

CURRICULUM VITAE
University of Colorado, Denver

Alison G. Abraham, PhD, MHS, MS

Updated July 2020

Current Appointments

- 2020 - **Associate Professor** (PAR), University of Colorado Denver, School of Public Health, Department of Epidemiology
- 2020 - **Associate Professor** (PAR), University of Colorado Denver, School of Medicine, Department of Ophthalmology
- 2020 - **Adjunct Associate Professor**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology

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Education and Training

- 1995 Bachelor of Arts, Biomedical Engineering, University of California, San Diego, CA
- 1999 Master of Science, Biomedical Engineering, California State University, Sacramento, CA
- 2005 Master of Health Science, Biostatistics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2008 Doctor of Philosophy, Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Academic Appointments and Positions

- 1999-2002 **Research Specialist**, Harvard School of Public Health, Department of Environmental Health
- 2002-2005 **Research Assistant**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2007-2013 **Assistant Scientist**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2013-2016 **Associate Scientist**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2016-2017 **Visiting Researcher**, University of Zurich, Institute for Epidemiology, Biostatistics and Prevention
- 2016-2020 **Associate Professor**, Johns Hopkins School of Medicine, Department of Ophthalmology
- 2016-2020 **Associate Professor** (joint appointment) Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology

Professional Experience

- 1995-1997 **Rehabilitation Engineer**, California State University, Department of Biomedical Engineering
- 1997-1999 **Rehabilitation Engineer**, United Cerebral Palsy
- Consultant**
- 2006-2007 Consulting Lens Image Reviewer, Othera Anti-Cataract Trial, Baltimore, MD
- 2011 Epidemiology and Statistics Consultant, Mount Sinai Hospital Residency Program, Mt Sinai, NY
- 2012 Epidemiology and Statistics Consultant, Division of Nephrology, Mount Sinai School of Medicine, New York, NY
- 2015 Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Zurich, Switzerland

Honors and Awards

- 1995 Rehabilitation Engineering Teaching and Training Grant Award
- 2003 Epidemiology Internship Award, National Eye Institute
- 2004 National Institutes of Health Training Grant Award
- 2005 Epidemiology Internship Award, Amgen Inc
- 2005 Thomas and Louis I Dublin Award for the Advancement of Epidemiology and Biostatistics
- 2007 Doctoral Thesis Fund Award
- 2008 Inductee, Delta Omega Society

2010	National Institutes of Health Loan Repayment Program Award Recipient
2013	Fourth HIV & Aging Workshop 2013 Sponsored Attendee
2015	Annals of Internal Medicine 2015 Outstanding Reviewer
2015	Council for International Exchange of Scholars Fulbright Scholar Award Finalist
2019	Accepted into the 2019 Leadership Program for Women Faculty, JHU Office of Talent Management and Organization Development

Professional Affiliations

2002 -	Society for Epidemiological Research, Member
2003 - 2009	American Public Health Association, Member
2003 -	American College of Epidemiology, Member
2008, 2018-	Association for Research in Vision and Ophthalmology, Member.
2019-2022	Association for Research in Vision and Ophthalmology, Clinical Section Program Committee member
2019-2022	Association for Research in Vision and Ophthalmology, Professional Education Committee member
2017 -	International Epidemiological Association, Member
2019 -	International Ocular Circulation Society, Founding Member
2019 -	Gerontological Society of America, Member

Professional Leadership and Service

Departmental

2009-2012	Committee Member, Honors and Awards Committee, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, reviewed applications and determined awardees for merit based departmental scholarship funds
2010-2012	Committee Member, Comprehensive Exam Committee, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, developed comprehensive exam that is taken by all students in the epidemiology Department at the end of the first year of study
2012-2015	Chair, Comprehensive Exam Committee, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, organized the committee, made process improvements, developed a question bank for reducing faculty time commitment, implemented item response evaluation for exam questions to assure good question performance from year to year, and developed standard procedures for regrading exams
2014	Committee Member, Quality of Life Subcommittee, Department Self Study, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, compiled comments from faculty survey on quality of life
2015 -2016	Committee Member, Faculty Executive Committee, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, governing body of the Department of Epidemiology charged with steering departmental policy
2016	27 th Annual Wilmer Eye Institute Research Day, Moderator for Session 3, Baltimore MD
2018-	Chair, Wilmer Research Administration Committee, committee charged with improving processes with regard to grant submission and assisting faculty with grant submissions
2019	30 th Annual Wilmer Eye Institute Research Day, Discussant for Invited Resident Talks, Baltimore MD

School-Wide

2013-2015	Faculty Senator, Johns Hopkins Bloomberg School of Public Health Faculty Senate, faculty advisory body that works to address school wide issues and assure cross department coordination and dissemination of information
2018-	Director, Wilmer Biostatistics Center. The WBC provides analytic and data management support to vision investigators across Johns Hopkins University. https://www.hopkinsmedicine.org/wilmer/research/core-centers/biostatistics/

National

2011-2019	Member, Data Safety Monitoring Board for The Hereditary Causes of Nephrolithiasis and Kidney Failure Project
2019	52nd Society for Epidemiologic Research Annual Meeting, Moderator and Organizer for Symposium: "Is it my brain or my senses? Measuring and interpreting cognitive function in the context of sensory deficit", Minneapolis, MN
2011-2020	Chair, Data Working Group, Multicenter AIDS Cohort Study. Oversaw methodological development and data quality for the MACS study

International

- 2018 Organizing Committee Member and Workshop Moderator, First Meeting on Teaching Epidemiology. University of Zurich, Zurich Switzerland
- 2020 Organizing Committee Member and Workshop Moderator, Second Meeting on Teaching Epidemiology. University of Zurich, Zurich Switzerland

Licensure and Board Certification

- 1998 Certification, Engineer in Training, California Board of Professional Engineers

Review, Referee and Editorial Activities

Grant Review

- 2016 Reviewer, NIDDK, Urinary Stone Disease Research Network (U01) Special Review Panel
- 2017 Reviewer, Center for Scientific Review, Major Opportunities for Research in Epidemiology of Alzheimer's Disease and Cognitive Resilience (PAR 15-356) Special Review Panel
- 2019 Reviewer, Center for Scientific Review, ZRG1 PSE-C(51) Special emphasis panel: Research on Current Topics Related to Alzheimers Disease and Related Dementias
- 2019 Reviewer, Center for Scientific Review, The Neural Basis of Psychopathology, Addictions and Sleep Disorders Study Section
- 2020 Reviewer, Center for Scientific Review, PAR-18-901 Chronic, Non-Communicable Diseases and Disorders Across the Lifespan

Journal Peer Review Activities

- 2003-2010 Perceptual and Motor Skills
- 2009-2012 Eye
- 2009-2015,2018 Investigative Ophthalmology and Visual Science
- 2010-2011 Statistics in Medicine
- 2010-2011 Antiviral Therapy
- 2010-2013 Clinical Journal of the American Society of Nephrology
- 2011-2016 Annals of Internal Medicine
- 2011-2014 AIDS Research and Human Retroviruses
- 2011 Pediatric Research
- 2012-2016,2019 American Journal of Epidemiology
- 2013, 2015 BMC Nephrology
- 2013, 2015,2018 Ophthalmology
- 2013 International Journal of STD & AIDS
- 2015-2017,2018 Clinical Infectious Disease
- 2015 New England Journal of Medicine
- 2017 American Journal of Kidney Disease
- 2017 Pediatric Nephrology
- 2017-2018 Journal of the America Society of Nephrology
- 2018 JAMA Ophthalmology
- 2018-2019 American Journal of Ophthalmology
- 2019 Ophthalmic Epidemiology
- 2019 AIDS

Professional Society Review Activities

- 2019 Association for Research in Vision and Ophthalmology, Annual Meeting Program Committee, Abstract Review

Editorial Activities

- 2020- Associate Editor, American Journal of Epidemiology

Invited Lectures, Presentations, Workshops

Local/Regional

- April 2008 Developing a longitudinal prediction model for estimating glomerular filtration rate (CKiDs). Statistics in Epidemiology Research Meeting, Baltimore, MD
- July 2008 When to initiate HAART: Estimating fast progressors and leadtime. Statistics in Epidemiology Research Meeting, Baltimore, MD
- Oct 2008 The comparability of GFR2 and GFR4: A CKiD-based Brochner-Mortensen Equation. Statistics in Epidemiology Research Meeting, Baltimore, MD
- Nov 2008 Wasting and functional decline in the MACS. Statistics in Epidemiology Research Meeting, Baltimore,

