
**Consortium for History of
Science, Technology and Medicine**



**Annual Report
2018-2019**



As I step down after six years as Chair of the Board, I want to take the opportunity to reflect on the honor of serving the Consortium during this time of tremendous change.

In my time as chair, we chose a new name to reflect our new reach and geographical range (though admittedly many still called us PACHS for a while....). We gained new institutional members including professional societies. We engaged new donors and created new fellowships. We matched our NEH Challenge Grant and established an endowment. And we expanded our public outreach in novel and promising ways.

Those are just a few of the highlights.

It has been a time of recurring and spirited discussions relating to size, goals, outreach, membership, fees, budgets, advocacy, and leadership. It has been a time of thinking strategically about the future of this institution, which is increasingly seen as central to our academic field.

Many years ago Marty Levitt, who more or less singlehandedly dreamed up the idea of PACHS, pointed out to me that there were people in institutions across Philadelphia who had profound stakes in the history of science, medicine and technology, with whom I probably never interacted. We all worked within a few miles of each other, and all cared deeply about museums, archives, collections and scholarship in the history of science, technology and medicine. He thought it was time for us to start working together to build and support the field.

Of course he was right.

What Marty probably did not see—and what I certainly did not—was that such a community built around scholarship and across institutions had much, much broader appeal. Our Consortium community has now reached far beyond Philadelphia, and in many ways the Consortium's real strength is in this cross-institutional network, a network that has now taken on a vibrant life of its own.

Today alumni from our fellowship program are winning prestigious awards, securing important positions, and publishing books and journal papers that call attention to our work. And they remain committed to the Consortium. It is an exciting time in the organization's history and I am proud to have played a role in it.

I want to express my gratitude to our outstanding and committed board members. We have enjoyed a strong collaboration, with each board member bringing different perspectives and skills to the table.

I am also grateful to our excellent support staff, particularly Sheila O'Shaughnessy.

Most importantly, Babak Ashrafi demonstrated over and over again his clear, generous, thoughtful leadership. Working with Babak closely, I have seen him hold great scholarship at the center of his vision for the Consortium. It is that clear vision, through the many big and small decisions of the last six years, and indeed of the last 12, that has made the Consortium effective and successful today.

Susan Lindee
Board Chair, 2013-19



Board of Directors

M. Susan Lindee, Chair	Lynn K. Nyhart
Lee Arnold	Terry R. Snyder
Ronald Brashear	Patrick Spero
Angela Creager	Jeffrey L. Sturchio
Susan Glassman	Arnold Thackray
Robert Hauser	Keith S. Thomson
Stanley N. Katz	Thomas Tritton
Martin L. Levitt	John C. Van Horne
Mary Patterson McPherson	Harriet Zuckerman
Edward A. Montgomery, Jr.	

Officers

Secretary Ronald Brashear	President Babak Ashrafi	Treasurer Carl Miller
------------------------------	----------------------------	--------------------------

Staff

Babak Ashrafi Executive Director
Lawrence Kessler Program Coordinator
Sheila O'Shaughnessy Director of Development and Communication
Lisa Ruth Rand Program Coordinator
Aaron Slater Office Manager



The Consortium welcomed three new member institutions in 2018-19. The collections of the **California Institute of Technology** include the papers of its scientists and engineers; photographs, audio, video, websites, and publications documenting its history; scientific instruments; and rare books anchored by the Rocco Collection of early modern physics and astronomy. **The Huntington Library** is one of the world's great independent research libraries, with more than nine million items spanning the 11th to 21st centuries, including extensive holdings related to the history of science, technology and medicine. **Johns Hopkins University** holds a wealth of archival material relevant to the Consortium's community, including the Historical Collection of the History of Medicine Department, the Alan Mason Chesney Archives, and Sheridan Libraries of the University. We look forward to working with the scholars, archivists and librarians at Caltech, the Huntington and Hopkins. Consortium membership now stands at 26 institutions:

Adler Planetarium	Chicago, IL
American Institute of Physics	College Park, MD
American Philosophical Society	Philadelphia, PA
California Institute of Technology	Pasadena, CA
Cold Spring Harbor Laboratory	Cold Spring Harbor, NY
College of Physicians of Philadelphia	Philadelphia, PA
Columbia University	New York, NY
Drexel University	Philadelphia, PA
Hagley Museum and Library	Wilmington, DE
Harvard University	Cambridge, MA
History of Science Society	Notre Dame, IN
Huntington Library	San Marino, CA
Johns Hopkins University	Baltimore, MD
Library Company of Philadelphia	Philadelphia, PA
Linda Hall Library	Kansas City, MO
Newberry Library	Chicago, IL
New York Academy of Medicine	New York, NY
Princeton University	Princeton, NJ
Rockefeller Archive Center	Sleepy Hollow, NY
Science History Institute	Philadelphia, PA
Smithsonian Institution	Washington, DC
University of Pennsylvania	Philadelphia, PA
University of Toronto	Toronto, Canada
Wagner Free Institute of Science	Philadelphia, PA
Wellcome Collection	London, United Kingdom
Yale University	New Haven, CT



The Consortium's new public outreach program is well underway. Public forums are being held at member institutions. The goal of the forums is to provide historical perspective on contemporary issues. Each event is recorded with video and audio posted online, alongside expert commentary and links to resources from member institutions for additional learning and research. In addition to the forums, the Consortium posts interviews of authors of recent books. The interviewers come from different backgrounds and perspectives, often not academic. The interviews are also augmented with links to additional resources. In this way, the Consortium has started to accrue an online archive of audio, video and text to be used for teaching, learning and research.

Public Events

Human Remains in Demand and on Display

Samuel Redman, Associate Professor of History, University of Massachusetts, Amherst

Discussants:

Beth Lander, College Librarian, College of Physicians of Philadelphia

Lauren Maloy, Program Director, Historic Congressional Cemetery

www.chstm.org/bonerooms, posted May 6, 2019

Energy Transitions Past and Present

Christopher Jones, Assistant Professor of History, School of Historical, Philosophical and Religious Studies, Arizona State University

Discussants:

Clay Ruminski, Managing Archivist, Hagley Museum and Library

Bill Ward, Retired physician and technology enthusiast

Jim Weisberg, Technology entrepreneur

Joshua Gottbetter, Johnny Lu, William Forman, students in a class on energy in America taught by Conevery Bolton Valencius, Boston College

www.chstm.org/routesofpower, posted April 17, 2019

Rewriting the Story of Girls' STEM: Past and Present

Co-sponsored and held at the Wagner Free Institute of Science

Natalie S. King, Georgia State University

Kim Tolley, Notre Dame de Namur University

Online Forum: Forthcoming

Smell Detectives: An Olfactory History of Nineteenth-Century Urban America

Melanie Kiechle, Assistant Professor of History at Virginia

Discussants:

Gary Burlingame, Director, Bureau of Laboratory Services, Philadelphia Water Department

Robert DeSalle, Curator, American Museum of Natural History

Allison Goldberg, Pathologist, Thomas Jefferson University Hospital

Richard Taylor, Associate Professor, HVAC Technology/Plumbing & Heating Design, Pennsylvania College of Technology

www.chstm.org/smelldetectives, posted February 12, 2019



Trust in Science: Vaccines

Co-sponsored and held at the American Philosophical Society, January 29, 2019

Jeffrey Baker, Duke University School of Medicine

Elena Conis, University of California, Berkeley

Erica Kimmerling, American Academy of Arts & Sciences

Discussants:

Neal Halsey, Department of International Health, Bloomberg School of Public Health, Johns Hopkins University

Daniel Salmon, Department of International Health, Bloomberg School of Public Health, Johns Hopkins University

Jennifer Reich, Department of Sociology, University of Colorado, Denver

Mark Navin, Department of Philosophy, Oakland University

James Colgrove, Mailman School of Public Health, Columbia University

www.chstm.org/vaccines

Sickness and the City

Co-sponsored and held at the New York Academy of Medicine, October 24, 2018

Michael Levy, Perelman School of Medicine, University of Pennsylvania

Billy Smith, Montana State University

Discussants:

Kathryn Olivarius, Stanford University

Julia Mansfield, Yale University

www.chstm.org/sicknessandthecity

Shopping for Health: Medicine and Markets in America

Co-sponsored and held at the College of Physicians of Philadelphia, October 11, 2018

Nancy Tomes, Stony Brook University

David Hertzberg, University at Buffalo, SUNY

Discussants:

Roberta Bivins, Department of History, University of Warwick

Alex Mold, London School of Hygiene and Tropical Medicine

www.chstm.org/shoppingforhealth



Working Groups

The Consortium's academic events consist of small topical online working groups for expert discussion of works-in-progress and other literature of interest to participants. During the academic year 2018-2019, over 200 scholars from more than 100 institutions participated. New locations participating remotely this past year include Madrid, Uppsala, London, Bahia, Buenos Aires and Melbourne.

