

1. PERSONAL DATA

Place of Birth: Pasco, Washington, USA
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Seattle, Washington 98109 U.S.A.
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2. EDUCATION

1992 University of Washington, B.S., Mathematics
1994 University of Washington, M.S., Biostatistics
1996 University of Washington, Ph.D., Biostatistics

3. POSTGRADUATE TRAINING

1997 Research Fellow: Department of Biostatistics, Harvard School of Public Health

4. FACULTY POSITIONS HELD

1998-2001 Assistant Professor, Department of Biostatistics, Harvard School of Public Health
2001-2002 Assistant Member, Fred Hutchinson Cancer Research Center
2002-2004 Research Assistant Professor, Department of Biostatistics, University of Washington School of Public Health
2002-2007 Associate Member, Fred Hutchinson Cancer Research Center
2004-2008 Research Associate Professor, Department of Biostatistics, University of Washington School of Public Health
2004-2011 Co-Principal Investigator, Statistical Data Management Center of the HIV Vaccine Trials Network, Fred Hutchinson Cancer Research Center
2007-present Member/Professor, Fred Hutchinson Cancer Research Center
2008-present Research Professor, Department of Biostatistics, University of Washington School of Public Health
2011-present Principal Investigator, Statistical Data Management Center of the HIV Vaccine Trials Network, Fred Hutchinson Cancer Research Center
2013-2019 Chair, Program in Biostatistics, Bioinformatics, and Epidemiology, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center
2020-present Statistical Leadership, Coronavirus Prevention Network (Vaccine Clinical Trials Component)

5. HOSPITAL POSITIONS HELD

N/A

6. HONORS

1992 B.S, Magna Cum Laude
1994 Honorary Donovan J. Thompson Award for outstanding performance as a student in biostatistics, University of Washington
1995 School of Public Health and Community Medicine Outstanding Student Scholarship, University of Washington
1996 Senior Biostatistics Student Award, University of Washington
2005- Ross L. Prentice Professorship at the Department of Biostatistics,

2006	University of Washington
2010	MERIT Award (R37) from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, for the grant, "Statistical Methods in HIV Vaccine Efficacy Trials"
2014	Fellow, American Statistical Association
2018	Highly Cited Researcher list: Web of Science citation record in the top 1% of citations for the "Cross-Field" category (Clarivate Analytics)
2019	Highly Cited Researcher list: Web of Science citation record in the top 1% of citations for the "Cross-Field" category (Clarivate Analytics)
2019	2019 ASA SPAIG Award for the Fred Hutch/Sanofi Pasteur academic/industry partnership. Citation: "For addressing critical public health concerns on safety and efficacy of a dengue vaccine through development and application of novel statistical methods."
2020	MERIT Award (R37) from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, for the grant, "Statistical Methods for Efficacy Trials of Vaccines and Monoclonal Antibodies Against Genetically-Diverse Pathogens"
2021	2021 Statistics in Biosciences Best Paper Award "Generating survival times using Cox proportional hazards models with cyclic and piecewise time-varying covariates" by Yunda Huang, Yuanyuag Zhang, Zong Zhang, Peter B Gilbert
2021	Keynote Speaker 2021 Georgia Statistics Day, Emory University
2021	Gilbert, Montefiori, McDermott et al. (2022, <i>Science</i>) featured in the NIH Director's Blog on December 7, 2021

7. BOARD CERTIFICATION

N/A

8. LICENSURE

N/A

9. PROFESSIONAL ORGANIZATIONS

- 1997-present American Statistical Association
- 2014-present American Society of Tropical Medicine & Hygiene
- 1997-present International Biometrics Society

10. TEACHING RESPONSIBILITIES

- 1997-2000 Guest lecturer, miscellaneous courses, Harvard School of Public Health
- 1998-1999 Director of the Biostatistics Department's student consultation laboratory for two semesters, Biostatistics Consultation (Bio 312ab and Bio 312cd), Department of Biostatistics, Harvard School of Public Health
- 1999 Course developer and lecturer (4 lectures), School of Modern Statistical Methods in Medical Research, International Centre for Theoretical Physics, Trieste, Italy
- 1999 Course co-developer and lecturer; Statistics, Data Management, and Monitoring of Clinical Trials (one-week short course, Part I), Institute of Population Scientific Research, Mahidol University, Bangkok, Thailand
- 2000 Course co-developer and lecturer; Statistics, Data Management, and

- 2000 Monitoring of Clinical Trials (one-week short course, Part II), Department of Biostatistics, Mahidol University, Bangkok, Thailand
Statistical Methods in Biology (DBB 207cd), Division of Biological Sciences, Harvard School of Public Health, 5 credits
- 2001 Regression and ANOVA in Experimental Research (Bio 211), Harvard School of Public Health, 5 credits
- 2002 Seminar in Biostatistics (Biostat 580), Department of Biostatistics, University of Washington, 1 credit
- 2003 Medical Biometry III (Biostat 513), Department of Biostatistics, University of Washington, 4 credits
- 2004-2009 Guest lecturer, Biostat 511, EPI 590B, University of Washington School of Public Health
- 2006 Evaluating Vaccine Efficacy (Biostat 578A), Department of Biostatistics, University of Washington, 4 credits
- 2009-2014 Course co-developer and lecturer, Module on 'Immune Correlates of Vaccine-Induced Protection' at the University of Washington Summer Institute in Statistics and Modeling for Infectious Diseases
- 2011 Course co-developer and instructor (for Thailand workshop), Statistical Issues for HIV Vaccine Efficacy Trials. Global HIV Vaccine Enterprise Young Investigator Training Workshop (OCTAVE), Rio de Janeiro, Brazil and Bangkok, Thailand
- 2012 Guest lecturer, Global Health H563/Epidemiology 549, University of Washington
- 2012 Course developer and instructor, Workshop on Concepts and Assessment of Immune Correlates of Vaccine Protection. Center for Biologics Evaluation and Research (CBER), FDA
- 2015 Course co-developer and instructor, Workshop on Statistical Issues in HIV Vaccine Trial Design and Evaluation, Cape Town, South Africa
- 2016 Course co-developer and instructor, Workshop on Next Generation Sequencing in Clinical Vaccine Trials with Application to Vaccine and Monoclonal Antibody Efficacy Trials, Cape Town, South Africa
- 2016-2017 Course co-developer and lecturer with Dean Follmann, Module on 'Evaluating Vaccine Efficacy' at the University of Washington Summer Institute in Statistics and Modeling for Infectious Diseases
- 2018 Course co-developer and instructor, Short-course (2 days) on Statistical Methods and R Code Tutorials for the Analysis of Immune Correlates in Vaccine Efficacy Trials, Sanofi Pasteur, Swiftwater, PA
- 2020 Guest lecturer, Global Health H563/Epidemiology 549, University of Washington
- 2022 Co-organizer, Workshop on Statistical Challenges in the Identification, Validation, & Use of Surrogate Markers, Banff International Research Station, Oaxaca, Mexico (August)
- A. Fellows and Post-Doctoral Fellows in Laboratory
- 2005-2007 Zhu Wang, Fred Hutchinson Cancer Research Center
Associate Professor, Department of Epidemiology & Biostatistics, UT Health San Antonio
- 2011-2014 Andrew Fiore-Gartland, Fred Hutchinson Cancer Research Center
Staff Scientist, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center
- 2013-2014 Michal Juraska, Fred Hutchinson Cancer Research Center

Staff Scientist, Vaccine and Infectious Disease Division, Fred
Hutchinson Cancer Research Center

B. Graduate Students

- 1998-1999 Andrea Foulkes, Doctoral Committee Member, Department of
Biostatistics, Harvard School of Public Health
- 1998-1999 Rose Dahliwahl, Masters Committee Member, Department of Pharmacy,
Northeastern University
- 1999-2001 Raji Balasubramanian, Doctoral Committee Member, Department of
Biostatistics, Harvard School of Public Health
- 2001 Sung-Kiang Chuang, Doctoral Committee Member, Harvard School of
Dental Medicine, Harvard School of Public Health
- 2002 Jinbo Chen, Doctoral Committee Member, Department of Biostatistics,
University of Washington
- 2002 Yingye Zheng, Doctoral Committee Member, Department of
Biostatistics, University of Washington
- 2002-2005 Bryan Shepherd, Research Assistant Supervision, Independent Study and
PhD Dissertation Chair (2002-2005), Department of Biostatistics,
University of Washington
Professor and Vice Chancellor, Department of Biostatistics, Vanderbilt
University Medical Center
- 2003-2004 Theresa Kim, Research Assistant Supervision, Department of
Biostatistics, University of Washington
- 2003-2005 Melissa Carbine, Department of Epidemiology, University of
Washington
- 2004 Petra Buzkova, Doctoral Committee Member, Department of
Biostatistics, University of Washington
- 2004-2006 Marloes Maathuis, Doctoral Committee Member, Department of
Statistics, University of Washington
- 2004-2006 Mark Giganti, Research Assistant Supervision, Department of
Biostatistics, University of Washington
- 2005-2006 Bo Zhang, Masters Thesis Chair and Research Assistant Supervision,
Department of Biostatistics, University of Washington
- 2006-2007 Ying Huang, Doctoral Committee Member, Department of Biostatistics,
University of Washington
- 2006-2008 Leslie Taylor, Doctoral Committee Member, Department of
Biostatistics, University of Washington
- 2006-2008 Joanna Scott, Research Assistant Supervision, Independent Study and
PhD Dissertation Chair (2006-2008), Department of Biostatistics,
University of Washington
Assistant Professor, School of Dentistry, University of Missouri, Kansas
City
- 2006-2009 Julian Wolfson, Research Assistant Supervision, Independent Study and
PhD Dissertation Chair (2006-2009), Department of Biostatistics,
University of Washington
Associate Professor, Division of Biostatistics, School of Public Health,
University of Minnesota
- 2006-2013 Allan deCamp, Research Assistant Supervision, Independent Study and
PhD Dissertation Chair (2008-2013), Department of Biostatistics
Department of Biostatistics, University of Washington
Staff Scientist, Vaccine and Infectious Disease Division, Fred
Hutchinson Cancer Research Center

- 2007 Charlotte Gard, Research Assistant Supervision, Department of Biostatistics, University of Washington
- 2007-2009 Yuying Jin, Research Assistant Supervision, Department of Biostatistics, University of Washington
- 2008-2009 Cecilia Cotton, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2008-2009 Jessie Wu, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2008-2010 Ken Wu, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2008-2010 Richard Newman, Department of Health Services, University of Washington
- 2009-2010 Blythe Adamson, Department of Epidemiology, University of Washington
- 2009-2012 Michal Juraska, Research Assistant Supervision, Independent Study and PhD Dissertation Chair (2009-2012), Department of Biostatistics, University of Washington
Staff Scientist, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center
- 2009-2012 Erin Gabriel, Research Assistant Supervision, Independent Study and PhD Dissertation Chair (2009-2012), Department of Biostatistics, University of Washington
Assistant Professor, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet
- 2009-2013 Tanya Granston, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2010-2012 Takumi Saegusa, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2012-2014 Cheng Zheng, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2012-2014 Megan Smith, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2012-2014 Rong Fu; Independent Study, Research Assistant Supervision, and PhD Dissertation Chair; Department of Biostatistics, University of Washington
- 2013-2014 Jie Hu, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2013-2015 Leila Zelnick, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2013-2015 David Benkeser, PhD Dissertation co-Chair (with Marco Carone), Research Assistant Supervision (2015), Department of Biostatistics, University of Washington
- 2013-2017 Yingying Zhuang, Research Assistant Supervision, Independent Study and PhD Dissertation co-Chair (with Ying Huang) (2013-2017), Department of Biostatistics, University of Washington
- 2014-2016 Linbo Wang, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2014-2020 Brenda Price, Independent Study and PhD Dissertation Chair, Research Assistant Supervision (2016-2020), Department of Biostatistics, University of Washington
- 2015-2016 Clara Oromendia, Masters Thesis co-Chair (with Marco Carone), Department of Biostatistics, University of Washington

- 2015-2017 Tracey Marsh, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2016-2018 Ted Westling, Doctoral Committee Member and Research Assistant Supervision, Department of Statistics, University of Washington
- 2017 Jason Shao, Masters Committee Member, Department of Biostatistics, University of Washington
- 2017-2019 Brian Williamson, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2017-2019 Yunqi Bu, Research Assistant Supervision, Department of Statistics, University of Washington
- 2018-2019 Yuxiang Xie, Doctoral Committee Member, Department of Biostatistics, University of Washington
- 2019-2021 Gui Liu, Doctoral Committee Member, Graduate School Representative, Department of Epidemiology, University of Washington
- 2019-2021 Qijun (Kendrick) Li, Research Assistant Supervision, Department of Biostatistics, University of Washington
- 2020-2021 Wenbo Zhang, Research Project Supervision, Department of Biostatistics, University of Washington
- 2020-2021 Lars van der Laan, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2020-present Leah Andrews, Research Reading Supervision, Department of Biostatistics, University of Washington
- 2021-present Lars van der Laan, Research Assistant Supervision, Department of Statistics, University of Washington
- 2021-present Avi Kenny, Doctoral Committee Member, Department of Biostatistics, University of Washington

C. Undergraduate Students

- 2014, 2016 Alexander Chao, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2017 Audra Fain, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2017, 2018 Stephanie Wu, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2017, 2018 Christopher Simpkins, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2019 Leoncie Bizimana, Summer Undergraduate Research Program (SURP) Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2020-2021 Brian Simpkins, Student Internship Supervision, Fred Hutchinson Cancer Research Center
- 2021 Maria Alejandr Cuevas, Student Internship Supervision, Fred Hutchinson Cancer Research Center

D. Invited Talks

- 1995 “Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine.” *DIMACS International Conference on HIV-1 Sequence Variation and Statistical Methods*, Rutgers University, New Brunswick, New Jersey.
- 1996 “Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine.” *Biostatistics Departmental Seminar*, University of California at Los Angeles, Los Angeles, California.