	MD
Nov 2008	Methodological considerations for the measurement of glomerular filtration rate in cohort studies. Multicenter AIDS Cohort Study Meeting, Baltimore, MD
Dec 2008	Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Renal Disease Interest Group, Baltimore, MD
June 2009	The Prevalence of Multi-drug Resistance among Treated HIV Patients in North America. Statistics in Epidemiology Research Meeting, Baltimore, MD
Aug 2009	Protein-energy wasting in children with non-dialysis dependent CKD. Statistics in Epidemiology Research Meeting, Baltimore, MD
Oct 2009	The Role of Extracellular Volume in Chronic Kidney Disease. Chronic Kidney Disease in Children Meeting, Baltimore, MD
Dec 2009	Extracellular volume and Glomerular Filtration Rate in Children with Chronic Kidney Disease. Statistics in Epidemiology Research Meeting, Baltimore, MD
March 2010	The Relationship between Inflammation, Body Composition, and Grip Strength in HIV-infected and HIV-uninfected men in the Lipodystrophy Substudy. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2010	HIV and kidney function decline in the WIHS. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2010	HAART-induced changes in serum lipids and renal function. Multicenter AIDS Cohort Study Meeting, Bethesda, MD
Sept 2010	Estimating the Time to HIV Drug Resistance. Causal Inference Group, Baltimore, MD
Feb 2011	HAART-induced changes in serum lipids and renal function. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2011	Estimating GFR in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Rockville, MD
Aug 2011	Cervical cancer incidence and the impact of CD4 in HIV-infected women in North America. Statistics in Epidemiology Research Meeting, Baltimore, MD
Feb 2012	Protein energy wasting in children with CKD: Do adult diagnostic criteria make sense? Renal Disease Interest Group, Baltimore, MD
Sept 2012	Tenofovir-Associated Kidney Function Decline with a PI-based Versus NNRTI-based Regimen. Statistics in Epidemiology Research Meeting, Baltimore, MD
Dec 2012	Data Summary Files and Variable Definition, Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Baltimore MD
Dec 2012	Cohort Retention in the MACS, Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Baltimore MD
Dec 2012	Methods for Examining Nonlinear GFR Trajectories Multicenter AIDS Cohort Study Meeting, Renal Disease Working Group Session, Baltimore MD
Feb 2013	Mixed Models for Spatial Data. Dana Center for Preventative Ophthalmology; Wilmer Eye Institute, Baltimore, MD
Feb 2013	Joint Models Using Stata: A Tale of The Marriage of Two Models. Statistics in Epidemiology Research Meeting, Baltimore, MD
April 2013	HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance, Department of Epidemiology Seminar; Johns Hopkins Bloomberg School of Public Health, Baltimore MD
Sept 2013	Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Statistics in Epidemiology Research Meeting, Baltimore, MD
Nov 2013	Hybrid Imputation Methods for Estimating the Prevalence of HIV Drug Resistance. Division of Genomic Epidemiology & Clinical Outcomes Seminar, University of Maryland School of Medicine
Jan 2014	Kidney Disease in an HIV Context: Is HIV Just Another Risk Factor? Renal Grand Rounds, Division of Nephrology, University of Maryland Medical Center
April 2014	Applied Longitudinal Data Analysis: Missing Data – Imputation and Weighting Methods. Kidney Disease in Children Data Management and Analysis Center Meeting, Johns Hopkins Bloomberg School of Public Health
May 2014	Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Bethesda MD
May 2014	Multicenter AIDS Cohort Study Data Working Group Update: Data Files & Variable Definitions. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Bethesda MD
March 2015	Estimating the Impact of ACE/ARB Use on CKD Progression. Renal Disease Interest Group, Baltimore, MD

Sept 2015	Renin-Angiotensin II-Aldosterone System Blocker Use in Children with CKD. Renal Grand Rounds, Johns Hopkins School of Medicine, Baltimore MD
Dec 2015	Highlights from the MACS meeting: Design and Methods to Address Study Challenges in the MACS. Center/Coordination, Analysis and Management/MACS Coordination Meeting, Baltimore, MD
May 2016	Data Quality and Data Management. Multicenter AIDS Cohort Study Annual Meeting, Rockville, MD
Nov 2016	Methods to Address Study Challenges in the MACS. Multicenter AIDS Cohort Study Steering Meeting, Baltimore, MD
Nov 2019	Current Topics in Epidemiologic Research: A Vision for Vision Epidemiology: Research in the Dana Center for Preventive Ophthalmology. Department of Epidemiology Seminar, Baltimore, MD
National	
March 2008	Developing a longitudinal prediction model for estimating GFR. Chronic Kidney Disease in Children Meeting, New Orleans, LO
Feb 2009	Prevalence Trends and Resulting Mortality of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America. North American AIDS Cohort Collaboration on Research and Design Meeting, Montreal, CA
April 2009	Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Chronic Kidney Disease in Children Meeting, Las Vegas, NV
June 2009	The Prevalence of Multi-drug Resistance among Treated HIV-infected Patients in North America. New York City Health Department Seminar Series, New York, NY
Oct 2009	The relationship between hemoglobin and kidney function in HIV-infected men. Multicenter AIDS Cohort Study Meeting, Pittsburgh, PA
Feb 2010	Cervical cancer in HIV-infected Women in North America. International Epidemiologic Databases to Evaluate AIDS (IeDEA) Meeting, San Francisco
April 2010	Protein-Energy Wasting in Children with Non-Dialysis Dependent CKD. Chronic Kidney Disease in Children Meeting, Atlanta, GA
April 2010	Endpoints for the Chronic Kidney Disease in Children Study. Chronic Kidney Disease in Children Meeting, Atlanta, GA
Nov 2010	IGFR Protocol Change and Cohort Re-enrollment. Chronic Kidney Disease in Children Meeting, Denver, CO
Oct 2011	Estimated versus directly measured GFR in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL
Oct 2011	Predicting Poor GFR Estimation. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL
April 2012	Disease Progression and Renal Replacement Therapy in Children with Chronic Kidney Disease. Chronic Kidney Disease in Children Study Meeting, San Diego, CA
Jan 2013	Antiretroviral Drug Resistance in North America: Imputation Methods to Estimate Population Prevalence. Washington State University, Paul G Allen School for Global Animal Health. Pullman, Washington.
June 2014	Disease Progression in Children with Chronic Kidney Disease. Children with Chronic Kidney Disease Study Data Monitoring Board Meeting, Bethesda, MD
Nov 2014	Innovative Methods for Studying Relationships between HIV, Exposures and Outcomes in the MACS. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Marina Del Rey CA
Feb 2015	Estimating the Impact of ACE/ARB Use on CKD Progression. Children with Chronic Kidney Disease Study Data Steering Committee Meeting, Baltimore, MD
Oct 2015	Design and Methods to Address Study Challenges in HIV. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL.
Nov 2016	Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Baltimore, MD
Nov 2017	Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.
Nov 2017	Cohort Retention and Predicting Cohort Loss. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.
Nov 2017	Data Working Group: Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.
International	
Oct 2016	A window to the brain: The Eye Determinants of Cognition Study. The Epidemiologie, Biostatistik, and Prävention Institute Lunch Time Seminar Series, University of Zurich, Zurich Switzerland

Feb 2017	Clinical care practice and the cohort study: moving from observation to intervention. Institute for Medical Biometry and Statistics, University of Freiburg, Freiburg, Germany
Dec 2017	Public Health Research in Ticino: Present and Future. Università della Svizzera Italiana. Lugano, Switzerland