Groups and Conveners:

Ancient and Medieval Sciences

Darin Hayton, Haverford College

Biological Sciences

Tina Gianquitto, Colorado School of Mines

Susan Lindee, University of Pennsylvania

Luis Campos, University of New Mexico

Earth and Environmental Sciences

Eve Buckley, University of Delaware

Frederick Rowe Davis, Purdue University

Jeremy Vetter, University of Arizona

Current and Past Fellows

Babak Ashrafi, Consortium for HSTM

History and Philosophy of Science

Gary Hatfield, University of Pennsylvania

Miriam Solomon, Temple University

Medicine and Health

David Barnes, University of Pennsylvania

Paul Theerman, New York Academy of Medicine

Nancy Tomes, Stony Brook University

Keith Wailoo, Princeton University

Physical Sciences

Joseph Martin, University of Cambridge

Kathryn Olesko, Georgetown University

Technology

Jennifer Alexander, University of Minnesota

Arwen Mohun, University of Delaware

Alana Staiti, NMAH, Smithsonian Institution



In 2018-2019, the Consortium awarded 28 fellowships, making the total nearly 200 since 2007. A new program funded by the Wellcome Trust supports research in the medical humanities by scholars from Brazil, India and South Africa.

NEH Postdoctoral Fellow

Ashley Inglehart

Seminal Ideas: The Forces of Generation for Robert Boyle and His Contemporaries

Dissertation Fellows

Ekaterina Babintseva
Department of History and Sociology of Science
University of Pennsylvania
*Computer-Based Education in the Cold War
United States and Soviet Union: Cyberdreams of
the Information Age*

Ayah B Nuriddin
Department of History of Medicine
Johns Hopkins University
*Liberation Eugenics: African Americans and the
Science of Black Freedom Struggles, 1890-1970*

Jordan Katz
Department of History
Columbia University
*Jewish Midwives, Medicine and the Boundaries
of Knowledge in Early Modern Europe, 1650-
1800*

Fellows in Residence

Theodora Dryer
Department of History and Science Studies
University of California, San Diego
*Designing Certainty: The Rise of Algorithmic
Planning in An Age of Anxiety, 1920-1961*

Lisa Ruth Rand
Consortium for HSTM
*Space Junk: An Environmental History of Waste
in Orbit*

Lawrence Kessler
Consortium for HSTM
*Planter's Paradise: Environment, Empire, and
the Making of Hawai'i's Sugarcane Plantation
System*

Michelle Smiley
Department of History of Art
Bryn Mawr College
*Becoming Photography: The American
Development of a Medium*



Research Fellows

Elaine Ayers, Princeton University
2018 to 2019 Albert M. Greenfield Research Fellow
Strange Beauty: Botanical Collection, Preservation, and Display in the 19th Century Tropics

Edward Barnet, Stanford University
Homo Musicus: The Early Modern Musical Science of the Human Being

Jaime Benchimol, Casa de Oswaldo Cruz, Brazil
Leishmaniasis of the New World in a Historical and Global Perspective.

Geoff Bil, New York Botanical Gardens
Fields of Empire: Science, Ethnoscience and the Making of the American Century

Scottie Hale Buehler, UCLA
Being and Becoming a Midwife in 18th century France: Pedagogical Practices and Objects

Chelsea Chamberlain, University of Pennsylvania
Diagnostic Clinics and the Problem of Human Defect in Progressive America

Benjamin Cohen, Lafayette College
The Future of Agriculture: A Technological History

Jessica Dandona, Minneapolis College of Art and Design
The Transparent Woman: Medical Visualities in Fin-de-Siècle Europe and the United States, 1890–1914

Alexandra Fair, Miami University
Eugenic Expectations: How the Medical Economy Changed and Sustained Eugenic Ideology in Post-WWII America