- 1996 "Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine." *Division of Statistics Seminar*, University of California at Davis, Davis, California.
- 1996 "Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine." *Biostatistics Departmental Seminar*, University of Wisconsin, Madison, Wisconsin.
- 1996 "Maximum likelihood estimation in semiparametric selection bias models with application to AIDS vaccine trials." *Biostatistics Departmental Seminar*, University of Rochester, Rochester, New York.
- 1996 "Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine." *Biostatistics Departmental Seminar*, Harvard University, Cambridge, Massachusetts.
- 1996 "Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 vaccine." *Statistics Departmental Seminar*, Stanford University, Palo Alto, California.
- 1996 "Sieve analysis: Statistical methods for assessing differential protection of an HIV-1 Vaccine." *Biostatistics Departmental Seminar*, University of Washington, Seattle, Washington.
- 1996 "Statistical issues in assessing secondary endpoints in HIV-1 vaccine trials." *HIV-1 Vaccines for Developing Countries: Design of Efficacy Trials*, Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries, Dedham, Massachusetts.
- 1997 "Maximum likelihood estimation in semiparametric selection bias models with application to AIDS vaccine trials." *Statistics Departmental Seminar*, Rutgers University, New Brunswick, New Jersey.
- 1997 "Sieve analysis: Statistical methods for assessing differential vaccine protection against HIV-1 types." *ENAR*, Session Statistical Methods in HIV-1 Genomic Research and HIV-1 Vaccines, organized by Francoise Seillier-Moiseiwitsch, Memphis, Tennessee.
- 1997 "Maximum likelihood estimation in semiparametric selection bias models with application to AIDS vaccine trials." *Biostatistics Departmental Seminar*, Johns Hopkins University, Baltimore, Maryland.
- 1997 "Sieve analysis: statistical methods for assessing type-specific vaccine protection from vaccine trial data." *Epidemiology and Statistics Division*, National Institute of Child Health and Human Development, Rockville, Maryland.
- 1998 "Preventive HIV-1 vaccine efficacy trial design." *International Conference, HIV-1 Vaccines in Thailand: Current Progress 1998*. Co-sponsored by the Harvard AIDS Institute, UNAIDS, AIDS Division of the Department of Communicable Disease Control of the Thailand Ministry of Public Health; Asean Institute for Health Development; and Center for Vaccine Development of Mahidol University, Bangkok, Thailand.
- 1998 "Design and analysis issues for assessing viral and immune correlates of vaccine protection." *HIV-1 Vaccines for developing countries: Immune Correlates of Protection*, Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries, Dedham, Massachusetts.
- 1998 "Applications of semiparametric biased sampling models to AIDS vaccine and treatment trials." *22nd European Meeting of Statisticians; 7th Vilnius Conference on Probability Theory and Mathematical Statistics*, session on Semiparametric Models, organized by Susan Murphy, Vilnius, Lithuania.
- 1998 "Empirical processes and semiparametric biased sampling models." *Empirical Processes in Non- and Semiparametric Statistics*, Humboldt University, Berlin, Germany."
- 1998 "Empirical processes and semiparametric biased sampling models." *Statistics Departmental Seminar*, Yale University, New Haven, Connecticut.
- 1998 "Two randomized trial designs for studying HIV-1 vaccines in infants." *HIV-1 Vaccines for Developing Countries: Vaccinating Against the Leading Infectious Killers in Children*,

- Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Dakar, Senegal.
- 1999 “Sieve analysis.” *VaxGen Incorporated*, Brisbane, California.
- 1999 “Strain selection for HIV-1 vaccine design.” *HIV-1 Vaccines for Developing Countries: Prioritizing Vaccine Candidates for Human Trials*, *Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Dedham, Massachusetts.
- 2000 “Scientific issues in preventive HIV-1 vaccine efficacy trials.” *Second National Conference on HIV-1 and AIDS in Botswana*, Gaborone, Botswana.
- 2000 “Comparison of HIV-1 and HIV-2 infectivity from a prospective cohort study in Senegal.” Fred Hutchinson Cancer Research Center, Seattle, Washington.
- 2000 “Comparison of HIV-1 and HIV-2 infectivity from a prospective cohort study in Senegal.” *International Biometrics Society Meeting*, San Francisco, California.
- 2000 Comparison of HIV-1 and HIV-2 infectivity from a prospective cohort study in Senegal. *Statistics Departmental Seminar*, University of British Columbia, Vancouver, Canada.
- 2000 “Scientific issues in preventive HIV-1 vaccine efficacy trials.” *HIV-1 Vaccines for Developing Countries: Vaccines for Southern Africa*. *Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Arusha, Tanzania.
- 2001 “Issues in primary endpoint selection in AIDS clinical trials.” *U.S. FDA Meeting on Endpoints for AIDS Clinical Trials*, Division of AIDS, Rockville, Maryland.
- 2001 “Sieve analysis.” *Harvard AIDS Institute Seminar*, Harvard School of Public Health, Boston, Massachusetts.
- 2001 “Data management in HIV-1 vaccine trials.” *HIV-1 Vaccines for Developing Countries: Establishing networks for HIV-1 trials in Southern Africa*, *Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Gaborone, Botswana.
- 2001 “Monitoring of HIV-1 vaccine efficacy trials. *HIV-1 Vaccines for Developing Countries: Establishing networks for HIV-1 trials in Southern Africa*, *Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Gaborone, Botswana.
- 2002 “Assessing HIV vaccine effects on viral load in preventive vaccine efficacy trials.” *Biostatistics Departmental Seminar*, University of Washington School of Public Health, Seattle, Washington.
- 2003 “Data management for clinical trials.” *HIV-1 Vaccines for Developing Countries: Prospects for an HIV-1 Vaccine for West Africa*, *Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries*, Abuja, Nigeria.
- 2003 “Methods for comparing mark-specific hazards and cumulative incidence functions between two groups, with application to HIV vaccine trials.” *International Conference on Reliability and Survival Analysis*, University of South Carolina, Columbia, South Carolina.
- 2003 “Methods for comparing mark-specific hazards and cumulative incidence functions between two groups, with application to HIV vaccine trials.” *Biostatistics Departmental Seminar*, University of Washington School of Public Health, Seattle, Washington.
- 2003 Gilbert PB, Popovic V, Gurwith M, Francis D. “Immunologic responses to rgp-120 vaccine and correlation with the risk of HIV infection - results from the world’s first HIV vaccine efficacy trial.” In: *Program and abstracts of AIDS Vaccine 2003*, New York, New York.
- 2004 Gilbert PB, Shepherd BE*. “Sensitivity analyses comparing outcomes measured only in a subset selected post-randomization, with application to HIV vaccine trials.” *Genentech*, San Francisco, California.
- 2004 Gilbert PB, Shepherd BE*. “Sensitivity analyses comparing outcomes measured only in a subset selected post-randomization, with application to HIV vaccine trials.” *Department of Biostatistics*, University of California San Francisco, San Francisco, California.
- 2004 “Analysis of post-infection vaccine effects in VaxGen’s two Phase 3 trials.” *Workshop on End Points and Regulatory Issues in HIV Vaccines and Clinical Trials*, Rockville, Maryland.

- 2004 “Surrogate and clinical endpoints for HIV vaccine efficacy trials.” *HIV-1 Vaccines for Developing Countries: Initiation of Vaccine Trials in Africa*, Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries, Gaborone, Botswana.
- 2004 “Moving up the ladder in HIV vaccine trials.” *HIV-1 Vaccines for Developing Countries: Initiation of Vaccine Trials in Africa*, Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries, Gaborone, Botswana.
- 2004 “Inferring dependency of HIV vaccine efficacy on HIV distance.” *Schering-Plough Symposium*, Department of Biostatistics, Harvard School of Public Health, Boston, Massachusetts.
- 2004 “Endpoints and analytics for Phase IIb/III HIV vaccine trials.” *Meeting of the External Advisory Panel on the Scientific Agenda of the HVTN*, Bethesda, Maryland.
- 2005 Gilbert PB, Shepherd BE*, Jemai Y, Rotnitzky A. “Sensitivity analysis comparing outcomes measured only in a subset selected post-randomization.” *Joint Statistical Meetings*, Minneapolis, Minnesota.
- 2005 Gilbert PB, Hudgens M. “Comparison of group testing algorithms for identifying acute HIV-1 infections.” *Acute HIV-1 Infection*, Harvard AIDS Institute Symposium Series on Vaccine Solutions for Developing Countries, Nairobi, Kenya.
- 2005 Gilbert PB, Forthal D. “Role of FcγRIIa and FcγRIIIa genotype in risk of HIV infection and VEs.” *HIV Vaccine Trials Network Group Meeting*, Seattle, Washington.
- 2006 Gilbert PB, Hudgens M. “Evaluating causal effect predictiveness of candidate surrogate endpoints.” *Prentice Professorship Lecture*, Fred Hutchinson Cancer Research Center, Seattle, Washington.
- 2006 Gilbert PB, Hudgens M. “Evaluating causal effect predictiveness of candidate surrogate endpoints.” Department of Biostatistics, University of Washington, Seattle, Washington.
- 2006 Gilbert PB, Qin L, Self SG. “A framework for evaluating immunological correlates of protection in vaccine trials.” *NIH/NIAID Workshop on Statistical Methods in HIV/AIDS and its Practical Application*, Bethesda, Maryland.
- 2006 Gilbert PB, Qin L, Self SG. “Evaluating immunological correlates of protection.” *HIV Vaccine Trials Network Group Meeting*, Seattle, Washington.
- 2007 Gilbert PB, Hudgens M. “Evaluating causal effect predictiveness of surrogate endpoints, with application to HIV vaccine trials.” *UCLA Biostatistics Departmental Seminar*, Los Angeles, California.
- 2007 “Sieve analysis in HIV vaccine trials.” *First Vaccine Infectious Disease Institute Symposium*, Seattle, Washington.
- 2007 “Sieve analysis for PAVE-100: Toward a statistical analysis plan.” *PAVE 100 Viral and Host Genetics Workshop*, Vaccine Research Center, NIH, Bethesda, Maryland.
- 2007 Gilbert PB, McKeague I, Sun Y. “Evaluating dependency of HIV vaccine efficacy on viral genetics via mark-specific hazard function modeling.” Fred Hutchinson Cancer Research Center, Seattle, Washington.
- 2007 Gilbert PB. Molecular signatures of acutely infecting viruses.” *Second International Conference on HIV Transmission*, Washington, DC.
- 2007 “Overview of correlates and surrogates.” *World Health Organization workshop on HIV Vaccine Trial Endpoints*, Agence Nationale de Recherches dur le Sida (ANRS), Paris.
- 2007 Gilbert PB, Self SG, Mehrotra D, Duerr A. “Longer-term follow-up of STEP study volunteers.” *HIV Vaccine Trials Network Group Meeting*, Seattle, Washington.
- 2007 “Evaluating immunological correlates of protection.” *Center for AIDS Research Seminar*, University of Washington, Seattle, Washington.
- 2008 “Test of concept vaccine trials.” Merck Vaccines, Blue Bell, Pennsylvania.
- 2008 “Test of concept vaccine trials.” *University of Pennsylvania Annual Conference on Statistical Issues in Clinical Trials*, Philadelphia, Pennsylvania.
- 2008 “Test of concept vaccine trials.” *Division of AIDS, NIAID, NIH*, Bethesda, Maryland.