Teaching Record

Classroom instruction and Course Development

Local/Regional

2007-2010	Instructor, Graduate level course, Epidemiologic Methods II (340.752), Johns Hopkins Bloomberg School of Public Health; ~50 students
2008	Instructor, Graduate level course, Epidemiologic Methods I (340.751), Johns Hopkins Bloomberg School of Public Health; ~50 students
2009	Instructor, Graduate level course, Principles of Epidemiology I (340.601), Johns Hopkins Bloomberg School of Public Health; ~50 students
2009-2010	Instructor, Graduate level course, Advanced Methods for the Design and Analysis of Cohort Studies (340.728), Johns Hopkins Bloomberg School of Public Health; ~40 students
2011	Lecturer, Undergraduate level course, Introduction to Infectious Disease Epidemiology, University of Maryland, School of Public Health; ~30 students
2011-2014	Primary Instructor, Graduate level course, Methods and Applications of Cohort Studies, Epidemiology Graduate Summer Institute at Johns Hopkins Bloomberg School of Public Health; ~20 students
2012-2016	Primary Instructor, Graduate level course, Methodologic Challenges in Epidemiologic Research (340.754.01), Johns Hopkins Bloomberg School of Public Health; ~90 students
2013	Lecturer, Graduate level course, Chronic Diseases in Low-and-Middle-Income Countries, Summer Institute in Tropical Medicine and Public Health; ~20 students
2015-2019	Lecturer, Undergraduate level course, Fundamentals of Epidemiology (AS.280.350), Johns Hopkins University; ~70 students
2016	Lecturer, Undergraduate level course, Statistical Inference, Goucher Prison Education Initiative; ~20 students
2017- 2019	Co-developer and Primary Instructor, Doctoral level course, Advanced Theory and Methods in Epidemiology (340.774.01), Johns Hopkins Bloomberg School of Public Health; ~40 students
2019-2020	Lecturer, Epidemiology of Sensory Loss in Aging course (340.699.01), Johns Hopkins Bloomberg School of Public Health; ~20 students

International

2016	Lecturer, Graduate level course, Misconceptions and Misspecifications in the Interpretation of Evidence, University of Zurich, Institute for Epidemiology, Biostatistics and Prevention; ~15 students
2016	Lecturer, Undergraduate level course, Quantitative methods in Global Health, University of Geneva, Global Studies Institute; ~30 students

Professional Educational Outreach and Training Programs

April 2015	Instructor, Analytical Aspects of the CKiD Data, NIDDK Sponsored Workshop on Pediatric Kidney Disease
April 2016	Instructor, Graphical Techniques in Analysis of CKiD Data, NIDDK Sponsored Workshop on Pediatric Kidney Disease Research.
May 2020	Organizer and Moderator, The nuts and bolts of data analysis for vision research. Half Day Educational Workshop. Association for Research on Vision and Ophthalmology, Baltimore, MD 2020

Advisees /Mentees

MPH

2009	Ochanya Iodoko, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: Correlates of Health Care Utilization Among Adolescents With Sexually Transmitted Infections In Northern Nigeria; <i>Academic and Capstone Advisor</i>
2009	Anna Sophia McKenney, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: Clinical Diagnostics For Low-Resource Settings In The Developing World; <i>Academic and Capstone Advisor</i>
2009	Jonathan Geller, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: Approximating Dinucleotide MFE Z-score by Support Vector Regression for Discovery of non-coding RNA in Genomic Sequence Data; <i>Academic and Capstone Advisor</i>
2011	Denise Dvorquez, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: Variability in the response to effective antiretroviral therapy as a function of self reported race; <i>Academic and Capstone Advisor</i>

2011	Heather Brostos, MPH in Epidemiologic & Biostatistical Methods. Capstone title: Barriers to Healthy Eating: A Focus Group Study among Women at a Transitional Housing Facility; <i>Academic and Capstone Advisor</i>
2014	Iris Castro, MPH in Epidemiologic & Biostatistical Methods. Capstone title: The Utility of Self-collected HPV DNA Specimens as a tool for diagnosis and prevention of Human Papillomavirus and Cervical Cancer: A Literature Review and Meta-analysis Proposal; <i>Academic and Capstone Advisor</i>
2015	Adebusuyi Oluwabusayo, MPH in Epidemiologic & Biostatistical Methods. Capstone title: The Association Between Viral Load and The Report of Depressive Symptoms in HIV Positive Women on ART; <i>Academic and Capstone Advisor</i>
2019	Saleema Kherani, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: Image Quality Analysis among patients enrolled in the EyeDoc Study; <i>Capstone Advisor</i>
Planned 2021	Susan Wakil, MPH in Epidemiologic & Biostatistical Methods. Capstone Title: TBD; <i>Capstone Advisor</i>

MS/MHS

2012	Erin Dahlinghaus, MHS in Epidemiology. Thesis Title: Hemoglobin Level and Risk of Hospitalization and Mortality in Children on Peritoneal Dialysis; <i>Master's thesis advisor</i>
2013	Yichen Zhong, MHS in Epidemiology. Thesis Title: Nonlinear trajectory of glomerular filtration rate in children with chronic kidney disease. Ref #37; <i>Academic advisor and Master's thesis advisor</i>
2014	Darcy Weidemann, MHS in Epidemiology. Thesis Title: Association of Arsenic with Estimated GFR: Results from the National Health and Nutrition Examination Survey; <i>Master's thesis advisor</i>
2015	Ruibin Wang, MHS in Epidemiology. Thesis Title: The Impact of Tenofovir Disoproxil Fumarate on Estimated Glomerular Filtration Rate Change and Progression to End-Stage Renal Disease Among HIV-Infected Adults in North America; <i>Academic advisor and Master's thesis advisor</i>
2015	Delphine Robotham, MHS in Epidemiology. Thesis Title: Immunogenicity of Human Papillomavirus Recombinant Vaccine (Gardasil) in Pediatric Kidney Allograft Recipients, Pediatric Dialysis Patients, and Pediatric Chronic Kidney Disease Patients; <i>Master's thesis advisor</i>
2016	Haidong Lu, MHS in Epidemiology. Thesis Title: Markers of Inflammation and Depression in the Multicenter AIDS Cohort Study. Received the Miriam E. Brailey Fund Award 2016; <i>Academic advisor and Master's thesis advisor</i>
2020	YaNan Dong, MHS in Epidemiology. The parametric G-formula for time-to-event data: predicting the progression of kidney function in CKiD children; <i>Academic advisor and Master's thesis advisor</i>
2020	Xianming Xu, MHS in Epidemiology. Smoking exposure assessment and the impact of measurement error on associational study inferences; <i>Master's thesis advisor</i>
2020	Justin Chun, MHS in Epidemiology. Joint associations of chronic kidney disease and eGFR decline with retinal pathology: the eyeDOC study; <i>Academic advisor and Master's thesis advisor</i>

PhD

2013	Bonnielin Swenor, PhD in Epidemiology. Dissertation Title: Visual Impairment and Mobility Disability: The Salisbury Eye Evaluation Study. <i>Dissertation advisor/mentor</i>
2013	Derek Ng, PhD in Epidemiology. Dissertation Title: HIV therapy, metabolic and cardiovascular health are associated with glomerular hyperfiltration in the Multicenter AIDS Cohort Study; <i>Examination committee member</i>
2014	Shilpa Viswanathan, PhD in Epidemiology. Determining Minimum Optimal Adherence to Highly Active Antiretroviral Therapy (HAART) and the Use of Concomitant Medications for Chronic Non-Aids Conditions in the Current Era of HAART; <i>Examination committee member</i>
2014	Peter Rebeiro, PhD in Epidemiology. Dissertation Title: The Epidemiology of Clinical Retention Among Hiv-Infected Persons in North America; <i>Examination committee member</i>
2015	Andrea Wirtz, PhD in Epidemiology. Dissertation Title: Barriers to successful engagement in care among men who have sex with men in Moscow, Russia; <i>Dissertation advisor/mentor and Examination committee member</i>
2015	Andreea Rawlings, PhD in Epidemiology. Dissertation Title: Non-traditional Biomarkers of Hyperglycemia, Cognition and Drop-out Bias; <i>Examination committee member</i>
2015	Lauren Kurirka, PhD in Epidemiology. Dissertation Title: HIV and End-Stage Renal Disease: Disparities and Opportunities to Improve Outcomes; <i>Examination committee member</i>

