

Disparities Across the Spectrum of Pulmonary Vascular Disease (PVD)

Virtual Workshop // October 22-23, 2024

DAY ONE:

October 22, 2024 | 10:00 am - 5:30 pm EDT

10:00 am	Welcome and Self-Introduction of Workshop Speakers Lei Xiao, MD, PhD, Program Director, Lung Vascular Biology Program, NHLBI/NIH
10:05 am	Opening Remarks from the NHLBI/DLD Leadership Gustavo Matute-Bello, MD, Deputy Director, Division of Lung Diseases, NHLBI/NIH
10:15 am	Workshop Goals and Future Objectives Franz Rischard, DO, Director of the Pulmonary Hypertension Program for the Division of
	Pulmonary, Critical Care, and Sleep Medicine, Professor of Medicine University of Arizona Session 1: The Interaction Between Race, Ethnicity and PVD
10:30 am	How Disparities Associated with Race and Ethnicity are Accentuated Among Patients with PVD and Other Rare Diseases Khushboo Goel, MD, Assistant Professor of Medicine, Cedars-Sinai Medical Center
10:55 am	Discussion
11:00 am	The Convergence of Disparities and PVD Phenotypes among Black and African American, Asians, Pacific Islanders, and Native Americans, and Hispanic Individuals Rodolfo Estrada, MD, Director, Pulmonary Hypertension Program, Assistant Professor of Medicine, University of Texas Health San Antonio
11:25 am	Discussion
11:30 am	Interventions to Address Disparities Associated with Race and Ethnicity and Pathways to Implementation Sandeep Sahay, MD, Associate Professor of Medicine, Weill Cornell Medical College, Houston Methodist Hospital

11:55 am	Discussion
12:00 pm	Lunch
	Session 2: Sex and Gender Differences Among Patients with PVD
1:00 pm	The Intersectionality Between Sex, Gender and PVD Heather M Strah, MD, Associate Professor of Medicine, University of Nebraska Medical Center
1:25 pm	Discussion
1:30 pm	Sex Differences among Different WSPH Groups: Implications for Diagnosis, Treatment and Clinical Outcomes Mansoureh Eghbali, PhD, Professor of Anesthesiology, University of California Los Angeles
1:55 pm	Discussion
2:00 pm	Interventions and Implementation to Remediate Sex-based Differences in PVD Corey E Ventetuolo, MD, MS, FAHA, Associate Professor of Medicine; Health Services, Policy and Practice, Inaugural Director, Center for Advanced Lung Care, Brown University
2:25 pm	Discussion
3:00 pm	Break
	Session 3: Social Disparities and PVD-1
3:15 pm	The Relationship Between Social Determinants of Health (Education, Income, Household) and PVD Roberto J. Bernardo MD, MS, ATSF, Assistant Professor of Medicine, Indiana University School of Medicine
3:40 pm	Discussion
3:45 pm	Social Disparities, Mental Health, Recreational Drug Use and PVD Vinicio de Jesus Perez MD, FCCP, FAHA, ATSF, Associate Dean of MD Admissions, Stanford School of Medicine; Professor of Medicine with Tenure (PACCM), Stanford University

4:10 pm	Discussion
4:15 pm	PVD and Social Disparities Among Unhoused and Veteran Groups Evan Brittain, MD, MSc, Associate Professor of Medicine, Vanderbilt University
4:40 pm	Discussion
4:45 pm	Social Determinants of Health Screening and Referrals: What Do We Know? Rachel Gold, PhD, MPH, Senior Investigator, KPCHR; Lead Research Scientist and Program Director, Implementation Science Program, OCHIN, Inc
5:10 pm	Discussion

DAY TWO:

October 23, 2024 | 10:00 am - 5:40 pm EDT

	Session 4: Social Disparities and PVD-2: Climate, Pollution, Plastics
10:00 am	The Role of Climate Change and Heat Exposure in PVD
	Bradley A. Maron, MD, FAHA, Senior Associate Dean for Precision Medicine; University of Maryland School of Medicine, Baltimore, MD; Executive Co-Director, University of Maryland-Institute for Health Computing, Bethesda, MD
10:25 am	Discussion
10:30 am	Air Pollution, Social Determinants of Health, and Pulmonary Hypertension Outcomes in the PVDOMICS Cohort
	Chris Lim, PhD, Assistant Professor, Department of Community, Environment and Policy; Zuckerman College of Public Health, University of Arizona, Tucson, AZ
10:55 am	Discussion
11:00 am	Intervention and Implementation in Climate and Pollution in PVD
	Stephen Mathai, MD, MHS, Associate Professor of Medicine, Johns Hopkins University

11:25 am	Discussion
	Session 5: Do Disparities Affect Omics Profiling?
11:30 am	The Effects of Social Disparities on Multiomics Profiling in PVD and Related Diseases (i.e., Heart Failure, COPD) Ankit Desai, MD, Professor of Medicine, Indiana University
11:55 am	Discussion
12:00 pm	The Importance of Ancestry for Genomics Discovery in PVD and Other Related Diseases Victor E. Ortega, MD, PhD, Professor of Medicine, Division of Pulmonary Medicine, Mayo Clinic
12:25 pm	Discussion
12:30 pm	Allostatic Load as a Biomarker of Disparity in PVD and Other Rare Diseases Jason E. Glenn, PhD, Associate Professor, History and Philosophy of Medicine, University of Kansas Medical Center
12:55 pm	Discussion
1:00 pm	Lunch
	Session 6: Lessons Learned from PVDOMICS
1:30 pm	Self-Reported Racial and Ethnic Differences Among Participants in PVDOMICS Franz Rischard, DO, <i>Professor of Medicine, University of Arizona</i>
1:55 pm	Discussion
2:00 pm	Sex-Based Differences Anna Hemnes, MD, <i>Professor of Clinical Medicine, Vanderbilt University</i>
2:25 pm	Discussion

2:30 pm The Relationship Between Social Disparities and PVD in PVDOMICS

Jane Leopold, MD, FACC, FAHA, FSCAI, Director of the Women's Interventional Cardiology Health Initiative, Brigham and Women's Hospital; Associate Professor of Medicine, Brigham and Women's Hospital

2:55 pm **Discussion**

3:00 pm The Burden of PVD Associated with Aging and Mixed Phenotypes.

Evelyn M. Horn, MD, Director, Perkin HF Center, Professor of Clinical Medicine, Weill Cornell Medical College

3:25 pm **Discussion**

3:30 pm **Break**

Session 7: Gaps and Future Directions of Disparities Research in PVD: From Identification to Implementation

3:40 pm **Discussion**

Franz Rischard, DO; Jane A. Leopold, MD, FACC, FAHA, FSCAI; and Lei Xiao, MD, PhD

- Current gaps and proposal ideas for disparities findings in PVD research.
- Proposal ideas, gaps, and recommendations brought by the audience vetted through discussion by a panel of experts.
- Intervention and implementation for disparities research in PVD

Workshop Summary and Discussion: Goals, Gaps, Consensus, and Future

- A list of the current major gaps, pressing questions to be addressed, and prioritized research directions in the immediate future (i.e., next 5 years) in the field of social disparities research in PVD.
- The publication of a paper in a high-impact journal summarizing the workshop to address the urgent gaps in social disparities in PVD.
- A consensus on strategies that will help provide references on integrating new discoveries in social disparities and research into clinical care and implementation science.
- Strategic visioning on future implementation of clinical care strategies to address social disparities and PVD via interventions that address disparities.

Invited PVD & Social Disparities Experts as Workshop Discussants:

- Steven M. Kawut, MD, MS, *Professor of Clinical Medicine, Weill Cornell Medical College*
- Karim El-Kersh, MD, Professor of Medicine, University of Arizona, College of Medicine-Phoenix
- Wayne Tsuang, MD, PhD, MHS, Associate Professor of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
- Samar Farha, MD, Assistant Professor of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
- Nils P. Nickel, MD, Assistant Professor of Medicine, Texas Tech University Health Sciences Center - El Paso
- Jean Elwing, MD, Professor of Clinical, UC Health

5:40 pm **Adjourn**