- 2008 “Assessing how vaccine efficacy depends on HIV genetics by competing risks failure time methods.” *Joint Statistical Meetings*, Denver, Colorado.
- 2009 “Mark-specific proportional hazards model with missing marks.” *WNAR International Biometrics Society Meeting*, Portland, Oregon.
- 2009 Gilbert PB, Sun Y. “Sieve analysis of STEP sequences.” *AIDS Vaccine Research Subcommittee*, Bethesda, Maryland.
- 2009 “Leveraging baseline characteristics to improve HIV prevention trials.” In: *Keystone Symposium on HIV Prevention*, Keystone, Colorado.
- 2009 “Sieve analysis of STEP sequences.” *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2009 “Endpoints and monitoring for HVTN 505.” *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2010 “Thailand HIV vaccine efficacy trial: secondary/exploratory analyses for interpreting the efficacy result and for guiding future vaccine research.” *Memorial Symposium for Stephen Lagakos*, Harvard Medical School, Boston, Massachusetts.
- 2011 “What is an immune correlate?” *Military HIV Research Program – Thai Ministry of Public Health Immune Correlates Briefing*, Bangkok, Thailand.
- 2011 “Statistical considerations in the RV144 pilot and case control studies.” *Military HIV Research Program – Thai Ministry of Public Health Immune Correlates Briefing*, Bangkok, Thailand.
- 2011 “What is an immune correlate and how can it be used to guide vaccine development?” *Sixth Annual Meeting of the Collaboration for AIDS Vaccine Discovery*, Seattle, Washington.
- 2012 “Immune correlates and sieve analysis of RV144, plus follow-up research.” *AIDS Vaccine Research Subcommittee* Bethesda, Maryland.
- 2012 “Sequential phase 2b and 3 efficacy trial designs for evaluating vaccine efficacy and immune correlates for multiple HIV vaccine regimens.” *AIDS Vaccine Research Subcommittee*, Bethesda, Maryland.
- 2012 “Surrogate endpoints in the current era of HIV clinical trials.” *Clinical Trials Workshop, Nineteenth Conference on Retroviruses and Opportunistic Infections*, Seattle, Washington.
- 2012 “Statistical science perspective on the way forward.” *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2012 “A two-stage sequential phase 2b trial design for evaluating vaccine efficacy and immune correlates for multiple HIV vaccine regimens.” *ASA Biopharmaceutical Section FDA-Industry Statistics Workshop*, Washington, DC.
- 2012 “Analytics and the SDMC.” *HIV Vaccine Trials Network Full Group Meeting*, Seattle, Washington, DC.
- 2012 “Evaluating vaccine efficacy and immune correlates of protection.” *Harvard School of Public Health-China 7th Annual HIV/AIDS Workshop, HIV/AIDS Treatment Strategies in Resource Poor Settings*, Hainan Island, China.
- 2012 “Assessing immune correlates of protection via the vaccine efficacy curve.” *Webinar for the Vaccines Sub-Committee of the International Society for Clinical Biostatistics*.
- 2012 “Global acquisition sieve analysis in HIV vaccine efficacy trials.” *Vaccine and Infectious Disease Division (VIDD) Faculty Seminar*, Fred Hutchinson Cancer Research Center, Seattle, Washington.
- 2013 “Analysis of immune correlates of protection in the RV144 HIV vaccine efficacy trial.” *HIV Grand Rounds CME Series and CFAR Seminar*, University of Pennsylvania, Philadelphia, Pennsylvania.
- 2013 “Assessment of treatment efficacy in per-protocol and biomarker-response subgroups in randomized placebo-controlled trials.” *Atlantic Causal Inference Conference*, Cambridge, Massachusetts.

- 2013 Gilbert PB, Gabriel EE*, Huang Y, Chan I. "Assessment of immune correlates of protection via the vaccine efficacy curve: Application to the ZEST trial." *Joint Statistical Meetings*, Montreal, Quebec, Canada.
- 2013 Gilbert PB, Huang Y, Zhang L, Huang Y. "Meta-analysis of Ad5 vector HIV vaccine trials." *NIAID Mini-Summit on Adenovirus Platforms for HIV Vaccines*, Washington, DC.
- 2013 Gilbert PB, Grove D, Yu X, Kublin J, Gray G, Hammer SM, Corey L. "HVTN statistical approach to assessing vaccine efficacy and immune correlates of protection." *NIAID HIV/AIDS Clinical Trials Network Strategic Working Group and AIDS Research Advisory Committee*, Bethesda, Maryland.
- 2013 "Meta-analysis of Ad5 vector HIV vaccine trials." *AIDS Vaccine 2013*, Barcelona, Spain.
- 2013 Gilbert PB, Fong Y, Li S, Huang Y. "Analysis of IgA breadth/blocking in RV144 and design priorities for assessing immune correlates." *BMGF CAVD Annual Meeting*, Seattle, Washington.
- 2014 Gilbert PB, Huang Y, Janes HE, deCamp A*, Metch B. "HVTN immune correlates down-selection statistical framework." *NIAID HIV/AIDS Clinical Trials Network Strategic Working Group and AIDS Research Advisory Committee*, Bethesda, Maryland.
- 2014 "Overview of HVTN 505 marker studies." *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2014 "Immunobridging formula for predicting vaccine efficacy, accounting for baseline covariates, post-baseline biomarker surrogate endpoints, and geno/serotypes of circulating pathogens." *Joint Statistical Meetings*, Boston, Massachusetts.
- 2014 Gilbert PB, Juraska MJ*, Huang Y, deCamp A*. "Statistical issues in assessing treatment efficacy and correlates of protection in monoclonal antibody efficacy trials." *Passive Immunization Trials to Inform Vaccine Design*, Global HIV Vaccine Enterprise, New York, New York.
- 2014 Gilbert PB, Juraska MJ*, Huang Y, deCamp A*. "Statistical issues in assessing mAb treatment efficacy and correlates of protection in efficacy trials." *HIV Vaccine Trials Network Full Group Meeting*, Seattle, Washington.
- 2014 Gilbert PB, Huang Y. "What could be learned from new studies of correlates of enhanced susceptibility to HIV-1 infection in Step and Phambili?" *BMGF CAVD Annual Meeting*, Seattle, Washington.
- 2015 Gilbert PB, Huang Y. "Predicting overall vaccine efficacy in a new setting by re-calibrating effect modifiers of type-specific vaccine efficacy." *Causal Inference Working Group. Department of Biostatistics, University of North Carolina at Chapel Hill*. Chapel Hill, North Carolina.
- 2015 "The state of the HIV vaccine field from the perspective of the HIV Vaccine Trials Network (HVTN)." *UNC Institute for Global Health & Infectious Diseases, Friday Morning Conference. Department of Medicine, University of North Carolina at Chapel Hill*. Chapel Hill, North Carolina.
- 2015 Gilbert PB, Juraska MJ*, Benkeser D*, Bedford T. "Primary Sieve Analysis Results for the RTS,S Vaccine Efficacy Trial." *Bill and Melinda Gates Foundation Malaria Vaccine Initiative Meeting*. Seattle, Washington.
- 2015 "FACTS001 DSMB Case Study: Inefficacy Monitoring." *Clinical Trials Affinity Group (CTAG), Fred Hutchinson Cancer Research Center*. Seattle, Washington.
- 2015 "Summary of Immune Correlates of Protection in RV144." *HIV Vaccine Trials Network Full Group Meeting*. Cape Town, South Africa.
- 2015 "Relationship of different surrogate evaluation frameworks to the definition of a valid surrogate/replacement endpoint." *Joint Statistical Meeting*. Seattle, Washington.
- 2016 "Immune Correlates: The HIV Vaccine Experience." *Summit on Dengue Immune Correlates of Protection*. Les Pensieres, Annecy, France.
- 2016 "Parasite Genetic Diversity Affects RTS,S/AS01 Malaria Vaccine Efficacy in a Phase 3 Trial." *Harvard Malaria Forum*. Boston, Massachusetts.

- 2016 Gilbert PB, Juraska MJ*. Parasite Genetic Diversity Affects RTS,S/AS01 Malaria Vaccine Efficacy. *4th Annual Institute for Disease Modeling Symposium*, Bellevue, Washington.
- 2016 Gilbert PB, Yang G, Qi L, Sun Y. "Estimation of Mark-Specific Proportional Hazards Models for Competing Risks Outcomes under Two-Phase Covariate Sampling with Application to HIV Vaccine Efficacy Trials." *International Biometric Conference*. Victoria, Canada.
- 2016 Gilbert PB, Huang Y. "Predicting Overall Vaccine Efficacy in a New Setting by Re-Calibrating Baseline Covariate and Immune Response Endpoint Effect Modifiers of Genotype/Phenotype-Specific Vaccine Efficacy." Workshop on *Simulating Intervention Trials in Infectious Diseases*, Fred Hutch, Seattle, Washington.
- 2016 Gilbert PB, Edlefsen P. "Report from the Next-Generation Sequencing in Efficacy Trials Workshop. [Cape Town, October 10-12, 2016]." *HIV Vaccine Trials Network Full Group Meeting*. Seattle, Washington.
- 2016 "Approaches to assessing correlates of vaccine efficacy." *Eleventh Annual CAVD Meeting, Bill and Melinda Gates Foundation*. Seattle, Washington.
- 2016 Gilbert PB, Benkeser D*, Carone M. "Data-adaptive estimation of genotype-specific vaccine efficacy in HIV and Malaria Phase III trials." *10th ICSA International Conference*. Shanghai, China.
- 2017 Gilbert PB, Luedtke AR. "Statistical Learning of Correlates of Herpes Zoster Vaccine Efficacy from Efficacy Trials." Workshop on *Advances and Controversies in our Understanding of Herpes Zoster*. *The Royal Society of Medicine*. London, United Kingdom.
- 2017 Gilbert PB, Price BL*, Van der Laan MJ. "Estimation of the optimal surrogate based on a randomized trial." Harvard T.H. Chan School of Public Health Department of Biostatistics. Boston, Massachusetts.
- 2017 "Neutralizing antibody and viral genetic correlates of vaccine efficacy in two phase 3 trials of the CYD-TDV dengue vaccine." Harvard T.H. Chan School of Public Health Department of Immunology and Infectious Diseases. Boston, Massachusetts.
- 2017 "Neutralizing antibody correlates of risk and vaccine efficacy in two dengue Phase 3 trials." UNC-Sanofi-VaxDesign Meeting. Greensboro, North Carolina.
- 2017 "Estimation of the Optimal Surrogate Based on a Randomized Trial." Division of Biostatistics, University of California at Berkeley. Berkeley, California.
- 2017 "Phase IIb Test of Concept Studies for HIV." *International Society for Vaccines Congress*. Paris, France.
- 2017 "Correlates Analysis of CYD Phase 3 Trials based on Microneutralizing Antibody Titers (MNv2)." *Dengue Research Consortium*. Baltimore, Maryland.
- 2017 Gilbert PB, Moodie Z, Juraska MJ*, Huang Y, Zhuang Y*, Fong Y, Carpp LN, Self SG, Chambonneau L, Small R, Jackson N, Noriega F. "Correlates of Risk and Protection for CYD-TDV, the First Licensed Dengue Vaccine in Endemic Countries." *American Society of Tropical Medicine and Hygiene (ASTMH)*. Baltimore, Maryland.
- 2017 Gilbert PB, Price BL*, van der Laan MJ. "Estimation of the Optimal Surrogate Based on a Randomized Trial." *CMStatistics 2017*. London, United Kingdom.
- 2017 Gilbert PB, Price BL*, van der Laan MJ. "The Search for a Surrogate: Estimation of the Optimal Surrogate Based on a Randomized Trial." Janssen Biostatistics, Beerse, Belgium.
- 2017 "Statistical methods for establishing correlates of protection." *Initiative for Vaccine Research, World Health Organization Consultation on GBS candidate vaccines: The role of correlates of protection in the pathway to licensure and policy decision*. London, United Kingdom.
- 2018 "Statistical methods for assessing correlates of vaccine protection." Departmental Seminar, Statistics, SanofiPasteur. Lyon, France.
- 2018 "SDMC Perspective: Priorities and Challenges for 2018/2019." *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.