- 2017 Laura Girardat-Rotar, PhD in Epidemiology, Thesis Title: Temporal and geographical external validation study and extension of the Mayo Clinic Prediction Model to predict eGFR in the younger population of Swiss ADPKD Patients. Ref #81; *Dissertation advisor/mentor*
- 2017 Marco Kaufmann, PhD in Epidemiology. Thesis Title: Mediation analysis using survival data: Empirical comparison of models in a real-world dataset; *Dissertation advisor/mentor*
- 2017 Nicole Armstrong, PhD in Epidemiology. Thesis Title: Role of Depression in Cardiovascular Disease, Cognitive Decline and Mortality. 6th International Workshop on HIV and Aging Sponsored Attendee Award, Washington, D.C. October 2015; the Delta Omega Scholarship Competition winner, Ref #76, 86; *Dissertation advisor/mentor and Examination committee member*
- 2018 Fidel Desir Boya, PhD in Epidemiology. Thesis Title: Hispanics and the HIV Care Continuum: Trends and Opportunities for Intervention; *Examination committee member*
- 2018 Shan Andrews, PhD in Epidemiology. Thesis Title: Characterizing the Placenta Methyome and Its Relationship to Autism Spectrum Disorder; *Examination committee member*
- 2019 Alison McFall, PhD in Epidemiology. Thesis Title: Investigating the Potential of Respondent-Driven Sampling to Reach Undiagnosed HIV-Infected People Who Inject Drugs; *Academic advisor*
- 2019 Chinenye Ugoji, PhD in Epidemiology. Thesis Title: Cancer Risk Factors, Inflammation, and Long-term outcomes in Cancer Survivors; *Examination committee member*
- 2019 Brooke Jarrett, PhD in Epidemiology. Thesis Title: Automated two-way messaging with an artificially intelligent chatbot may improve social support, depressive symptoms, and medication adherence among young adults living with HIV in South Africa; *Examination committee member*
- 2020 Batel Blechter, PhD in Epidemiology. Thesis Title: Risk of Lung Cancer in Never-Smoking Women in Asia: The Impact of Genetic and Environmental Exposures; *Examination committee member*
- 2020 Gabriel Innes, PhD in Environmental Health. The role of retail meat processors in ARB exposure among consumers. *Dissertation advisor/mentor and Examination committee chair*

MD

- 2017 Moon Lee Jong, BS. Dean's Year of Research Project Title: Prevalence of Retinal Microvascular Abnormalities and Association with Cognitive Status: The Atherosclerosis Risk in Communities Neurocognitive Study; Dean's Award. Reference #84, 96; *Research project advisor*

Research Record

Grants

Active

- 2019 – 2026 MACS WIHS Combined Cohort Study (MWCCS) Data Coordination Center (DCC), U01-HL146193-01 (PIs: Stephen Gange, PhD, Elizabeth Golub, PhD, Gypsyamber D'Souza, PhD); NHLBI
Role: Co-Investigator
As the chair of the data working group and primary methodological faculty in the DCC, I play a significant role in the MWCCS. I oversee 7 biostatisticians and 5 data managers to assure data quality and robustness of analytic procedures and results. I am charged with overseeing the development of new methods, training biostatisticians in best practices and handling issues of data quality. I present the data of the study to the clinical investigators at the semi-annual meetings, evaluate the quality of manuscripts submitted to the steering committee, and write the methodological section for renewal grants.
- 2015 - 2020 Chronic kidney disease biomarkers consortium (CKD BIOCON), U01 DK106982 (PIs: Susan Furth, MD; Michelle Denberg, MD), NIDDK; Direct costs: \$9,678,441
Role: Subcontract Principal Investigator
For this initiative, I am leading the Data Coordinating Center for the Chronic Kidney Disease in Children (CKiD) site of the Consortium. All analyses go through my hands and I oversee the primary biostatistician for the work.
- 2016 – 2021 The Impact of HCV Infection on Bone Turnover, Density, and Strength, R01AI120733-01A1 (PI: Todd Brown, MD); NIAID
Role: Co-Investigator
This project uses the ALIVE cohort to understand the dynamics between HCV infection and bone health. I work on this project consulting on sampling, study design and analysis.
- 2016 - 2020 Eye Determinants of Cognition (EyeDOC) Study, 1R01AG052412, (PI: Alison Abraham); NIA; Direct costs: \$607,218
Role: Principal Investigator
This project is embedded in the Atherosclerosis Risk in Communities study. We implemented vision testing and retinal imaging with the primary goal of evaluating the usefulness of retinal neuronal and vascular biomarkers for predicting early dementia risk.
- 2016 - 2023 Environmental Influences on Child Health Outcomes (ECHO) U24OD023382, (PI: Lisa Jacobson); NICHD

	<p>Role: Co-Investigator</p> <p><i>Following the end of the Children's Health Study, ECHO was developed to harness data from existing pediatric cohorts to understand environmental exposure impact on development. As one of the DCC methodological consultants, I provide guidance on data harmonization, measurement and methodology.</i></p>
2018 - 2020	<p>Conjunctival Microbiome in Glaucoma Patients: A Pilot Study; Wilmer Pooled Professor Fund, Direct Costs: \$24,000</p> <p>Role: Principle Investigator</p> <p><i>This was a small pilot project that sought to characterize the microbiome of the conjunctiva and to look at whether glaucoma drop use impacted the distribution of bacteria.</i></p>
2020 - 2021	<p>Admin Supplement through the Strategic Fund: Vision and dual sensory loss in HIV-infected older adults. U01-HL146193-01 Tracking # GRANT13020041 (PI: Todd Brown); NIA; Direct Costs: \$249,907</p> <p>Role: Supplement Principle Investigator</p>
<i>Completed</i>	
2010- 2015	<p>The Aging Kidney in HIV-Infection: Biomarkers for Early Detection of Injury U01 AG034853, (PI: Michael Shlipak, MD); NIDDK</p> <p>Role: Co-Investigator on subcontract</p>
2013 - 2016	<p>Vitamin D Deficiency, Inflammation and Age-related disease in HIV-Infected Men, R21AI109817, (PI: Alison Abraham); NIAID; Direct Costs: \$104,656</p> <p>Role: Principal Investigator</p>
2014 - 2017	<p>Novel approaches to characterize depressive symptoms and cognitive outcomes, 1R03MH103961-01 (co-PIs: Alison Abraham and Pamela Surkan); NIMH; Direct costs: \$50,000</p> <p>Role: Co-Principal Investigator</p>
2019 – 2023	<p>Kidney Disease in Children Data Management and Analysis Center Cohort Study U01DK066116, (PI: Alvaro Muñoz, PhD); NIDDK</p> <p>Role: Co-Investigator</p>
2016 - 2021	<p>The Role of Penile Bacteria and Inflammation in HIV Susceptibility; Rakai, Uganda, 5R01AI123002-02, (PI: Lance Price); NIAID</p> <p>Role: Co-Investigator</p>
2013 – 2018	<p>North American AIDS Cohorts Collaboration on Research and Design Cohort Study U01 AI069918, (PI: Richard D Moore, MD); NIAID</p> <p>Role: Co-Investigator</p>
2013 – 2018	<p>Women's Interagency HIV Study Data Management and Analysis Center U01 AI042590, (PI: Stephen J. Gange, PhD); NIAID</p> <p>Role: Co-Investigator</p>
<i>Pending</i>	
2020 – 2025	<p>Vision impairment burden and functional loss among HIV infected: the HIV Vision Study. R01 AG067820-01, (PI: Alison Abraham); NIA</p> <p>Role: Principal-Investigator</p>