Ellery Foutch, Middlebury College
The Artists' Models: Natural History Specimens and their Illustrations

Stephen Hausmann, Temple University
Indian Country: Race and Environment in the Black Hills, 1850-1992

Paul Mitchell, University of Pennsylvania
Keith S. Thomson Research Fellow
Human Reminders: the Lost Century of the Samuel George Morton Collection

Vivek Neelakantan
Southeast Asia and the Beginnings of the Primary Health Paradigm, 1948-1978

Paloma Rodrigo Gonzales, CUNY
Evasive Evidence, Enduring Fluidity: Historical Trajectories of the “Mongolian Spot” as a Marker of Race

Neeraja Sankaran
A Longue-Durée Microhistory of RSV at the Rockefeller: The Institutional Life of an In-House Discovery.

Sean M Smith, Rice University
Abolition and the Making of Scientific Racism in the Anglo-Atlantic

Alana L Staiti, Cornell University
Model Bodies: The Art, Science, and Craft of Human Modeling for 3-D Computer Graphics and Animation, 1960-1995

Ana Carolina Vimieiro Gomes, Federal University of Minas Gerais, Brazil
The Genetics of the Brazilian Northeastern Population, 1950-1980: Heredity, Race and Culture

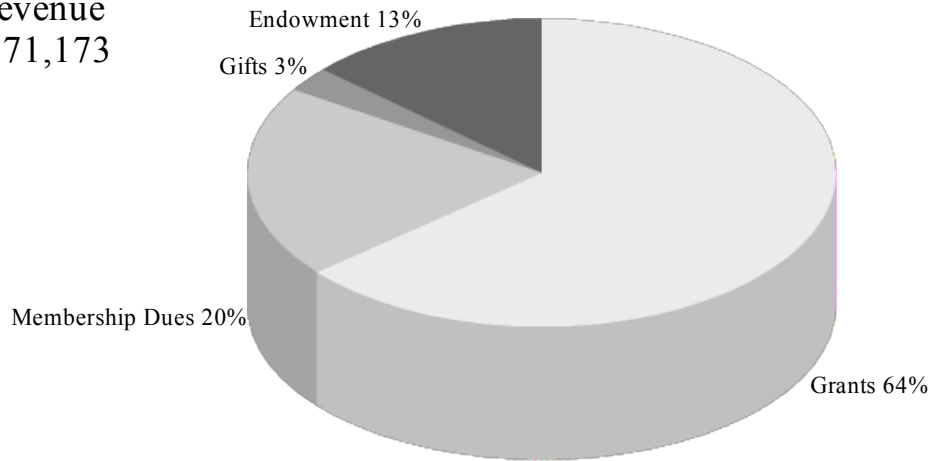
Laurel J Waycott, Yale University
Patterns of Creation: Organic Form in the Science of Life, 1880-1930

Kazuki Yamada
University of Exeter and University of Queensland
Later Life Sexuality and its Genealogies of Knowledge: The Sciences of Sex and Ageing, c. 1870 – 1980.