- 2018 “HVTN 704/HPTN 085 and HVTN 703/HPTN 081. AMP Trials: Planning for Correlates and Sieve Analyses.” *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2018 “Statistical Framework for Assessing Correlates of Vaccine Protection, with Application to Dengue Vaccine Efficacy Trials.” Max Planck Institute of Infection and Biology, Berlin, Germany.
- 2018 “Statistical Framework for Assessing Correlates of Vaccine Protection.” *5-Year Review Talk*, Fred Hutch, Seattle, Washington.
- 2018 Gilbert PB, Zhang L, Thommes E, Huang Y. “Assessing Pharmacokinetic Marker Correlates of HIV-1 Infection in the Antibody Mediated Prevention (AMP) Efficacy Trials.” *Joint Statistical Meeting*, Vancouver BC, Canada.
- 2018 Gilbert PB, Price BL*, van der Laan MJ. “The Search for an Optimal Immunological Surrogate Endpoint in Randomized Vaccine Efficacy Trials.” *Sanofi Pasteur Statistical Seminar*, Swiftwater, PA.
- 2018 “Ongoing Vaccine and Monoclonal Antibody Efficacy Trials in the HVTN and Considerations for Sequel Designs.” *HIV Prevention Efficacy Trial Designs of the Future*, Fred Hutch, Seattle, Washington.
- 2018 “Defining Sieving and Time of Acquisition in AMP: New Dimensions in Real Time Molecular Assays.” *HIV Vaccine Trials Network Investigators Meeting*, Seattle, Washington.
- 2018 “Dengue Vaccine Efficacy: Are there Immunological and Virus Markers of Differential Protection?” *UW Biostatistics Colloquium: Connecting Investigators and Senior Students*. University of Washington, Seattle, Washington.
- 2019 “Levels of neutralizing antibodies that provide protection in NHPs.” Year 7 Scripps CHAVI-ID All-Investigators Retreat, La Jolla, California.
- 2019 “Assessing Pharmacokinetic Marker Correlates of HIV-1 Infection in the Antibody Mediated Prevention (AMP) Efficacy Trials.” *Statistical Challenges and Opportunities in HIV/AIDS Research in the Era of Getting-to-Zero HIV Infections*. Philadelphia, Pennsylvania.
- 2019 “Superlearning/Targeted Learning: A Statistical Framework for Robustly and Efficiently Addressing Scientific Questions in HIV Vaccine Research.” *HIV Vaccine Trials Network Full Group Meeting*, Washington, DC.
- 2019 “Discerning a VRC01 neutralization correlate of prevention efficacy in the Antibody Mediated Prevention (AMP) efficacy trials.” *Fourteenth Annual Meeting of the Collaboration for AIDS Vaccine Discovery*, Bill and Melinda Gates Foundation, Seattle, Washington.
- 2019 “Assessing pharmacokinetic marker correlates of HIV-1 infection in the Antibody Mediated Prevention (AMP) efficacy trials.” *Clinical Trials Affinity Group (CTAG)*, Fred Hutchinson Cancer Research Center. Seattle, Washington.
- 2020 “Summary of Approaches for Assessing a VRC01 Neutralization Surrogate Endpoint in the AMP Trials.” *HIV Vaccine Trials Network Full Group Meeting*. Cape Town, South Africa.
- 2020 “Phenotypic and Amino Acid Sequence Sieve Analysis in the AMP Trials.” *HIV Vaccine Trials Network Full Group Meeting*. Cape Town, South Africa.
- 2020 “Designing Studies for Regulatory Parsimony: Lessons from HIV and SARS-CoV-2.” Next Generation of Assays, Tools, Technologies to Evaluate Immune Responses to Vaccines for Infectious Diseases. NIAID-sponsored remote workshop.
- 2020 Assessing Sequence Distance-Specific Correlates of Risk in Vaccine Efficacy Trials. ASA/Biopharmaceutical Regulatory-Industry Statistics Workshop (remote).
- 2020 “Planning for Assessment of Immune Correlates of Risk and Protection in COVID-19 Vaccine Efficacy Trials.” Vanderbilt Department Biostatistics Seminar (remote).

- 2020 “Assessing Immune Correlates of Risk and Protection in COVID-19 Vaccine Efficacy Trials.” World Health Organization ad hoc consultation Next steps for COVID-19 vaccine clinical evaluation (remote).
- 2020 “Assessing Immunological Biomarker Surrogate Endpoints in COVID-19 Vaccine Efficacy Trials.” Department of Biostatistics, Harvard School of Public Health (remote).
- 2020 “Statistical Approaches for Assessment of Immune Correlates of Protection.” *COVAX SWAT Workshop on COVID-19 Correlates of Protection* (remote).
- 2020 “AMP Study: Pursuit of a serum neutralization surrogate endpoint.” *BMGF CAVD Annual Meeting* (remote).
- 2020 “Early Immune Correlates of Risk Analysis to Guide Us.” *BMGF CAVD Annual Meeting* (remote).
- 2021 “Design of the AMP Study.” *HIV Research for Prevention (HIVR4P)*, Cape Town, South Africa (remote).
- 2021 “Assessing Immunological Biomarker Surrogate Endpoints in COVID-19 Vaccine Efficacy Trials.” Seminar, Division of Biostatistics, University of Pennsylvania (remote).
- 2021 “Experience with Designating CoPs and Statistical Approaches for the GBS Sero-Epi Studies.” Group B Streptococcus Correlate of Protection Methodology Workshop, Bill and Melinda Gates Foundation (remote).
- 2021 “Evaluating Vaccine Efficacy of a Candidate HIV-1 Vaccine vs. Counterfactual Placebo: Immune Marker Mediator Approach.” ID-PRISM Seminar, Fred Hutchinson Cancer Research Center, Seattle, WA (remote)
- 2021 “Assessing Immune Correlates of Protection in COVID-19 Vaccine Efficacy Trials.” *ENAR*, Session Scientific and Regulatory Aspects of Developing COVID-19 Vaccine During Pandemic (remote).
- 2021 “Defining the ID80 for the future in the AMP studies.” *HIV Vaccine Trials Network Full Group Meeting* (remote).
- 2021 “Correlates Analysis of Phase 3 Trials, Illustrated with a Mock Data Set Previewing Moderna COVE Trial Results.” COVID-19 Vaccines: World Health Organization Meeting on Correlates of Protection (remote).
- 2021 “Monoclonal Antibody Program: Insights from the AMP Trials.” NIAID HIV/AIDS Clinical Trials Networks Strategic Working Group, June, 2021 (remote).
- 2021 “Monoclonal Antibody Program: Follow-up Phase 3 Efficacy Trial.” NIAID HIV/AIDS Clinical Trials Networks Strategic Working Group, June, 2021 (remote).
- 2021 “Pursuit of COVID Vaccine Approval Based on an Immune Marker Surrogate Endpoint.” American Statistical Association Statistics in Epidemiology Section Webinar Series, June, 2021 (remote).
- 2021 “Planning for Correlates for Phase 3 Studies: Lessons from COVID.” Joint with Larry Corey. Keystone Meeting on Innovative Vaccine Approaches, June, 2021 (remote).
- 2021 “Immune Correlates Analysis of the mRNA-1273 Vaccine Efficacy Trial.” Vaccine Infectious Diseases (VIDD) Seminar, Fred Hutchinson Cancer Research Center, August, 2021 (remote).
- 2021 “Immune Correlates Analysis of the mRNA-1273 Vaccine Efficacy Trial.” World Health Organization Global Consultation on Correlates of Protection, September, 2021 (remote).
- 2021 “Initiatives to Analyze and Synthesize Available Data.” World Health Organization Global Consultation on Correlates of Protection, September, 2021 (remote).
- 2021 **Gilbert PB**, Heng F, Hyun S, Sun Y. “Sieve Analysis in COVID-19 Vaccine Efficacy Trials, by Cox Modeling.” *ICSA International Conference*, September, 2021 (remote).
- 2021 “Immune Correlates Analysis of the mRNA-1273 Vaccine Efficacy Trial.” ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop (COVID-19 Vaccine Development Session), September, 2021 (remote).

- 2021 “COVID-19 Vaccine Efficacy Trials and “Immune Correlates of Protection” in the Moderna COVE Trial. Keynote Speaker 2021 Georgia Statistics Day, October, 2021, Emory University, Atlanta, GA.
- 2021 “Forthcoming Correlates of Protection Analyses for COVID-19 Vaccines.” HIV Vaccine Trials Network Full Group Meeting, October, 2021 (remote).
- 2021 “Immune Correlates Analysis of the mRNA-1273 Vaccine Efficacy Trial.” Global COVID Lab Meeting Webinar, Human Vaccines Project, October, 2021 (remote).
- 2021 “Immune Correlates Analyses of COVID-19 Vaccine Efficacy.” Vaccine Immunology Statistical Center Scientific Advisory Board, October, 2021 (remote).
- 2021 “Statistical Evaluation of Immune Correlates of Protection in the Moderna COVE COVID-19 Vaccine Efficacy Trial.” 2021 Program in Quantitative Genomics (PQG) Conference, Harvard School of Public Health, October, 2021 (remote).
- 2022 “AMP Trial Insights on bnAb Titers Needed to Protect Humans.” Scripps 3rd Annual CHAVD All-Investigators Retreat, February, 2022 (remote)
- 2022 “Analysis of Correlates of Vaccine Efficacy.” Conference on Retroviruses and Opportunistic Infections (CROI) Clinical Trial Design and Analysis Workshop, February, 2022 (remote)
- 2022 “Immune correlates of protection (CoP) in the Moderna COVE study and CoP for variants,” Webinar, COVID-19 Evidence Accelerator, Reagan-Udall Foundation for the FDA, May, 2022
- 2022 “Update on Learnings about Immune Correlates of Protection from COVID-19 Vaccine Efficacy Trials: Pursuit Through Multiple Causal Inference Approaches”, Keynote Panel Session: Statisticians Rise to the Occasion to Meet Pandemic: Perspectives on COVID-19 Vaccine Development. 35th New England Statistics Symposium (NESS), May, 2022 (remote)
- 2022 “Correlates of protection from the first 4 phase 3 vaccine trials + planning for durability/variants/booster correlates”, CoVPN All Site/Investigator Meeting, June, 2022 (remote)
- 2022 “Interventional and Principal Stratification Causal Effects for Evaluation and Use of Surrogate Endpoints, with Application to Vaccine Trials”, Statistical Challenges in the Identification, Validation, & Use of Surrogate Markers Banff International Research Station, August, 2022 (remote)

11. EDITORIAL RESPONSIBILITIES

- 2006-2007 Associate Editor, Annals of Applied Statistics
- 2018-2021 Associate Editor, Biometrics
- 1998- Referee for many biostatistical and biomedical journals

12. SPECIAL NATIONAL RESPONSIBILITIES

- 2004-2008 Member, NIH AIDS Clinical Studies and Epidemiology Study Section: AIDS and Related Research Integrated Review Group (ACE)
- 2004-2011 Member, Safety Monitoring Committee for a Phase II Extended Safety Study of Tenofovir, Centers of Disease Control and Prevention
- 2005-2010 Member, Safety and Efficacy Monitoring Committee for an AIEDRP/ACTG Phase II trial of Cyclosporine A, Trizivir, and Kaletra in subjects with primary HIV infection
- 2008-2010 Alternate Member of the Institute of Medicine’s Study on Intermittent Preventive Therapy for Malaria in Infants (IPTi)
- 2008-2010 Member, Data and Safety Monitoring Board for an Adenovirus Serotype Vector Influenza Vaccine Phase 1 Trial
- 2008-2012 Member of the Vaccines and Related Biological Products Advisory

- 2011 Committee to the Food and Drug Administration
Member, U.S. Military HIV Research Program Product Development Advisory Group
- 2011-2014 Chair, Data and Safety Monitoring Board for the FACTS 001 Phase 3 randomized trial of a microbicide gel (Truvada) to prevent HIV infection in South Africa
- 2014-2015 Member, National Cancer Institute HPV Vaccine Working Group for the Costa Rica HPV-16/18 Vaccine Trial and Long-term Follow-up
- 2013-present Ad-hoc Member of Particular Meetings of the Vaccines and Related Biological Products Advisory Committee to the Food and Drug Administration
- 2015 Member, External Advisory Board, University of Vermont Rotavirus Vaccine Correlates of Protection
- 2017 Expert, Dengue NS1 Expert Meeting, Sanofi-Pasteur, New York
- 2017 Expert, Dengue NS1 Expert Meeting, Sanofi-Pasteur, Baltimore
- 2018 Co-Organizer, Invited Session at the Joint Statistical Meetings on “Advances and Applications of Joint Modeling for Longitudinal and Time-to-Event Data”
- 2018 Member, Disease Modification Statistical Advisory Board, Biogen, Cambridge
- 2019 Member, Pertussis Vaccine Advisory Board, Sanofi, Lyon, France
- 2021 Co-Chair, Group B Streptococcus Correlate of Protection Methodology Workshop, Bill and Melinda Gates Foundation (remote)
- 2021 NIH/NIAID grant review panel for COVID-19 Clinical Trials applications (U01).
- 2021 Member, Pertussis Vaccine Virtual Advisory Board, Sanofi Pasteur
- 2021 Member, RSVeC Vaccine Virtual Advisory Board, Sanofi Pasteur
- 2022 NIH grant review panel for Research on Pathobiological Mechanisms Underpinning the Clinical Phenotypes, Symptomatic Manifestations, and Multi-tissue/organ Pathology of Post-Acute Sequelae of SARS-CoV-2 Infection
- 2022 Member, Expert Taskforce for development of The Coronavirus R&D Roadmap. Center for Infectious Disease Research and Policy, University of Minnesota.