Bibliography

Peer Reviewed – Original Research

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The lead author, Wen Chen, was a doctoral student from China that I arranged to come to the US to work on nutritional data in a pediatric CKD study through an award from the Chinese Scholarship Council, for which I helped her develop a research proposal. I was the senior mentor while Dr Betoko served as the junior mentor.
74. Muzaale AD, Althoff KN, Kucirka LM, **Abraham AG**, Massie AB, Brooks JT, Kitahata MM, Horberg MA, Justice AC, Fischer MJ, Silverberg MJ, Butt AA, Boswell SL Rachlis AR, Mayor A, Gill MJ, Eron JJ, Napravnik S, Drozd DR, Martin JN, Durand C, Locke JE, Moore RD, Lucas GM, Segev DL. Risk of End Stage Renal Disease in HIV-positive Potential Live Kidney Donors. *Am J Transplant*. 2017; 17(7):1823-1832. PMID: PMC5489376
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I was given the data from this study and asked to perform the appropriate analysis. Thus, I designed and implemented the analysis, producing all of the graphs and tables and provided text for the methods and results sections of the manuscript.
76. Armstrong NM*, Surkan PJ, Treisman GJ, Sacktor NC, Irwin MR, Teplin LA, Stall R, Martin EM, Becker JT, Munro C, Levine AJ, Jacobson LP, and **Abraham AG**. Association of Long-term Patterns of Depressive Symptoms and Attention/Executive Function among Older Men with and without Human Immunodeficiency Virus. *J Neurovirol*. 2017 Aug;23(4):558-567. PMID: PMC5623096
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96. Lee MJ*, Deal JA, Sharrett AR, Ramulu PY, **Abraham AG**. Prevalence of Retinal Signs and Association with Cognitive Status: The ARIC Neurocognitive Study. *J Am Geriatr Soc*. 2019 Jun;67(6):1197-1203. PMID: PMC6698148
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98. Chu DI, **Abraham AG**, Tasian GE, Denburg MR, Ross ME, Zderic SA, Furth SL Urologic Care and Progression to End-Stage Kidney Disease: A Chronic Kidney Disease in Children (CKiD) Nested Case-Control Study. *Journal of Pediatric Urology*. 2019 May;15(3):266.e1-266.e7. PMID: PMC6588473
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100. Lu H*, Surkan PJ, Irwin MR, Treisman GJ, Breen EC, Sacktor NC, Stall R, Wolinsky S, Jacobson LP, **Abraham AG**. Inflammation and Risk of Depression in HIV: Prospective Findings from the Multicenter AIDS Cohort Study. *Am J Epidemiol*. 2019 Nov 1;188(11):1994-2003. PMID: PMC6825834
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104. Genberg BL, Astemborski J, Treisman G, Anagnostopoulos A, Mehta SH, Kirk GD, **Abraham A**. Engagement in treatment for depression among people who inject drugs in Baltimore, Maryland. *J Subst Abuse Treat*. 2019 Nov;106:107-112. PMID: PMC6800030
105. Kim SJ, Reed N, Betz JF, **Abraham A**, Lee MJ, Sharrett AR, Lin FR, Deal JA. Retinal Signs and Age-Related Hearing Loss in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). *JAMA Otolaryngol Head Neck Surg*. 2019. In press.
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107. Surkan PJ, Wang R, Huang Y, Stall R, Plankey M, Teplin LA, Wight RG, Jacobson LP, **Abraham AG**. Victimization in Early Adolescence, Stress, and Depressive Symptoms Among Aging Sexual Minority Men: Findings from the Multicenter AIDS Cohort Study. *LGBT Health*. April 2020; 7(3): 155–165. PMID: PMC7175621
108. Greenberg JH, **Abraham A**, Xu Y, Schelling J, Feldman HI, Sabbisetti VS, Cardenas-Gonzalez M, Coca S, Schrauben SJ, Waikar SS, Vasan RS, Shlipak MG, Warady B, Kimmel PL, Bonventre JV, Denburg M, Parikh CR, Furth S. Plasma Biomarkers of Tubular Injury and Inflammation are Associated with Chronic Kidney Disease Progression in Children. *J Am Soc Nephrol*. 2020 May;31(5):1067-1077. PMID: PMC7217410
109. International Consortium on Teaching Epidemiology. Defining core competences for epidemiologists in academic settings to tackle tomorrow's health research challenges: a structured, multi-national effort. *American Journal of Epidemiology*. 2020 (Accepted for Publication) *Writing committee: Alison Abraham, Doreen Gille, Milo A. Puban, Gerben ter Riet, Viktor von Wyl*
110. Prodder JL, Park D, Packman Z, **Abraham AG**, Kigozi G, Ssekasanvu J, Kagaayi J, Kaul R, Gray RH, Tobian AAR, Lui C. Foreskin surface area is not associated with sub-preputial microbiome composition or penile cytokines. *PLoS One*. 2020 <https://doi.org/10.1371/journal.pone.0234256>
111. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Stosor V, Friedman MR, Detels R, Plankey M. Prevalence and Consequences of Perceived Vision Difficulty in Aging Adults with HIV-infection. *American Journal of Ophthalmology*. 2020 (Accepted for Publication)

**students or staff under my mentorship*

Note: Name change from Gump A to Abraham AG in 2005

Peer Reviewed – Letters to the Editor

1. **Abraham AG**, Strickler H, D'Souza G. Invasive cervical cancer is a function of CD4+ count and screening. *J Acquired Immune Defic Syndr*. 2013 Aug;63(5):e163
2. Ng DK, **Abraham AG**, Gross AL, Hooper AR. Bayesian Methods for Exposure Misclassification Adjustment in a Mediation Analysis. *Epidemiology*. 2020 May 20. doi: 10.1097/EDE.0000000000001213.

Book Chapters

1. Muñoz A, **Abraham AG**, Matheson M, Wada N. (2013) Non-proportionality of Hazards in the Competing Risks Framework. In Ting Lee M, Gail M, Pfeiffer R, Satten G, Cai T, Gandy A (Eds.), *Risk Assessment and Evaluation of Predictions* (First Edition). New York, New York: Springer Science+Business Media, LLC.

Scientific Meeting Presentations

Oral/ Podium Presentations

1. D'Souza G, Jing Y, Strickler H, Silverberg M, Engels E, Bosch R, Brooks JT, Dubrow R, Eron J, Gebo K, Gill MJ, Hogg R, Kitahata M, Klein M, Moore R, Rourke S, **Abraham AG**. Cervical cancer epidemiology among HIV-infected women in North America. Oral presentation for the 12th International Conference on Malignancies in AIDS and Other Acquired Immunodeficiencies. Bethesda, MD. April 2010.
2. D'Souza G, Jing Y, Strickler H, Silverberg M, Bosch R, Brooks JT, Engels E, Dubrow R, Hogg R, **Abraham AG**. Cervical cancer epidemiology among HIV-infected women in North America. Oral presentation for the International Papillomavirus Conference. Montreal, Canada. July 2010.
3. **Abraham AG**, Gange S, Jing Y, Bosch R, Brooks JT, Dubrow R, Eron J, Gebo K, Gill MJ, Hessol N, Hogg R, Kitahata M, Klein M, Moore R, Rourke S, Silverberg M, D'Souza G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Cervical cancer diagnosis and CD4+ Count trajectory in HIV-infected women in north america. Oral presentation for the XVIII International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010
4. Muñoz A, **Abraham A**, Matheson M. Non-proportionality of Sub-hazards in the Competing Events Framework. Oral presentation for the Conference on Risk Assessment and Evaluation of Predictions, Silver Spring, MD, October 12-14, 2011
5. Fathallah-Shaykh SA, Pierce CB, Blydt-Hansen TD, **Abraham AG**, Massengill SF, Warady BA, Furth SL, Wong CS. Proteinuria Predicts a Decline in Glomerular Filtration Rate Particularly in African-Americans and

Glomerular Chronic Kidney Disease. Oral presentation for the American Society of Nephrology, Philadelphia, PA, November 10 - November 13, 2011.

