition and Cognitive Changes Among the Aging Global Poor:  
Evidence From Malawi (211-3)**

**I. Kohler**, University of Pennsylvania-Population Studies Center; **F. Kampfen**, University of Pennsylvania; C. Bandawe, Kamuzu University of Health Sciences; **H.-P. Kohler**, University of Pennsylvania.

Location: Strand 10 B

Discussant 1: Minki Chatterji, National Institute on Aging

Discussant 2 Darina Bassil, Harvard University

Chair 1: **Irma Elo**, University of Pennsylvania

9:00 AM – 10:15 AM

Session Title: Racial and Ethnic Stratification Across the Life Course (ORAL) (215)

**Asian Americans at Work (215-2)**

**P. Ho**, University of Pennsylvania; **H. Park**, University of Pennsylvania.

Location: Strand 13 A

Discussant 1: Olivia Healy,

Discussant 2 Samuel Kye, Baylor University

Chair 1: Samuel Kye, Baylor University

9:00 AM – 10:15 AM

**Session Title: Gender Inequality and Work and Family (ORAL) (216)**

Location: Strand 13 B

Discussant 1: **Pilar Gonalons Pons**, University of Pennsylvania

Chair 1: Alejandra Pilarz, University of Wisconsin-Madison

9:00 AM – 10:15 AM

**Session Title: Family Complexity and Diversity (ORAL) (217)**

Location: Strand 12 A

Discussant 1: Christine Percheski, Northwestern University

Chair 1: **Hyunjoon Park**, University of Pennsylvania

9:00 AM – 10:15 AM

**Session Title: Adolescent Social Ties and Well-being (ORAL) (227)**

**[Acculturation, Depressive Symptoms, and Differential Vulnerability to Friendship Network Turnover Among Immigrant Adolescents \(227-1\)](#)**

**Y. Li**, University of Pennsylvania; A. Goldman, Boston College.

Location: Strand 7

Discussant 1: Connor Martz,

Chair 1: Xinyan Cao,

12:00 PM – 1:15 PM

**Session Title: Intergenerational Processes and Criminal Justice Involvement (249) (ORAL)**

**[Early Social Foundations of Persistent Racial Inequalities of Arrest over the Life Course and Historical Time \(249-1\)](#)**

**R. Neil**, University of Pennsylvania; R. Sampson, Harvard University.

Location: Strand 11 A

Discussant 1: Amanda Geller, University of California, Irvine

Chair 1: Jane Waldfogel, Columbia University

12:00 PM – 1:15 PM

**Session Title: Disability Trends and Disparities (ORAL) (261)**

**[The Unequal Landscape of Racialized Inequities in Physical and Cognitive Functioning: Variation Across the U.S. States and Over Time \(261-2\)](#)**

**C. Boen**, University of Pennsylvania.

Location: Strand 7

Discussant 1: Carrie Shandra, State University of New York at Stony Brook

Chair 1: Mara Sheftel, Pennsylvania State University