CONFERENCES AND SYMPOSIUMS:

- February 1999 Mayers D, **Gilbert PB**, Merigan T for the ACTG244/RV79 Study Team. T215Y/F mutation associated with zidovudine resistance leads to poor response to ZDV+ddI or ZDV+ddI+NVP: ACTG244/RV79. In: *Program and abstracts of the Sixth Conference on Retroviruses and Opportunistic Infections*, Abstract 129 Chicago, Illinois
- February 2000 Havlir D, **Gilbert PB**, Bennett K, Collier A, Hirsch M, Tebas P, Adams E, Holohan MK, Richman D and the ACTG 5025 Study Team. Randomized trial of continued Indinavir (IDV)/ZDV/3TC versus switch to IDV/ddI/d4T or IDV/ddI/d4T+hydroxyurea in patients with viral suppression. In: *Program and abstracts of the Seventh Conference on Retroviruses and Opportunistic Infections*, San Francisco, California.
- June 2000 Havlir D, Levitan D, Bassett R, **Gilbert PB**, Richman D, Wong J. Prevalence and predictive value of intermittent viremia in patients with viral suppression. In: *Program and abstracts of the Fourth International Workshop on HIV-1 Drug Resistance and Treatment Strategies*, Stiges, Spain.

- July 2002 Novitsky V, Rybak N, **Gilbert PB**, Gaolekwe S, Peter T, McLane MF, Thior I, Lee TH, Ndung'u T, Marlink R, Essex M. Magnitude and frequency of CTL responses to HIV-1 subtype C. In: *Program and abstracts of the Fourteenth International AIDS Conference*, Barcelona, Spain.
- July 2002 Renjifo B, **Gilbert PB**, Chaplin B, Msamanga G, Mwakagile, Fawzi W, Essex M, and the Tanzania Vitamin and HIV Study Group. Preferential in-utero transmission of HIV-1 subtype C compared to subtype A or D. In: *Program and abstracts of the Fourteenth International AIDS Conference*, Barcelona, Spain.
- February 2003 **Gilbert PB**, De Gruttola V, Hudgens M, Self SG, Hammer S, Corey L. What constitutes effectiveness for an HIV vaccine that ameliorates viremia: Issues involving surrogate endpoints in efficacy trials. In: *Abstracts of the 10th Conference on Retroviruses and Opportunistic Infections*, Abstract 84, Boston, Massachusetts.
- September 2003 Popovic V, Gurwith M, Francis D, Heyward W, Berman P, **Gilbert PB**. Evaluation of vaccine efficacy in populations with high risk behavior and high HIV incidence - results from the world's first phase III trial of HIV vaccine. In: *Program and abstracts of AIDS Vaccine 2003*, New York, New York ().
- September 2003 Popovic V, Gurwith M, Francis D, Harro C, Mayer KH, Heyward W, Berman P, **Gilbert PB**. Differential efficacy in prevention of HIV infection by rgp120 HIV-1 vaccine by gender and race – is it real? In: *Program and abstracts of AIDS Vaccine 2003*, New York, New York.
- September 2003 Djomand G, **Gilbert PB**, Chiu Y-L, Malone S, Sullivan P, Russell N, Hammer S, Celum C, Wasserheit J. Incidence of HIV-1 breakthrough infection among participants enrolled in HIV vaccine trials from 1988 to 2002. In: *Program and abstracts of AIDS Vaccine 2003*, New York, New York.
- July 2003 Djomand G, **Gilbert PB**, Chiu Y-L, Malone S, Sullivan P, Russell N, Hammer S, Celum C. Incidence of HIV-1 breakthrough infection among participants enrolled in HIV vaccine trials from 1988 to 2002. In: *Program and abstracts of the Second International AIDS Society Conference on HIV Pathogenesis and Treatment*, Paris, France.
- February 2004 Follmann D, **Gilbert PB**, Self SG, Hudgens M, Gurwith M, Popovic V, Ackers M, Hu D, Flores J. An independent analysis of the effect of race in VAX004. In: *Program and abstracts of the Eleventh Conference on Retroviruses and Opportunistic Infections*, Abstract 106, San Francisco, California).
- February 2005 Shapiro R, Thior I, **Gilbert PB**, Lockman S, Wester C, Smeaton L, Stevens L, Ndung'u T, Novitsky V, van Widenfelt E, Mazonde P, Lee TH, Marlink R, Lagakos S, Essex M, and the Mashi Study Group. Maternal single-dose Nevirapine may not be needed to reduce mother-to-child transmission in the setting of maternal and infant Zidovudine and infant single-dose Nevirapine: Results of a randomized clinical trial in Botswana. In: *Program and abstracts of the Twelfth Conference on Retroviruses and Opportunistic Infections*, Abstract 74LB, Boston, Massachusetts.
- February 2005 Thior I, Lockman S, Smeaton L, Shapiro R, Wester C, Heymann J, **Gilbert PB**, Stevens L, Peter T, Kim S, Makhema J, McIntosh K, Marlink R, Lagakos S, Essex M, and the Mashi Study Team. Breast-feeding with 6 months of infant Zidovudine prophylaxis vs. formula-feeding for reducing post-natal HIV transmission and infant mortality: A randomized trial in Southern Africa. In: *Program and abstracts of the Twelfth Conference on Retroviruses and Opportunistic Infections*, Boston, Massachusetts.
- September 2005 Frey SE, Peiperl L, Baden L, McElrath J, Wright P, Goepfert P, Keefer M, Blattner W, Harro C, Hammer S, Baglyos L, Guillet J-G, **Gilbert PB**, Deers M, Elizaga M, Corey L, and the HIV Vaccine Trials Network. Safety of ANRS LIPO-5 alone, Sanofi-Pasteur ALVAC-HIV (vCP1452) alone, and ALVAC HIV prime/LIPO-5 boost in

- healthy, HIV-1 uninfected adult participants. In: *Program and abstracts of AIDS Vaccine 2005*, Montreal, Quebec, Canada.
- September 2006 Frey SE, Peiperl L, Baden L, McElrath MJ, Wright P, Goepfert P, Keefer M, Blattner W, Harro C, Hammer S, Hural J, Tomaras G, Baglyos L, Guillet J-G, **Gilbert PB**, Deers M, Elizaga M, Russell N, Corey L, and the HIV Vaccine Trials Network. Immunogenicity of ANRS LIPO-5 alone, Sanofi-Pasteur ALVAC-HIV (vCP1452) alone, and ALVAC HIV prime/LIPO-5 boost in healthy, HIV-1 uninfected adult participants. In: *Program and Abstracts of AIDS Vaccine 2006*, Amsterdam, the Netherlands.
- September 2006 Burke D, Karim SSA, Russel N, Wecker M, Allen M, Ferarri G, **Gilbert PB**, Chulay J. (2006). Safety and immunogenicity of an alphavirus replicon HIV Gag vaccine (AVX101) in healthy HIV-uninfected adults. In: *Program and Abstracts of AIDS Vaccine 2006*, Amsterdam, the Netherlands.
- February 2006 Forthal D, Landucci G, Phan T, Higa-Tanner R, **Gilbert PB**. Fcγ receptor IIa and IIIa polymorphisms are associated with risk of HIV infection. In: *Program and abstracts of the Thirteenth Conference on Retroviruses and Opportunistic Infections*, Denver, Colorado.
- September 2007 Mehrotra D, **Gilbert PB**, Li X, Heyse J, Buchbinder S, Self SG, Robertson M. (2007). A prototype test-of-concept efficacy trial design for cell mediated immunity-based vaccines. In: *Program and Abstracts of AIDS Vaccine 2007*, Seattle, Washington.
- September 2007 Jones N, **Gilbert PB**, deCamp A*, Peterson M, Gurwith M, Cao H. AIDSVAX immunization induces HIV-specific CD8+T cell responses in high-risk HIV negative volunteers who subsequently acquire HIV infection. In: *Program and Abstracts of AIDS Vaccine 2007*, Seattle, Washington.
- September 2011 Rerks-Ngarm S, Paris RM, Chunsutthiwat S, Prensri N, Namwat C, Bownwatanuwong J, Li S, Kaewkungkal J, Trichavaroj R, de Souza M, Francis D, Adams E, Gurunathan S, Tartaglia J, O'Connell R, Eamsila C, Nitayaphan S, Ngauy V, Thongcharoen P, Kunasol P, Michael N, Robb M, **Gilbert PB**, Kim J. Extended evaluation of volunteers who become HIV-1 infected during participation in a phase III vaccine trial of ALVAC-HIV and AIDSVAX® B/E. In: *AIDS Vaccine 2011*, Patumwan, Bangkok, Thailand.
- September 2011 Billings EA, Karasavvas N, de Souza MS, Currier J, Pitisuttithum P, Kaewkunwal J, Nitayaphan S, **Gilbert PB**, Tomaras GD, Zolla-Pazner SB, Haynes BF, Michael NL, Rerks-Ngarm S, Kim JH, Rao M. Surface plasmon resonance analysis of anti-gp120 V2-specific IgG antibodies generated in the RV144 Thai trial. In: *AIDS Vaccine 2011*, Patumwan, Bangkok, Thailand.
- September 2011 Iyer S, Bouzek H, Kim HM, Larsen B, Casey E, Rolland M, Edlefsen P, Hertz T, Magaret C, Frahm N, Westfall D, Wong K, Zhao H, Sanders-Buell E, Tovanabutra S, Stoddard JN, Nariya S, Konopa P, Maust BS, Deng W, A. Bates A, Bradfield A, Bose M, O'Sullivan A, Hural J, Casimiro DR, Robertson MN, Michael N, McElrath MJ, Corey L, Buchbinder S, **Gilbert PB**, Kim J, Mullins JI. A deeper look at the virus populations infecting Step trial volunteers. In: *AIDS Vaccine 2011*, Patumwan, Bangkok, Thailand.
- September 2011 Edlefsen P, Hertz T, Magaret C, deCamp A*, **Gilbert PB**. Sieve analysis of RV144. In: *AIDS Vaccine 2011*, Patumwan, Bangkok, Thailand.
- March 2012 Liao H-X, Bonsignori M, Alam SM, Tomaras GD, Moody MA, Tsao C-Y, Hwang K-K, Rolland M, Mullins J, Edlefsen P, **Gilbert PB**, Lu X-Z, Parks R, Montefiori D, Ferrari G, Rao M, Karasavvas N, McLellan J, Yang Z-Y, Dai K, Pancera M, Rerks-Ngarm S, Nitayaphan S, Kaewkungwal J, Tovanabutra S, Pitisuttithum P, Tartaglia J, Sinangil F, Kim J, Michael NL, Nabel G, Mascola J, Kwong P, Pinter A, Zolla-Pazner S., Haynes BF. HIV-1 envelope antibodies induced by ALVAC-AIDSVAX B/E