6. **Abraham AG**, Ying J, Beachler D, Silverberg M, Gill MJ, Dubrow R, Kitahata M, Klein M, Moore RD, and D'Souza G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the IeDEA. Incidence and Risk Factors for Oral Cancer Among HIV-Infected Individuals in North America. Oral presentation for the 19th Conference on Retroviruses and Opportunistic Infections, Seattle, March 5-8, 2012.
7. D'Souza G, Strickler H, Jing Y, Sterling T, Silverberg M, Samji H, Napravnik S, Moore R, Mathews WC, Klein M, Kitahata M, Kirk G, Gill J, Dubrow R, Burchell A, Brooks JT, Beachler DC and **Abraham A** on behalf of the North American AIDS Cohort on Collaboration and Design NA-ACCORD. Incidence and Risk Factors for Head and Neck Cancer and Cervical Cancer Among HIV-Infected Individuals in North America. Oral presentation for Eurogin Conference, Prague, Czech Republic, July 8-11, 2012.
8. Atkinson MA, Pierce CB, Fadrowski JJ, Benador NM, White CT, Turman MA, Pan CG, **Abraham AG**, Warady BA, and Furth SL. Association between common iron store markers and hemoglobin in children with chronic kidney disease. Oral presentation for the Pediatric Academic Societies'/American Association of Pediatric Nephrology annual meeting, Washington DC, May 6th, 2013
9. Althoff KN, Rebeiro P, Hanna D, Hogg R, Brooks JT, **Abraham A**, Horberg M, Buchacz K, Gill MJ, Mayor A, Burchell A, Rachlis A, Thorne J, Sterling T, Silverberg M, Klein M, Williams C for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Measures on a Map: A geographical display of HIV infection and care indicators. Oral Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
10. Kumar J, Friedman LA, **Abraham A**, Johnson VL, Kaskel FJ, Warady BA, Furth SL, Melamed ML, Portale AA. Prevalence and Determinants of 25-Hydroxyvitamin D Deficiency in the Chronic Kidney Disease in Children (CKiD) Cohort. Oral presentation for the Pediatric Academic Societies, District of Columbia, May 4-7, 2013
11. Armstrong N*, Surkan PJ, Gross AL, Treisman GJ, Sacktor NC, Irwin M, Wolinsky S, Stall R, Jacobson LP, **Abraham AG**. Longitudinal association between depressive phenotype and cognitive impairment in men with and without HIV. Oral Presentation for the 6th International Workshop on HIV & Aging. Washington, DC, USA, October 5-6, 2015
12. **Abraham AG**, Wang R, Haberlen S, Wada N, Palella FJ, Margolick JB, Macatangay B, Martínez-Maza O, Jacobson LP. The tricky business of mediation analysis: can we assess whether inflammation mediates the relationship between viremia exposure and mortality? Oral presentation for the International Workshop on HIV and HCV Observational Databases, Lisbon, Portugal, March 2017.
13. Slama L, Barrett B, **Abraham A**, Palella Jr FJ, Kingsley L, Viard JP, Lake JE, Brown TT. Risk for Incident Diabetes is Greater in Pre-Diabetic Men with HIV than Without HIV: The Multicenter AIDS Cohort Study. Oral presentation for the 21st International Workshop on Adverse Drug Reactions and Co-Morbidities in HIV. Basel, Switzerland. November 5-6, 2019
14. Masters MC, Kristine E, Brown T, Yang J, **Abraham A**, Kingsley L, Lake J. Impact of testosterone use on grip strength in men aging with HIV. Oral Presentation for the 10th International Workshop on HIV & Aging, New York City, NY, 10-11 October 2019

Posters

1. **Gump A**, LeGare M, and Hunt D. The application of Fitts' law to individuals with cerebral palsy. Poster presentation for the Western Psychological Association, Seattle, WA, April 24-27, 1997.
2. **Gump A**, LeGare M, and Hunt D. The application of Fitts' law to individuals with cerebral palsy. Poster presentation for the Society for Neuroscience, New Orleans, LA, November 4-9, 2000.
3. **Gump A**, Haughney L, and Fredberg JJ. Active force inhibition by isoproterenol versus tidal stretch in airway smooth muscle. Poster presentation for the American Thoracic Society, San Francisco, CA, May 18-23, 2001.
4. Mijailovich S, **Gump A**, and Fredberg J. Dynamic response of airway smooth muscle to physiological load in vitro: a comparison with predictions of perturbed myosin binding theory. Poster presentation for the North Eastern Smooth Muscle Society, Boston, MA, November 9, 2001.
5. Vitale S, **Gump A**, Cotch MF, and Smith JA. Investigation of thyroid function and age-related macular degeneration in the NHANES III study. Poster presentation for the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 26, 2004.
6. **Abraham, AG**, Duncan, DD and West S. Developing methods for consistent and robust grading of cortical cataract severity using digital retroillumination images. Poster presentation for the Society for Epidemiologic Research, Boston, MA, June 21, 2007.

7. **Abraham AG**, Schwartz G and Mu oz A. Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, Philadelphia, PA, November 4-9, 2008.
8. **Abraham AG** and Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Prevalence trends of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America: 2000-2005. Poster presentation for the 13th International Workshop on HIV Observational Databases, Lisbon, Portugal, March 26th – 28th, 2009.
9. **Abraham AG**, Lyketsos K, Munro C, Mu oz B and West S. The association of a unique cortical cataract phenotype with the onset of dementia. Poster presentation for the Wilmer Research Meeting, Baltimore, MD April 24, 2009.
10. **Abraham, AG**, Cox C and West S. The differential effect of ultraviolet light exposure on cataract rate across regions of the lens. Poster presentation for the 42nd Annual Meeting of the Society for Epidemiologic Research, Anaheim, California, June 23-26, 2009.
11. Schwartz GJ, **Abraham AG**, Maier PS, Furth SL, Dharnidharka V, Hellerstein S, Warady BA, Moxey-Mims M, Muñoz A. Particle Enhanced Nephelometric Immunoassay (PENIA, Dade Behring) Cystatin C Is Superior to Particle Enhanced Turbidometric Assay (PETIA, DAKO) as an Endogenous Biomarker for GFR in Children with CKD. Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
12. Schwartz GJ, **Abraham AG**, Dharnidharka V, Furth SL, Warady BA, Moxey-Mims M, Muñoz A. Particle Enhanced Nephelometric Immunoassay (PENIA, Dade Behring) Cystatin C Measurement Improves the Height/Screatinine Estimate of GFR in Children with CKD Compared to Particle Enhanced Turbidometric Assay(PETIA, DAKO). Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
13. Omoloja AA, Jerry-Fluker J, **Abraham AG**, Furth S, Warady B, Mitsnefes M. Smoking and Second Hand Smoking in Adolescents with Chronic Kidney Disease: A Report from the Chronic Kidney Disease in Children (CKiD) Cohort Study. Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
14. **Abraham AG**, Gange SJ, Moore RD, Lau B, Harrigan R, and Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the IeDEA. Methods for Estimating the Prevalence of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America. Poster presentation for the 17th Conference on Retroviruses and Opportunistic Infections, San Francisco, February 16-19, 2010.
15. Crawford KW, Li X, Xu X, **Abraham A**, Dobs AS, Margolick JB, Pallella FJ, Kingsley LA, Witt MD, Brown TT. Lipodystrophy and Inflammation Predict Grip Strength in HIV-infected Men: the MACS Body Composition Substudy. Poster presentation for the International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010.
16. **Abraham AG**, Palella FJ, Li X, Estrella MM, Kingsley L, Witt M, Jacobson LP. The relationship between hemoglobin and kidney function in HIV-infected men. Poster presentation for the XVIII International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010
17. **Abraham AG**, Zack RM, Mak RH, Mitsnefes MM, Warady BA, Kaskel FJ, Furth SL. Protein Energy Wasting in Children with Chronic Kidney Disease. Poster presentation for the 15th Congress of the International Pediatric Nephrology Association, New York, NY, August 29-Sept 1, 2010
18. **Abraham AG**, Modur S, Lau B, Zhang J, Eron J, Deeks SG, Moore R, Crane H, Gill MJ, Hogg R, Kitahata M, Klein M, Rodriguez B, Rourke S, and Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Estimating the Time to HIV Drug Resistance in HIV-infected Individuals in North America. Poster presentation for the 15th International Workshop on HIV Observational Databases, Prague, Czech Republic, March 24th – 26th, 2011.
19. **Abraham AG**, Muñoz A, Furth SL, Warady BA, Schwartz GJ. Extracellular Volume and Disease Progression in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
20. Furth SL, Flynn JT, Pierce CB, Mitsnefes M, Wong CS, Saland LM, Moxey-Mims MM, **Abraham AG**, Warady BA. Lower Systolic BP Associated with Slower CKD Progression in the CKiD Study. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
21. Estrella MM, **Abraham AG**, Jing Y, Parekh RS, Tien P, Anastos K, Cohen MH, Dehovitz JA, Szczech LA, Gange SJ. Antiretroviral-Treated HIV-Infected Women Have Kidney Function Trajectories Similar to HIV-Uninfected Women. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
22. Mendley SR, Gerson AC, Hooper SR, **Abraham AG**, Matheson M, Gipson DS, Lande M, Morgenstern BZ, Shinnar S, Warady BA, Furth SL. Trends in Health-Related Quality of Life in Children with Mild to Moderate

CKD. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.