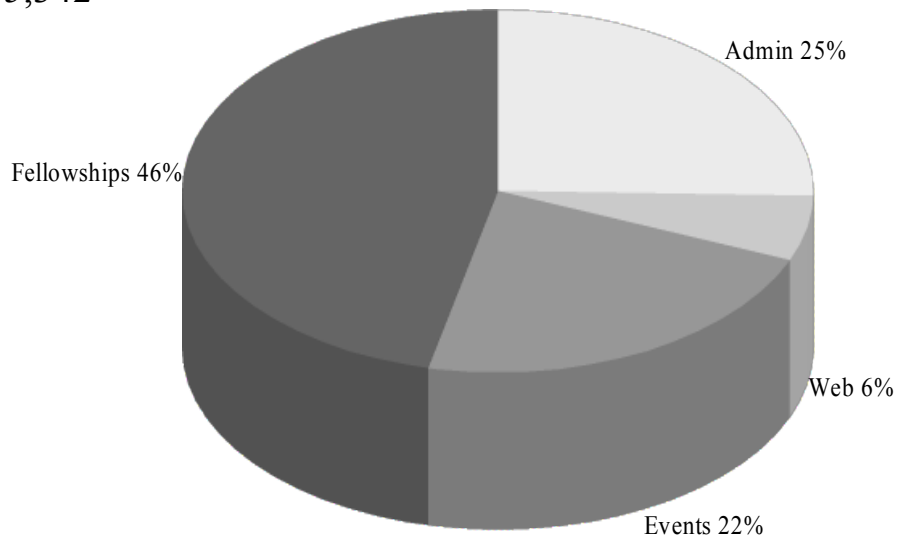


The Consortium completed its first campaign in 2018, establishing an endowment to help support its fellowship programs, and drew on its new endowment for the first time in 2018-19. Below is a summary of the Consortium's financials for the year ending June 30, 2019.

Revenue
\$771,173



Expenses
\$545,342





\$1,000,000+	Miriam Solomon	Simon Joseph
Andrew W. Mellon Foundation	Keith Thomson	Lawrence Kessler
Wyncote Foundation	Thomas Tritton	Harun Küçük
	John Van Horne	Whitney Laemmler
\$500,000-\$999,999	Harriet Zuckerman	Adrianna Link
National Endowment for the Humanities		Beth Linker
National Science Foundation	\$500-\$999	Rachel Maines
	Lee Arnold	Robert J. Malone
\$100,000-\$499,999	Ronald Brashear	Joseph Martin
Albert M. Greenfield Foundation	Kenneth Caneva	Mary Mitchell
American Philosophical Society	Bonnie Clause	Teasel Muir-Harmony
Anonymous	Daniel Kevles	Samantha Muka
Pew Charitable Trusts	Bruce Lewenstein	Projit Bihari Mukharji
	Carton Rogers	Girish Nair
	Pamela S. Smith	Lisa Nocks
\$50,000-\$99,999	Audra J. Wolfe	Jason Oakes
Angela and William Creager		Kathryn Olesko
Richard Lounsbery Foundation	Up to \$499	Raymond Orzechowski
Gordon & Betty Moore Foundation	Peter Baumann	Louise Palmer
Wellcome Trust	Thomas P. Bennett	Alex Pang
	Etienne Benson	Emily Pawley
10,000-\$49,999	Carin Berkowitz	Steven Peitzman
Anonymous	Richard Bready	John Powers
Lois G. & Julian A. Brodsky	Terry Christensen	Karen Rader
Franke Family Charitable Foundation	Peter Collopy	Joanna Radin
Gladys Kriebel Delmas Foundation	Tabea Cornel	Lisa Ruth Rand
M. Susan Lindee	Deanna Day	Erik Rau
Mary Patterson McPherson	Rosanna Dent	David Rhees
Merck & Co., Inc.	Guillaume de Syon	Maxwell Rogoski
Edward Montgomery	Mary Ellen Donatelli	Helen Rozwadowski
Vivion Vinson & Babak Ashrafi	Howard Goldfine	Pamela Sankar
	Frederick Golec, Jr.	Eric Schatzberg
\$5,000-\$9,999	Allegra Giovine	Silvan S. Schweber
Frances & Robert Kohler	Mark Hagerott	Brittany Shields
Martin Levitt	Paul Halpern	Aaron Slater
Erica Milam & Michael Gordin	Gabrielle Hecht	Hilary Smith
Ruth Schwartz Cowan	John G. Hellebrand	Jesse Smith
Theresa Snyder	Evan Hepler-Smith	Patrick Spero
Jeffrey L. Sturchio	Matthew Hersch	Alana Staiti
	Eric Hintz	Cameron Strang
\$1,000-\$4,999	Matthew Hoffarth	Mary Teeling
Justin Carisio	Andrew Hogan	Mary Terrall
Susan Glassman	Phillip Honenberger	Roger Turner
Joshua Hauser & Robert Hauser in memory of Taissa Hauser	Paul Israel	John Tresch
William Helfand	Linda S. Jacobs	Belle Tuten
Stanley Katz	Lijing Jiang	Theodore Varno
Matthew Killion	Jeffrey Johnson	Adelheid Voskuhl
Carl F. Miller	Michael Joiner	Susan Wells
Sheila O'Shaughnessy	Christopher Jones	Robert Westman
Robert M. Peck	Susan Jones	David Zitarelli
	Finn Arne Jörgensen	