- vaccine target a site of vaccine immune pressure within the C β strand of gp120 V1V2. In: *Keystone Symposium HIV Vaccines 2012*, Keystone, Colorado.
- April 2012 Rolland M, Edlefsen P, Tovanabutra S, Larsen B, Sanders-Buell E, Mullins JI, Michael NL, Kim JH, **Gilbert PB**. Sieve analysis of HIV-1 breakthrough infections in the RV144 trial. In: *19th International Conference on HIV Dynamics and Evolution*, Asheville, North Carolina.
- September 2012 Frahm N, Tomaras G, Montefiori D, **Gilbert PB**, Corey L, McElrath MJ. Comparative immunogenicity of HIV vaccine candidates in the HVTN. In: *AIDS Vaccine 2012*, Boston, Massachusetts.
- September 2012 Williams WB, Jones K, Krambrink A, Grove D, Liu P, Yates NL, Moody MA, Ferrari G, Pollara J, Moodie Z, Morgan CA, Liao H, Montefiori DC, Ochsenbauer C, Kappes J, Hammer S, Mascola J, Koup R, Corey L, Nabel G, **Gilbert PB**, Churchyard G, Keefer M, Graham BS, Haynes BF, Tomaras GD. Multiple antibody specificities, including gp41, V1V2, and V3 elicited in the phase II multiclade (A,B,C) HIV-1 DNA prime, multiclade (A,B,C) rAd5 boost vaccine trial. In: *AIDS Vaccine 2012*, Boston, Massachusetts.
- October 2013 Williams WB, Jones K, Liu P, Trama AM, Moody MA, Seaton K, Vandergrift N, Wiehe K, Liao H, Montefiori DC, Ochsenbauer C, Kappes J, Hammer S, Mascola J, Koup R, Corey L, Nabel G, **Gilbert PB**, Morgan C, Churchyard G, Keefer M, Graham BS, Tomaras GD, Haynes BF. The Antibody Repertoire Induced by the Multiclade (A, B, C) HIV-1 DNA Prime, Multiclade (A, B, C) rAd5 boost VRC vaccine. In: *AIDS Vaccine 2013*, Barcelona, Spain.
- March 2014 Zolla-Pazner S, Williams C, Rolland M, Edlefsen P, **Gilbert PB**, XP Kong XP, Mullins J, Tovanabutra S, Rerks-Ngarm S, Nitayaphan S, Pitisuttithum P, Kaewkungwal J, Robb M, Michael N, Kim J. IgG V3-specific antibody (Ab) reactivity in plasma from RV144: Implications for vaccine efficacy. In: *Keystone Symposia: HIV Vaccines: Adaptive Immunity and Beyond (X3)*, Banff, Alberta, Canada.
- October 2014 Edlefsen PT, Rolland M, Hertz T, Tovanabutra S, Gartland AJ, deCamp A*, Magaret CA, Ahmed H, Gottardo R, Juraska MJ*, McCoy C, Larsen BB, Sanders-Buell E, Carrico C, Menis S, Bose M, RV144 Sequencing Team, Arroyo MA, O'Connell RJ, deSouza MS, Nitayaphan S, Pitisuttithum P, Kaewkungwal J, Rerks-Ngarm S, Robb ML, McLellan JS, Georgiev IS, Kirys T, Kwong PD, Carlson JM, Michael NL, Schief WR, Mullins JI, Kim JH, **Gilbert PB**. Comprehensive sieve analysis of breakthrough HIV-1 sequences in the RV144 vaccine efficacy trial. In: *HIV Research for Prevention 2014*, Cape Town, South Africa.
- October 2014 Liao H-X, Trama AM, Williams WB, Moody MA, Vandergrift N, Tomaras GD, Marshall DJ, Gurley T, Whitesides J, Eudailey J, Foulger A, Parks R, Stolarchuk, Lloyd KE, Soderberg K, Mascola JR, Koup R, Corey L, Nabel GB, **Gilbert PB**, Morgan C, Maenza J, Keefer M, Hammer S, Churchyard G, Montefiori DC, Graham BS, Baden LR, Kepler TB, Haynes BF. Role of intestinal microbiota in shaping the B cell repertoire in HIV infection and Env vaccination. In: *HIV Transmission Workshop 2014*, Cape Town, South Africa.
- October 2014 Prentice H, Geraghty DE, Tomaras GD, Fong Y, Nelson W, Kijak GH, Zolla-Pazner S, Nitayaphan S, Rerks-Ngarm S, Kaewkungwal J, Pitisuttithum P, Haynes BF, Michael NL, **Gilbert PB**, Kim JH, Thomas R. Immune correlates identified in the RV144 vaccine efficacy trial impact HIV-1 acquisition only in the presence of certain HLA class II genes. In: *HIV Research for Prevention 2014*, Cape Town, South Africa.
- October 2014 Sachdev D, Ahmed H, Huang Y, Buchbinder S, Morgan C, Frahm N, **Gilbert PB**, Rerks-Ngarm S, Kaewsungwal J, Nitayaphan S, Pitisuttithum P, Michael NL, Kim JH, Robb ML, O'Connell RJ. Sex differences in immune variables in the RV144 trial. In: *HIV Research for Prevention 2014*, Cape Town, South Africa.

- November 2014 Seaton KE, Deal A, Yu X, Huang Y, Ashley V, Ferrari G, Lewis G, Liu P, Zirui-Tay M, Shen X, Duffy R, Montefiori DC, Hay C, Grunenberg N, Goepfert P, Sato A, Elizaga M, **Gilbert PB**, Moss B, Frahm N, Buchbinder SP, McElrath MJ, Robinson H, Tomaras GD. Durable Env-specific IgG antibody responses elicited in a Clade B DNA/MVA prime boost vaccine regimen (HVTN 205 and HVTN 094) with a 4-month rest period. *Duke Center for HIV/AIDS Vaccine Immunology and Immunogen Discovery Annual Meeting*, Durham, North Carolina.
- February 2015 Janes H, Tovanabutra S, Herbeck JT, Rerks-Ngarm S, Robb ML, Michael NL, **Gilbert PB**, Kim JH, Rolland M and the Step/HVTN502 and RV144 study teams. HIV-1 infections with multiple founders are associated with higher viral loads. *Conference on Retroviruses and Opportunistic Infections (CROI)*, Seattle, Washington.
- February 2015 Rolland M**, DeCamp A***, Hall BM, Tovanabutra S, McElrath J, Hammer SM, Sobieszczyk ME, **Gilbert PB**, Kim JH, Mullins JI and the HVTN505 sieve analysis team. HVTN505 breakthrough sequences showed HIV vaccine-associated differences in Env-gp120. *Conference on Retroviruses and Opportunistic Infections (CROI)*, Seattle, Washington. **Contributed equally.
- February 2015 Williams WB, Liao HX, Moody MA, Kepler TB, Wiehe K, Jones KL, Marshall DJ, Whitesides JF, Pollara J, Liu P, Trama AM, Seaton K, Shen X, Foulger A, Stolarchuk C, Lloyd KE, Parks R, Vandergrift N, **Gilbert PB**, Grove D, Ferrari G, Montefiori DC, Sobieszczyk ME, Hammer S, Mascola JR, Koup R, McElrath MJ, Corey L, Nabel GB, Grunenberg N, Morgan C, Churchyard G, Maenza J, Keefer M, Graham BS, Baden LR, Tomaras GD, Haynes BF. HIV Vaccine Induced Non-Neutralizing Antibodies Originating From Pre-Vaccination Env Cross-Reactive B Cells. *Keystone HIV-1 Vaccines Conference*, Banff, Alberta, Canada.
- July 2016 Bekker LG, Laher F, Moodie Z, Tomaras G, Grunenberg N, Allen M, Daniels B, Innes C, Mngadi K, Malahleha M, **Gilbert PB**, Michael N, Phogat S, Diaz Granados C, Kanasa-Thanan N, Corey L, Gray G, McElrath MJ, The HVTN 100 Study Team. Meeting the “Go” Criteria: Immunogenicity from HVTN100, a phase 1/2 randomized, double blind, placebo-controlled trial of clade C ALVAC-® (vCP2438) and Bivalent Subtype C gp120/MF59® in HIV-uninfected South African adults. Late-Breaker, Oral Presentation, AIDS 2016, Durban, South Africa.
- April 2016 Dimitrov D, **Gilbert PB**. Projected effectiveness of mass HIV vaccination with multi-dose regimens to be tested in South Africa. *4th Annual Institute for Disease Modeling Symposium*, Bellevue, WA.
- October 2016 Buchbinder S, Grunenberg N, Sanchez B, Seaton K, Ferrari G, Moody MA, Frahm N, Montefiori D, Goepfert P, Baden L, Hay C, Yu X, **Gilbert PB**, McElrath MJ, Huang Y, Robinson H, Tomaras GD, HVTN 094 Study Group. DNA/MVA HIV vaccine producing virus-like particles (VLPs) is well-tolerated and induces durable functional antibodies (Abs) in HVTN 094. *HIV Research for Prevention (HIVR4P)*, Chicago, Illinois.
- October 2016 Tomaras GD, Ferrari G, Moodie Z, Montefiori D, Yates NL, Ashley VA, Deal A, Seaton KE, Lin Y, Goodman D, Tay M, Shen X, Frahm N, Grunenberg N, Sarzotti-Kelsoe M, Pinter A, Saunders KO, Peacock J, Korber B, Haynes BF, Michael N, Rerks-Ngarm S, Pitisuttithum P, Nitayapan S, Kaewkungwal J, Phogat S, Granados CD, Kanasa-Thanan N, Gray G, Laher F, Bekker LG, Corey L, **Gilbert PB**, McElrath J. Comparative Humoral Immunogenicity of HVTN 100 and RV144 in HIV-uninfected South Africans. To be presented at the Duke Center for HIV/AIDS Vaccine Immunology and Immunogen Discovery (CHAVID-ID) meeting, Durham, North Carolina.
- December 2017 Sun Y, Qi L, **Gilbert PB**. A hybrid method for the stratified mark-specific proportional hazards models with missing data with applications. *10th International*

- Conference of the ERCIM WG on Computational and Methodological Statistics*, London, United Kingdom.
- March 2018 Adamson B, Montigny S, Mâsse B, Garrison, L, Kublin J, **Gilbert PB**, Dimitrov D. Policy Analysis of HIV Vaccine Delivery Design in South Africa. *Conference on Retroviruses and Opportunistic Infections (CROI)*, Boston, Massachusetts.
- October 2018 Moodie Z, Innes C, Hosseinipour M, Naidoo S, Bekker L.-G., Laher F, Grunenberg N, Mann P, Yu C, McElrath MJ, Tomaras G, Yates N, Morris L, Mkhize N, Montefiori DC, Allen M, Kublin J, Gray G, **Gilbert PB**, Corey L, and the HVTN 100 and HVTN 111 trial teams. DNA-prime Induces Higher Magnitude Humoral Responses than ALVAC-prime in HIV Vaccine Regimens with the Same Protein Boost. *HIV Research for Prevention (HIVR4P)*, Madrid, Spain.
- October 2018 Huang Y, Pegu A, Huang Y, Pauthner M, Larry Corey, **Gilbert PB**, Burton D, Mascola JA. Meta-analysis to evaluate the relationship between serum antibody neutralizing titer and protection against SHIV challenge in nonhuman primates. *HIV Research for Prevention (HIVR4P)*, Madrid, Spain.
- May 2020 Labuschagne P, Rossen Khan R, Rudnicki E, Espy N, Juraska M*, Zhang Y, Li K, DeCamp A, Huang Y, Hural J, **Gilbert PB**, Edlefsen P. Accuracy of HIV-1 infection time estimates using diagnostic test histories in prevention studies with frequent follow-up. *27th International Dynamics and Evolution of HIV and Other Human Viruses*. Lake Arrowhead, California.
- May 2020 Williamson BD, Benkeser DC*, Margaret CA, Carpp LN, Borate B, **Gilbert PB**. Guiding HIV-1 antibody regimen down-selection and prevention efficacy trial design using machine learning. *27th International Dynamics and Evolution of HIV and Other Human Viruses*. Lake Arrowhead, California.
- January 2021 Williamson C, ..., **Gilbert PB**, Mullins JI. Analysis of genetic diversity and VRC01 pressure on HIV-1 breakthrough viruses from the AMP trial (HVTN 703/HPTN 081 and HVTN 704/085). *4th IAS HIV Research for Prevention Conference (HIV R4P Virtual)*
- February 2022 Mbadu AZ, Cohen P, Lambson B, Margaret CA, **Gilbert PB**, Williamson C, Morris L, Moore PL, Mufhandu HT. Identification of viral mutations that confer cross resistance to VRC01 antibody in HIV-1 subtype C viruses. *AIDS 2022*.
- March 2022 Huang Y, Karuna S, Zhang L, deCamp A, Montefiori D, Morris L, Rudnicki E, Juraska M, Mkhize NN, Seaton K, Tomaras G, Andrew P, Kublin J, Barouch D, Cohen M, Mascola J, **Gilbert PB**, Corey L. Predicting HIV Prevention Efficacy of a Broadly Neutralizing Antibody (bnAb) Combination in Follow-up to the Antibody Mediated Prevention (AMP) Trials. *Keystone Symposia Next Generation Vaccines and Therapies*.
- July 2022 Kenny A, Luedtke A, Hyrien O, Fong Y, Burnham R, Heptinstall J, Sawant S, Stanfield-Oakley S, Laher Omar F, Khuzwayo S, Dintwe O, Borducchi E, Pattacini L, Willems W, Lavreys L, van Duijn J, Stieh DJ, Tomaka F, Pau MG, Gray GE, Buchbinder S, Mngadi K, McElrath MJ, Corey L, Barouch DH, De Rosa SC, Ferrari G, Andersen-Nissen E, Tomaras G, **Gilbert PB**. Immune Correlates Analysis of the Imbokodo HIV-1 Vaccine Efficacy Trial. *24th International AIDS Conference (Virtual, Montreal, Canada)*
- September 2022 **Gilbert PB**. Immune Correlates Results for the Uhambo and Imbokodo HIV Vaccine Efficacy Trials. *2022 International Society of Vaccines (ISV) Annual Congress (Virtual, Quebec City, Canada)*