23. Margolick JB, Jacobson LP, Schwartz, GJ, **Abraham AG**, Darilay, AT, Detels R, Kingsley L, Palella FJ. Factors affecting glomerular filtration rate, directly measured by iohexol clearance, among HIV-infected and -uninfected men in the Multicenter AIDS Cohort Study (MACS). Poster presentation for the 19th Conference on Retroviruses and Opportunistic Infections, Seattle, March 5-8, 2012.
24. Omoloja A, Matheson M, **Abraham A**, Mitsnefes M, Furth S, Warady B and Gerson AC. Is there an association between second-hand smoking exposure, neurocognitive functioning and HRQoL in children with CKD? Poster presentation for the Pediatric Academic Societies Meeting, Boston, MA April 28-May 1, 2012
25. Shiels M, Althoff K, Achenbach C, **Abraham A**, Burchell A, Cescon A, Crane H, D'Souza G, Gill MJ, Hessel N, Justice A, Kirk G, Klein M, Mathews WC, Moore R, Napravnik S, Novak R, Rodriguez B, Schouten J, Sterling T, Thorne J, Willig J, Silverberg M, Engels E, on behalf of the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA - TUPE160 – Poster Exhibition Age at cancer diagnosis in HIV-positive individuals in North America compared to the general U.S. Population. Poster presentation for the XIX International AIDS Conference, Washington DC, July22-27, 2012.
26. **Abraham AG**, Lau B, Estrella MM, Szczech L, Sterling T, Rourke R, Rodriguez B, Rachlis A, Parikh C, Napravnik S, Moore R, Moore D, Klein M, Kitahata M, Kirk G, Jing Y, Horberg M, Harris M, Gill MJ, Eron J, Crane H, Bosch R, Benson C, Anastos K, Althoff K, Lucas G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). Tenofovir-Associated Kidney Function Decline with a PI-based Versus NNRTI-based Regimen. Poster presentation for the XIX International AIDS Conference, Washington DC, July22-27, 2012.
27. Buchacz K, Lau B, Jing Y, Bosch R, Gandhi N, Gill MJ, **Abraham A**, Napravnik S, Goedert J, Eron J, Martin JN, Patel P, Rourke S, Samji H, Mayor A, Saag M, Silverberg MJ, Gange SJ, Moore RD, Brooks JT, for the NA-ACCORD. Incidence of AIDS-defining opportunistic illnesses (ADOIs) among patients with no prior clinical AIDS: the NA-ACCORD, 2000-2010. Poster Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
28. Oboko I, **Abraham AG**, Benning L, Anastos K, Sharma A, Young M, Burian P, Gandhi M, Cohen M, Szczech L. Tenofovir Use and Urinary Biomarkers among HIV-infected Women in the Women's Interagency HIV Study (WIHS). Poster presentation at the Infectious Disease Society of America National Conference, San Diego, CA, October 20, 2012
29. Warady BA, **Abraham AG**, Schwartz GJ, Munoz A, Wong CS, Mitsnefes M, Kaskel FJ, Greenbaum LA, Mak RH, Flynn JT, Moxey-Mims M, Furth SL. Disease Progression in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, San Diego, CA, Oct. 30 - Nov. 4, 2012.
30. Lucas G, Jing Y, Sulkowski M, **Abraham A**, Atta M, Fine D, Moore R, Estrella M for the North American AIDS Cohort Collaboration on Research and Design (NA ACCORD). Hepatitis C Co-infection and the Risk of Chronic Kidney Disease in HIV-infected Individuals: Does Hepatitis C Viremia Matter. Poster presentation for the 20th Conference on Retroviruses and Opportunistic Infections, Atlanta, March3-6, 2013.
31. **Abraham AG**, Modur S, Gange S, Eron J, Boswell B, Gill MJ, Justice A, Martin J, Mayor A, Moore R, Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance. Poster Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
32. **Abraham AG**, Modur S, Gange S, Eron J, Boswell B, Gill MJ, Justice A, Martin J, Mayor A, Moore R, Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance. Poster Presentation for Johns Hopkins Center for AIDS Research meeting. Baltimore, MD, June 7, 2013
33. Althoff KN, **Abraham AG**, Estrella MM, Crane HM, Freeman A, Gill MJ, Golub ET, Horberg M, Jacobson LP, Kitahata MM, McKaig R, Palella F, Parikh CR, Moore RD, Jing Y, Rodriguez B, Eron J, Napravnik S, Silverberg M, Mayor A, Krishnasami Z, and Lucas G for the North American AIDS Cohort Collaboration on Research and Design. Incidence of End-stage Renal Disease (ESRD) in the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Poster presentation for the 7th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Kuala Lumpur, Malaysia June 30- July 3, 2013.
34. Estrella MM, Li M, Parekh RS, **Abraham AG**, Hussain SK, Kao WHL. Association of the High Risk APOL1 Genotype with Longitudinal GFR Is Modified by HIV. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013

35. Portale AA, **Abraham AG**, Wolf M, Salusky IB, Jüppner H, Warady BA, Furth SL, Fibroblast Growth Factor 23 Predicts Progression of Chronic Kidney Disease in Children. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013
36. Kumar J, Friedman LA, **Abraham AG**, Johnson VL, Kaskel FJ, Warady BA, Furth SL, Melamed ML, Portale AA. Prevalence and Determinants of 25-hydroxyvitamin D Deficiency in the Chronic Kidney Disease in Children Cohort. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013
37. Rebeiro PF, Gange SJ, Horberg MA, **Abraham AG**, Napravnik S, Samji H, Yehia BR, Althoff KN, and Curriero FC for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). The geography of HIV clinical retention in the United States: regional trends in the NA-ACCORD. Poster presentation for the 18th International Workshop on HIV Observational Databases, Sitges, Spain, March 2014.
38. Slama L, Palella F, **Abraham AG**, Li X, Vigouroux C, Pialoux G, Kingsley L, Lake J, Brown T. HbA1c is a for predictor of fasting glycemia in HIV-infected men with low CD4 count, high MCV and MCH. Conference on Retroviruses and Opportunistic Infections, Boston, March 3-6, 2014.
39. Hui WF, Pierce CB, **Abraham AG**, Warady BA, White CT and Furth SL. Progression to next stage of chronic kidney disease (CKD) using modified KDIGO (eGFR/proteinuria) classification in children. Poster presentation for the American Society of Nephrology Meeting, Philadelphia, PA November 11-16, 2014
40. Hui WF, Pierce CB, **Abraham AG**, Warady BA, White CT and Furth SL. KDIGO eGFR/proteinuria category and risk in the Chronic Kidney Disease in Children (CKiD) Study. Poster presentation for the American Society of Nephrology Meeting, Philadelphia, PA November 11-16, 2014
41. **Abraham AG**, Darilay A, McKay HS, Margolick JB, Estrella MM, Palella FJ, Bolan R, Rinaldo CR, Jacobson LP. Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 23-26, 2015.
42. Wester WC, Jenkins CA, Koethe JR, Freeman A, Kalayjian R, Mendes A, **Abraham AG**, Lake JE, Erlandson K, Crane H, Sterling TR, Moore RD, Shepherd BE for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Association between angiotensin receptor blocker and angiotensin converting enzyme inhibitor exposure and all-cause mortality in HIV-infected adults. Poster presentation for the 19th International Workshop on HIV Observational Databases, Catania, Sicily, March 2015.
43. Rebeiro PF, **Abraham AG**, Horberg MA, Gill J, Yehia BR, Silverberg MJ, Rachlis AB, Samji H, Althoff KN, Sterling TR, Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Racial Differences in Discontinuity and Re-entry into HIV Care After Antiretroviral Therapy Initiation in the U.S. and Canada. Poster presentation for the 19th International Workshop on HIV Observational Databases, Catania, Sicily, March 2015.
44. Pereira L, **Abraham AG**, Hooper D, Mitsnefes MM, Warady BA, Furth SL. KDIGO guidelines and current blood pressure management in children with CKD. Poster presentation the Pediatric Academic Societies (PAS) 2015 Annual Meeting, San Diego CA. April 2015.
45. Shafi T, Jaar B, Zikusoka M, **Abraham A**, Knight C, El Hage N, Scheel P, Coresh J, Silber H. Non-Invasive Left Ventricular End-Diastolic Pressure (LVEDP) Measurement in Hemodialysis Patients: A Pilot Study. Poster Presentation for American Society of Nephrology Conference. San Diego CA, November 5, 2015
46. Althoff K, Estrella M, **Abraham A**, Gill MJ, Kitahata M, Horberg M, Hull M, Mayor A, Palella F, Lucas G. The racial survival paradox in HIV+ end-stage renal disease (ESRD) patients. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Boston, MA, February 23-26, 2016.
47. Wang R*, Lucas G, Estrella M, Shlipak M, Harris M, Horberg M, Kitahata M, Mayor A, Napravnik S, **Abraham. A**. Short-term Renal Impact of Tenofovir among HIV-infected patients in North America. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Boston, MA, February 23-26, 2016.
48. **Abraham AG**, Calkins K, Lau B, Zhang L, Tin A, Hoofnagle A, Palella Jr. FJ, Witt MD, Kingsley LA, Jacobson LP, Brown TT. Vitamin D status at therapy initiation and CD4+ T cell count recovery in HIV-infected men in the multicenter AIDS cohort study. Poster presentation for the International AIDS Society Meeting, Durban, South Africa July 18-22, 2016.
49. Zhang L*, Brown TT, Margolick JB, MWitt MD, Palella Jr FJ, Kingsley LA, Hoofnagle AN, Tin A, Jacobson LP, **Abraham AG**. Vitamin D Metabolites and Inflammation in the Multicenter AIDS Cohort Study (MACS). Poster presentation for IDWeek, New Orleans, Louisiana, October 26-30, 2016.
50. Liu CM, Prodder JL, Tobian AAR, Kaul R, **Abraham AG**, Kigozi G, Nalugoda F, Serwadda D, Price LB, Gray. RH. Abundance of penile anaerobes, IL-8, and the risk of HIV acquisition, Rakai, Uganda. Oral presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.