MEETING POSTERS

- 1998 **Gilbert PB.** Methods for comparing genotypic resistance across antiretroviral trial treatment regimens from sequence data in virologic failures only. In: *AIDS Clinical Trials Group Meeting*, Washington, D.C.
- 1998 **Gilbert PB.** Assessing genotypic resistance in antiretroviral trials using sequence data only from virologic failures. In: *Fifth Annual HIV-1 Dynamics and Evolution Meeting*, Santa Fe, New Mexico.
- 2001 Novitsky V, Rybak N, McLane MF, **Gilbert PB**, Chigwedere P, Klein I, Gaolekwe S, Chang SY, Peter T, Thior I, N'dungu T, Vannberg F, Foley BT, Marlink R, Lee TH, Essex M. Predominant HIV-1C-specific CTL responses. In: *Program and abstracts of AIDS Vaccine 2001*, Philadelphia, Pennsylvania.
- 2001 Rossini AJ, Self SG, Hudgens M, **Gilbert PB.** Rational approach for HVTN Phase I/II HIV-1 vaccine trials. In: *Program and abstracts of AIDS Vaccine 2001*, Philadelphia, Pennsylvania.
- 2002 Chung M, Renjifo B, **Gilbert PB**, Msamanga G, Mwakagile, Fawzi W, Essex M. In-utero transmission of quasi-species among HIV-1 subtypes. In: *Program and abstracts of the Fourteenth International AIDS Conference*, Barcelona, Spain.
- 2002 **Gilbert PB**, Self SG, DeGruttola V, Hudgens M, Hammer S. Interpreting observed vaccine effects on post infection surrogate endpoints in preventive HIV vaccine efficacy trials. In: *Program and abstracts of the Fourteenth International AIDS Conference*, Barcelona, Spain.
- 2003 Novitsky V, **Gilbert PB**, Peter T, Lee TH, Essex M. Viral load, viral diversity, and T-cell immune responses in HIV-1C infection: Implications for vaccine design. In: *Abstracts of the 10th Conference on Retroviruses and Opportunistic Infections*, Abstract 458, Boston, Massachusetts.
- 2004 Novitsky V, **Gilbert PB**, Ndung'u T, Peter T, Thior I, Lee TH, Essex M. Virus-host interactions in HIV-1C infection. In: *Program and abstracts of The Fourteenth International AIDS Conference*, Bangkok, Thailand.
- 2004 Malone S, Djomand G, Critchlow C, **Gilbert PB**, Chiu Y-L. Risk of HIV infection among HIV vaccine and placebo control recipients enrolled in NIAID-funded network HIV vaccine trials in the United States, 1988-2002. In: *Program and abstracts of The Fourteenth International AIDS Conference*, Bangkok, Thailand.
- 2004 **Gilbert PB**, Cai T, Self SG, Gurwith M. Joint assessment of HIV vaccine effects on preventing infection and delaying disease in the Phase III trial of AIDSVAX B/B. In: *Program and abstracts of the Eleventh Conference on Retroviruses and Opportunistic Infections*, Abstract 283, San Francisco, California.
- 2004 Shepherd BE*, **Gilbert PB**, Gurwith M, Francis D. Assessment of HIV vaccine effects on viral load in the Phase III trial of AIDSVAX B/B. In: *Program and abstracts of the Eleventh Conference on Retroviruses and Opportunistic Infections*, Abstract 284, San Francisco, California.
- 2008 Hudgens M, **Gilbert PB**, Wu Chih-da, Barouch D, Mascola J, Self SG. Power to detect vaccine effects in repeated low-dose challenge experiments. In: *Program and Abstracts of AIDS Vaccine 2008*, Poster #P03-02, Cape Town, South Africa.
- 2011 Kunwar P, He D, Hawkins NR, Liu Y, Collier A, Hertz T, **Gilbert PB**, Horton H. Analysis of epitope-specific HIV T cell responses during early HIV-1 infection and their association with viral control. In: *Abstracts presented at AIDS Vaccine 2011*, Poster #P01.01, Patumwan, Bangkok, Thailand.
- 2011 Janes H, **Gilbert PB**, Frahm N, Rolland M, deCamp A*, Gabriel EE*, Wolfson J*, Mullins J, McElrath MJ. Integrated analysis of immunogenicity, viral sequence, and viral load data in the step study. In: *Abstracts presented at AIDS Vaccine 2011*, Poster #P01.08, Patumwan, Bangkok, Thailand.
- 2012 Kijak G, Li S, Paris R, Ngaury V, Michael N, Rerks-Ngarm S, **Gilbert PB**, Kim J. Modulation of vaccine effect by FcGamma receptor 3a genetic polymorphism in RV144. *Conference on Retroviruses and Opportunistic Infections (CROI)*, Seattle, Washington.

- 2012 *Conference on Retroviruses and Opportunistic Infections (CROI)*, Seattle, Washington ().
- 2012 Defawe O, DeRosa S, Frahm N, Carter D, Fong Y, Moodie Z, Michael N, Kim J, Rerks-
Ngarm S, **Gilbert PB**, McElrath MJ. Vaccine-induced cytokine production is associated
with lower risk of HIV infection among RV144 vaccine recipients. *Keystone Symposium on
HIV Vaccines 2012*, Keystone, Colorado.
- 2012 Rolland M, Maust B, Bonsignori M, deSouza M, Edlefsen P, **Gilbert PB**, Haynes B,
HwangK, KimJ, Larsen B, Liao H, Michael N, Mullins J, Nitayaphan S, Rerks-
Ngarm S, Robb M, Sanders-Buell E, Tovanabutra S, Hertz T, deCamp A*, Magaret C, Ahmed H,
Juraska MJ*, Chen L, Konopa P, Nariya S, Stoddard J, Wong K, Zhao H, Deng W, Bose
M, Howell S, Lazzaro M, O'Sullivan A, Lei E, Bradfield A, Ibitanumo G, Pham D, Carlson
J, Assawadarachai V, Heckerman D, Bates A. Sieve signature in the V2 target of RV144-
induced antibodies. *Keystone Symposium on HIV Vaccines 2012*, Keystone, Colorado.
- 2012 Huang Y, Self S, Gilbert PB, Yao L, Shao Y. U.S.-China collaborations on the design of
China's first Phase IIb HIV vaccine efficacy trial. *33rd Annual Meeting of the Society for
Clinical Trials*, Miami, Florida ().
- 2013 Seaton KE*, Yates NL*, Williams WT, Liao L, deCamp A*, Fong Y, Montefiori D,
Spearman P, Elizaga M, Barnett S, Koutsoukos M, GSK PROHIV-002 Protocol Team,
HVTN 088 Protocol Team, RV144 Protocol Team, VAX003 Protocol Team, McElrath MJ,
Corey L, Michael N, Kim J, Voss G, **Gilbert PB**, Haynes BF, Tomaras GD. Human HIV-1
vaccine induced antibody durability and Env IgG3 responses. *AIDS Vaccine Conference*,
Barcelona, Spain.
- 2013 Li S, **Gilbert PB**, Tomaras GD, Kijak G, Ferrari G, Thomas R, Zolla-Pazner S, Evans DT,
Li Y, Gottardo R, Dai JY, Janes H, Morris D, Fong Y, Edlefsen PT, Li F, Magaret CA,
Frahm N, Alpert MD, Rerks-
Ngarm S, Pitisuttithum P, Kaewkungwal J, Nitayaphan S,
Robb ML, O'Connell RJ, Michael NL, Kim JH, McElrath MJ, Geraghty DE. association of
FcγRIIC polymorphism with vaccine efficacy and correlates of HIV-1 infection risk in
RV144. *AIDS Vaccine Conference*, Barcelona, Spain.
- 2013 Huang Y, Duerr A, Zhang L, Moodie Z, Frahm N, DeRosa SC, McElrath MJ, **Gilbert PB**.
Immune correlates analysis of the Step HIV vaccine efficacy trial. *AIDS Vaccine
Conference*, Barcelona, Spain.
- 2013 Gartland A, Li D, McNevin J, Tomaras GD, Gottardo R, Janes H, Fong Y, Morris D,
Geraghty D, Kijak GH, Edlefsen PT, Frahm N, Larsen BB, Tovanabutra S, Sanders-Buell
E, deCamp A*, Magaret CA, Ahmed H, Goodridge JP, Chen L, Konopa P, Nariya S,
Stoddard JN, Wong K, Zhao H, Deng W, Maust BS, Bose M, Howell S, Bates A, Lazzaro
M, O'Sullivan A, Lei E, Bradfield A, Ibitanumo G, Assawadarachai V, O'Connell RJ,
deSouza MS, Nitayaphan S, Rerks-
Ngarm S, Robb ML, Sidney J, Sette A, Zolla-Pazner S,
Montefiori D, McElrath MJ, Mullins JI, Kim JH, **Gilbert PB**, Hertz T. Analysis of HLA
A*02 association with vaccine efficacy in the RV144 Thai trial. *Advancing Vaccines in the
Genomics Era (T1)*, Rio de Janeiro, Barra da Tijuca, Brazil.
- 2013 Gartland A, deCamp A*, Hertz T, **Gilbert PB**. Detection of T-cell mediated sieve effects in
vaccine efficacy trials. *Advancing Vaccines in the Genomics Era (T1)*, Rio de Janeiro, Barra
da Tijuca, Brazil.
- 2014 Zolla-Pazner S, Williams C, Rolland M, Edlefsen PT, **Gilbert PB**, Kong X, Mullins JI,
Tovanabutra S, Rerks-
Ngarm S, Nitayaphan S, Pitisuttithum P, Kaewkungwal J, Robb M,
Michael N, Kim J. IgV V3-specific antibody reactivity in plasma from RV144: implications
for vaccine efficacy. *HIV Vaccines: Adaptive Immunity and Beyond*, *Keystone Symposia on
Molecular and Cellular Biology*, Banff, Alberta, Canada.
- 2016 deCamp A*, Rolland M, Edlefsen P, Sanders-Buell E, Hall B, Magaret C, Fiore-Gartland
A, Juraska MJ*, Graham B, Roederer M, Michael N, Robb M, McElrath MJ, Tovanabutra
S, Sobieszczyk M, Hammer S, Kim J, Mullins J, **Gilbert PB** and the HVTN505 sieve
analysis team. Sieve Pressure toward the CD4 Binding Site of Env in HVTN 505
Breakthrough Infections. *HIV Research for Prevention (HIVR4P)*, Chicago, Illinois.

- 2016 de Montigny S, Mâsse BR, **Gilbert PB**, Dimitrov DT. Projected effectiveness of Mass HIV vaccination in South Africa. *Keystone Symposia on Molecular and Cellular Biology*, Olympic Valley, California ().
- 2016 de Montigny S, Mâsse BR, Wood D, **Gilbert PB**, Dimitrov D. Assessing the Impact of the Vaccine Efficacy Profile and Regimen Adherence on Projected Effectiveness of the HVTN 702 Vaccine Regimen in South Africa. *HIV Research for Prevention (HIVR4P)*, Chicago, Illinois.
- 2016 Edlefsen P, Magaret C, Warth C, Labuschagne P, Eller L, Rolland M, Chopera D, Tovanabutra S, Matsen IV F, Poon A, Sekiziyivu A, Nitayaphan S, Rono K, Botha G, Matten D, Logan M, Anthony C, Rossenkhan R, Abrahams M, Holzman T, Robb M, **Gilbert PB**, Michael N, Williamson C, Ndabambi N, Teavers S. Systematic evaluation of HIV infection time and founder inferences using SGA and Illumina sequences. *Keystone Symposia on Molecular and Cellular Biology*, Olympic Valley, California.
- 2016 Janes H, Cohen K, Sobieszczyk M, Frahm N, Karuna S, Sanchez B, Magaret C, Adams E, Hammer S, **Gilbert PB**, McElrath MJ. Vaccine-induced CD8+ T Cell immunity strongly predicts lower HIV infection risk in HVTN 505. *HIV Research for Prevention (HIVR4P)*, Chicago, Illinois.
- 2016 Selinger C, Bershteyn A, Wood D, **Gilbert PB**, Dimitrov D. Population-level Impact of an ALVAC/AIDSVAX Vaccine Augmented with Additional Booster through Targeted Campaigns in South Africa. *HIV Research for Prevention (HIVR4P)*, Chicago, Illinois.
- 2016 Huang Y, Zhang L, Gruenberg N, Bailer R, Isaacs A, Ledgerwood J, Season K, Mayer K, Corey L, **Gilbert PB**. Population Pharmacokinetics (popPK) Analysis of VRC01, a Broadly Neutralizing HIV-1 Monoclonal Antibody, in Healthy Adults. *Conference on Retroviruses and Opportunistic Infections (CROI)*, Seattle, Washington.
- 2017 Montigny de Simon, Masse B, Wood D, Bershteyn A, Kublin J, **Gilbert PB**, Dimitrov D. Modulating effects of epidemic conditions on projected HIV vaccination efficiency in South Africa. *Canadian Conference on HIV/AIDS Research Conference (CAHR)*, Montreal, Quebec.
- 2018 Adamson BJ, de Montigny S, Mâsse BR, Garrison L, Kublin JG, **Gilbert PB**, Dimitrov D, University of Washington, Seattle, WA, University of Montreal, Montreal, QC, Fred Hutchinson Cancer Research Center, Seattle, WA. Designing Hiv Vaccine Delivery Strategies In South Africa: A Policy Analysis. *2018 Conference on Retroviruses and Opportunistic Infections (CROI)*, Boston, Massachusetts.
- 2018 de Montigny S, Mâsse BR, Kublin JG, **Gilbert PB**, Dimitrov D Modulating Effects of Revaccination Rates and Immune Refractoriness on the Projected Impact of Future HIV Vaccination in South Africa. *HIVR4P*, Madrid, Spain.
- 2019 Dintwe O, Andersen-Nissen E, Hosseinipour M, Innes C, Naidoo S, Mann P, DeCamp A, Metch B, De Rosa S, Hutter J, Rohith S, Omarjee S, Wilcox S, Marshall K, Morris D, Ramjee G, Sebe M, Maganga L, Herce M, Koutsoukos M, Van Der Meeren O, Ding S, Pantaleo G, **Gilbert PB**, Corey L, Kublin J, McElrath MJ, and HVTN 111 trial team. Biojector administration on an HIV DNA vaccine enhances CD4+ T-cell response rates in DNA prime, DNA/Protein boost HIV vaccine regimen, but shows no effect on DNA protein co-administration regime. *Keystone Symposia on B Cell-T Cell Interactions*, Keystone, Colorado.

13. SPECIAL LOCAL RESPONSIBILITIES

- 2005-2006 Deputy Director of Statistical Sciences, Statistical Center for HIV/AIDS Research and Prevention, Fred Hutchinson Cancer Research Center
- 2006 Chair, Public Health Science Division Biostatistics Faculty Search Committee
- 2010 Chair, Vaccine and Infectious Disease Institute Biostatistics Faculty Search Committee

- 2011- Member, Executive Management Team of the HIV Vaccine Trials Network
- 2011-2015 Member, SCHARP Steering Committee
- 2012-2019 Member, Executive Committee of Vaccine and Infectious Disease Division
- 2012- Member, Steering Committee for the Interdisciplinary Training Grant
- 2013-2019 Director, Biostatistics, Bioinformatics, and Epidemiology Program, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center
- 2016 Chair, 2 Vaccine and Infectious Disease Division Biostatistics Faculty Search Committees
- 2018-2019 Member, Vaccine and Infectious Disease Division and Public Health Sciences Division Biostatistics Faculty Search Committee
- 2019-present Leadership Group, Center for Infectious Diseases Prevention Research via Innovative Statistical Methods (ID-PRISM), Biostatistics, Bioinformatics, and Epidemiology Program, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center, and Departments of Biostatistics and Statistics, University of Washington
- 2021-present Chair, Vaccine and Infectious Disease Division Biostatistics Faculty Search Committee

UNIVERSITY SERVICE

- 1998-1999 Center for Biostatistics in AIDS Research Statistical Computing Committee, Harvard School of Public Health, Member
- 1998-1999 Department of Biostatistics Student Advising Committee, Harvard School of Public Health, Member
- 1998-1999 Department of Biostatistics Committee for a Master of Science in Applied Biostatistics, Harvard School of Public Health, Member
- 1999-2000 Department of Biostatistics Admissions and Recruiting Committee, Harvard School of Public Health, Member
- 1999-2000 Department of Biostatistics Curriculum Committee, Harvard School of Public Health, Member
- 1999-2000 Department of Biostatistics Postdoctoral Committee, Harvard School of Public Health, Member
- 1999-2001 Department of Biostatistics Committee for the Summer Program in Biostatistics for Underrepresented Minority Groups, Harvard School of Public Health, Member
- 1999-2001 Department of Biostatistics Diversity Committee, Harvard School of Public Health, Member
- 1999-2001 Center for Biostatistics in AIDS Research Design Review Committee, Harvard School of Public Health, Member
- 2000-2001 Department of Biostatistics Committee on the Future of Public Health, Harvard School of Public Health, Member
- 2000-2001 Department of Biostatistics Degree Program Committee, Harvard School of Public Health, Member
- 2000-2001 Department of Biostatistics Teaching Effectiveness Committee, Harvard School of Public Health, Member
- 2000-2001 Department of Biostatistics Webpage Committee, Harvard School of Public Health, Member
- 2002-2004 Department of Biostatistics Core Curriculum Committee, University of Washington School of Public Health, Member
- 2002-2006 Department of Biostatistics Faculty Development Committee, University of Washington School of Public Health, Member
- 2004-2005 Department of Biostatistics PhD Theory Exam Committee, University of Washington School of Public Health, Member
- 2006-2007 Department of Biostatistics PhD Applied Exam Committee, University of Washington School of Public Health, Member

- 2013 Department of Biostatistics, University of Washington School of Public Health, Faculty Development Committee
- 2013, 2014 Department of Biostatistics, University of Washington School of Public Health, Co-chair, Applied Exam Committee
- 2019 Department of Biostatistics, University of Washington School of Public Health, Chair, Promotion Committee for an Assistant Professor of Biostatistics
- 2020 Department of Biostatistics, University of Washington School of Public Health, Member, Applied Exam Committee

PROFESSIONALLY-RELATED COMMUNITY SERVICE

1997-present Occasional speaker at public elementary, middle school, and high schools on HIV/AIDS

14. RESEARCH FUNDING

A. CURRENT

- 2006-2027 NIH/NIAID UM1 AI068635
SDMC: HIV Vaccine Trials Network
\$5,375,656 (current years' direct)
Role: Principal Investigator
- 2018-2023 PATH
MAL-095 Ancillary Amplicon Sequencing Study: Molecular Detection and Genotyping of Plasmodium Falciparum Parasites in Young African Children After Immunization with RTS, S/AS01E Malaria Vaccine
\$56,454
Role: Principal Investigator (subcontract from Harvard University)
- 2019-2026 NIH/NIAID (subaward from Scripps Research)
Consortium for HIV/AIDS Vaccine Development: Data Management SRSU.
\$1,479,405 (total subaward costs)
Role: Consortium Co-Lead Principal Investigator
- 2016-2022 Bill & Melinda Gates Foundation
Vaccine Statistical Support (VSS)
\$5,220,242
Role: Co-Investigator
- 2021-2022 Sanofi Pasteur, Inc. (SAVAT0008)
DSMB: A parallel-group, Phase III, multi-stage, modified double-blind, multi-armed study to assess the efficacy, safety, and immunogenicity of two SARS-CoV-2 Adjuvanted Recombinant Protein Vaccines (monovalent and bivalent) for prevention against COVID-19 in adults 18 years of age and older
\$875,420
Role: Principal Investigator
- 2020-2024 NIH/NIAID 2R37 AI054165-18A1
Statistical Methods for Efficacy Trials of Vaccines and Monoclonal Antibodies Against Genetically-Diverse Pathogens
Role: Principal Investigator
- 2020-2025 NIH/NIAID (subaward from University of Cape Town)
Antigenic and virological traits of breakthrough HIV-1 subtype C infections in the VRC01 antibody-mediated protection trial
Role: Co-Principal Investigator

B. PENDING

N/A

C. PAST

- 2003-2006 NIH-NIAID 1 RO1 AI054165-01
Statistical Methods in HIV Vaccine Efficacy Trials
\$375,000 direct costs over three years
Principal Investigator
- 2004-2005 NIH-SBIR Fast Track Grant
Determining Correlates of Protection Against HIV Infection
\$58,000 direct costs over one year
Role: Principal Investigator (subcontract)
- 2004-2005 NIH-NIAID 1 U01AI46703-01
HIV Vaccine Trials Network Leadership Group, Statistical Methods
Role: co-Principal Investigator
- 2004-2014 NIH SRA171204
Statistical Issues in AIDS Research
Role: Principal Investigator (subaward from University of Washington)
- 2005-2010 NIH/NIAID 1 U01 AI067854
Statistical Data Management Center for the Center for HIV/AIDS Vaccine Immunology (CHAVI)
\$1,059,612 over five years
Role: Investigator, 10% effort (PI: Haynes) (Sub-award from Duke University)
- 2005-2011 NIH-NIAID 2 U01AI46703-06
HIV Vaccine Trials Network Leadership Group, Statistical Methods
Role: co-Principal Investigator
- 2006-2010 NIH-NIAID 2 RO1 AI054165-04
Statistical Methods in HIV Vaccine Efficacy Trials
\$700,000 direct costs over four years
Role: Principal Investigator
- 2011-2020 NIH/NIAID MERIT R37 AI054165
Statistical Methods in HIV Vaccine Efficacy Trials
\$268,268 (current years' direct)
Role: Principal Investigator
- 2006-2011 Bill & Melinda Gates Foundation
Vaccine Immunology Statistical Center (VISC)
\$1,936,568 over five years,
Role: Director of Biostatistical Unit, 10% effort (PI: Self)
- 2006-2011 NIH-NIAID
Seattle Biomedical Research Institute Malaria Antigen Discovery Program, Statistics and Data Center
Role: Principal Investigator (Subcontract)
- 2013-2018 USAMRAA JACKSONFND 792087 - NCE
Statistical and Data Management Support for Analysis Related to Vaccine Trial (RV144) and Associated Trials
\$382,484 (current years' direct)
Role: Principal Investigator (subcontract from Henry M. Jackson Foundation)
- 2016-2019 Sanofi Pasteur, Inc.
Bridging methods application in dengue vaccine adults data and support to the Type C/PreBLA meeting
\$331,658 (total)
Role: Principal Investigator
- 2016-2021 NIH/NIAID R01AI122991
Statistical methods for HIV-1 immune correlates studies
\$179,583 (current years' direct)

Role: Co-Investigator (PI: Fong)

15. BIBLIOGRAPHY

1. DeGruttola V, Hughes M, **Gilbert PB**, Phillips A. Trial design in the era of highly effective antiviral drug combinations for HIV infection. *AIDS*. 1998;12 Suppl A:S149-56. PMID: 9632997.
2. **Gilbert PB**, DeGruttola V, Hammer S. Efficient trial designs for studying combination antiretroviral treatments in patients with various resistance profiles. *Journal of Infectious Diseases*. 1998;178(2):340-8. PMID: 9697713.
3. **Gilbert PB**, Self SG, Ashby MA. Statistical methods for assessing differential vaccine protection against human immunodeficiency virus types. *Biometrics*. 1998;54(3):799-814. PMID: 9750238.
4. Scharfstein DO, Tsiatis AA, **Gilbert PB**. Semiparametric efficient estimation in the generalized odds-rate class of regression models for right-censored time-to-event data. *Lifetime Data Analysis*. 1998;4(4):355-91. PMID: 9880995.
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A. BOOK CHAPTERS (Under Review)

B. PUBLISHED BOOKS, VIDEOS, SOFTWARE, ETC.

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C. OTHER PUBLICATIONS

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D. MANUSCRIPTS SUBMITTED

IN PRESS:

1. Van der Laan L, Zhang W, **Gilbert PB**. Efficient nonparametric estimation of the covariate-adjusted threshold-response function, a support-restricted stochastic intervention (*Biometrics*).
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UNDER REVIEW:

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E. ABSTRACTS

N/A

16. OTHER

N/A