51. Wong C*, Gange SJ, Moore RD, Justice A, **Abraham AG**, Gebo K, Gill J, Martin JN, Mayor A, Althoff KN. Trend in multimorbidity among HIV+ adults in clinical care in the US. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
52. Haberlen S, Wang R, Palella FJ, Jacobson LP, Brown TT, Witt M, Berlacher K, Budoff M, **Abraham AG**, Post W. HIV viral burden associated with subclinical coronary artery disease in HIV+ men. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
53. Wang R*, Haberlen S, Palella FJ, Margolick JB, Macatangay B, Martínez-Maza O, Jacobson LP, **Abraham AG**. Viremia copy-years and mortality in HIV+ men starting art: how much history is needed. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
54. Zhang L*, Brown TT, Margolick JB, Haberlen S, MWitt MD, Palella Jr FJ, Kingsley LA, Hoofnagle AN, Jacobson LP, **Abraham AG**. Vitamin D Metabolites and Mortality Risk Among HAART-Treated HIV-Infected Men. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13- 16, 2017.
55. Lu H*, Surkan PJ, Gross AL, Treisman GJ, Breen EC, Sacktor NC, Irwin MW, Wolinsky S, Jacobson LP, **Abraham AG**. Inflammation and depressive symptoms in the Multicenter AIDS Cohort Study (MACS). Poster presentation for the International Workshop on HIV and HCV Observational Databases, Lisbon, Portugal, March 2017.
56. Chu D, **Abraham AG**, Pierce CB, Ross ME, Denburg MR, Tasian GE, Zderic SA, Furth SL. Urology Referral and Progression to End-Stage Renal Disease: A Chronic Kidney Disease in Children (CKiD) Nested Case-Control Study. Pediatric Urology Fall Congress, Montreal, Canada, September 8-10, 2017.
57. Girardat-Rotar L*, **Abraham AG**, Puhan MA and Serra AL. Personalisierte Entscheidungshilfe für eine Therapie am Beispiel der autosomal-dominante polyzystische Nierenerkrankung: Wann soll das Nierenvolumen gemessen werden. Swiss Public Health Conference 2017, Basel, Switzerland, November 22-23, 2017
58. **Abraham AG**, Sun J, Brown JK, Demehri S, Garza J, Palella F, Kingsley L, Jamieson B, Anagnostopoulos A, Althoff K, Brown TT. The effect of age and HIV on the anatomic distribution of femoral neck cortical and cancellous bone. Poster presentation for the 22nd International Workshop on HIV and Hepatitis Observational Databases. Fuengirola, Spain 22nd – 24th March 2018.
59. **Abraham AG**, Kong X, Guo G, Lee MJ, Ramulu P. Visual function and ocular pathology in an aging bi-racial population sample. Poster Presentation for the Association for Vision and Ophthalmology, Honolulu, Hawaii, April 28-May 4, 2018.
60. Lujan BJ, Tomlinson A, Hasan B, Carroll J, Guo X, Kong X, Erker LR, Jia Y, Huang D, Wilson DJ, Ramulu PY, **Abraham AG**. Initial Quality Control Assessment of Optical Coherence Tomography Angiography Data in the EyeDOC Study. Poster Presentation for the Association for Vision and Ophthalmology, Honolulu, Hawaii, April 28-May 4, 2018.
61. **Abraham AG**, Kong X, Guo X, Lee MJ, Ramulu P. Visual function and ocular pathology in an aging bi-racial population sample. Poster Presentation for the 29th Annual Wilmer Research Meeting, Baltimore, MD, May 18, 2018.
62. **Abraham AG**, Sharma A, Sun J, Brown JK, Garza J, Shah JG, Brown TT, Yin MT. Make no bones about it: hip bone health in aging HIV-infected and –uninfected women. . Poster presentation for the 23rd International Workshop on HIV and Hepatitis Observational Databases. Athens, Greece, 27nd – 29th March 2019.
63. **Abraham AG**, Guo X, Kong X, Sharrett R, Huang D, Ramulu P. Retinal microvascular health and what it tells us about cognitive function: the Eye Determinants of Cognition (EyeDOC) Study. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
64. Couser E*, Swenor, B, Guo X, Kong X, Sharrett R, Huang D, Ramulu P, **Abraham AG**. Moving Beyond Visual Acuity: Examining Associations between Visual acuity, Contrast Sensitivity, and Cognition in an Older Adult Population. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
65. Guo X*, Kong X, Sharrett R, Ramulu P, **Abraham AG**. Retina Structural Features by Optical Coherence Tomography in a Bi-Community Population: the Eye Determinant of Cognition (EyeDOC) Study. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
66. Kherani S*, Sharrett R, Guo X, You Q, Liu L, Huang D, Ramulu P, **Abraham AG**, Kong X. Intergrader Reproducibility of Peripapillary Retinal Metrics from Optical Coherence Tomographic Angiography in Community Dwelling Older Adults. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
67. Ramulu P, Guo X, Kong X, Sharrett R, **Abraham AG**. Association of OCT Structural Measures and Axial Length with Cognitive Ability in a Bi-Racial Sample of Non-Demented Adults. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.

68. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Plankey M. Vision difficulty in aging HIV-infected men and the health consequences Society for Epidemiologic Research Meeting, Minneapolis, MN, June 18-20 2019.
69. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Plankey M. The physical and mental health implications of vision impairment in aging HIV-infected men. International AIDS Society Meeting, Mexico City, Mexico, 21-24 July 2019.
70. Denberg M, Xu Y, **Abraham AG**, Coresh J, Chen J, Rebholz C, Rhee EP, Feldman HI, Kimmel PL, Hooper SH, Warady BA, Furth SL. Metabolomic Profiling for Discovery of Biomarkers of Neurocognitive Impairment in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology (ASN), Washington, DC, November 7, 2019
71. Rebholz CM, Chen J, **Abraham AG**, Xu Y, Siewe A, Warady BA, Rhee EP, Furth SL, Coresh J, Denburg M. Metabolomics of Dietary Protein Sources and CKD Progression in Children. Poster presentation for the American Society of Nephrology (ASN), Washington, DC, November 7, 2019
72. Masters MC, Yang J, Lake JE, **Abraham A**, Kingsley L, Brown TT, Palella FJ, Erlandson KM. Glycemic Status and Physical Function Among Men with and Without HIV. Poster for Conference on Retroviruses and Opportunistic Infections (CROI). Boston, Massachusetts, March 8–11, 2020
73. Slama L, Barrett B, **Abraham A**, Palella FJ, Kingsley L, Viard J, Lake JE, Brown TT. Risk for Incident Diabetes is Greater in Prediabetic Men with HIV Than Without HIV. Poster for Conference on Retroviruses and Opportunistic Infections (CROI). Boston, Massachusetts, March 8–11, 2020
74. Lee AM, **Abraham AG**, Xu Y, Xiao R, Coresh J, Rebholz C, Chen J, Rhee EP, Feldman HI, Kimmel PL, Warady BA, Furth SL, Denburg MR, for the CKD Biomarkers Consortium. Machine learning to identify metabolomic signatures in pediatric focal segmental glomerular sclerosis", has been accepted for the Pediatric Academic Societies (PAS) 2020 Meeting, May 2-5, 2020, in Philadelphia, PA.

**students or staff under my mentorship*

Note: Name change from Gump A to Abraham AG in 2005