

CURRICULUM VITAE

Harold T. Bae, Ph.D., M.S.

Oregon State University ○ College of Health
School of Nutrition and Public Health
161 Milam Hall ○ Corvallis, OR 97331
Phone: 541-737-3198
E-mail: Harold.Bae@oregonstate.edu

A. EDUCATION AND EMPLOYMENT

Degree:

- | | | | |
|-------|--------------------------|------|---|
| Ph.D. | Biostatistics | 2014 | Boston University, Boston, MA
<i>Dissertation Title: Understanding the genetic basis of complex polygenic traits through Bayesian model selection of multiple genetic models and network modeling of family-based genetic data</i> |
| M.S. | Health Services Research | 2008 | The Dartmouth Institute for Health Policy and Clinical Practice, Lebanon, NH |
| B.A. | Applied Mathematics | 2005 | Dartmouth College, Hanover, NH |

Academic Appointments:

- | | |
|----------------|--|
| 2021 – present | Program Director, Biostatistics Program
School of Nutrition and Public Health, College of Health, Oregon State University, Corvallis, OR |
| 2020 – present | Associate Professor of Biostatistics (tenured)
School of Biological and Population Health Sciences, College of Public Health and Human Sciences, Oregon State University, Corvallis, OR |
| 2014 – 2020 | Assistant Professor of Biostatistics
School of Biological and Population Health Sciences, College of Public Health and Human Sciences, Oregon State University, Corvallis, OR |
| 2012 – 2014 | Graduate Student Instructor
Department of Biostatistics, Boston University School of Public Health, Boston, MA |
| 2011 – 2014 | Graduate Research Assistant
Department of Biostatistics, Boston University School of Public Health, Boston, MA |

2011 – 2012	Graduate Teaching Assistant Department of Biostatistics, Boston University School of Public Health, Boston, MA
2008 – 2009	Project Coordinator Veterans Affairs Outcomes Research Group, White River Junction, VT
2008 – 2009	Graduate Teaching Assistant The Dartmouth Institute for Health Policy and Clinical Practice, Lebanon, NH

B. TEACHING, ADVISING, AND OTHER ASSIGNMENTS

Instruction at Oregon State University

<i>Term</i>	<i>Year</i>	<i>Course</i>	<i>Enrollment</i>
Fall	2023	HHS 533e Computing For Population Health Data	34
Fall	2023	HHS 533 Computing For Population Health Data	36
Spring	2023	H 580 Lin. Reg. & Analysis of Time to Event Data	9
Winter	2023	H 564 Computing Tools & Health Data Analysis	15
Winter	2023	H 601 Research and Scholarship (3-cr)	1
Fall	2022	H 601 Research and Scholarship (2-cr)	1
Fall	2022	HHS 513 Integrated Approaches to Public Health I	25
Fall	2022	H 513 Integrated Approaches to Public Health	20
Spring	2022	H 580 Lin. Reg. & Analysis of Time to Event Data	25
Winter	2022	H 564 Computing Tools & Health Data Analysis	19
Fall	2021	HHS 513 Integrated Approaches to Public Health I	24
Fall	2021	H 513 Integrated Approaches to Public Health	41
Spring	2021	H 580 Lin. Reg. & Analysis of Time to Event Data	22
Winter	2021	H 564 Computing Tools & Health Data Analysis	25
Fall	2020	HHS 513 Integrated Approaches to Public Health I	32
Fall	2020	H 513 Integrated Approaches to Public Health	43
Spring	2020	H 580 Lin. Reg. & Analysis of Time to Event Data	20
Winter	2020	H 564 Computing Tools & Health Data Analysis	23
Fall	2019	HHS 513 Integrated Approaches to Public Health I	24
Fall	2019	H 513 Integrated Approaches to Public Health	46
Winter	2019	HHS 514 Integrated Approaches to Public Health II	10
Winter	2019	H 564 Computing Tools & Health Data Analysis	17
Fall	2018	HHS 513 Integrated Approaches to Public Health I	13
Fall	2018	H 513 Integrated Approaches to Public Health	53
Spring	2018	H 580 Lin. Reg. & Analysis of Time to Event Data	30
Winter	2018	H 564 Computing Tools & Health Data Analysis	25

Fall	2017	H 513 Integrated Approaches to Public Health	51
Spring	2017	H 578 Introduction to Molecular Epidemiology I	6
Winter	2017	H 564 Computing Tools & Health Data Analysis	16
Winter	2017	H 220 Introduction to Health Data Analysis	64
Spring	2016	H 220 Introduction to Health Data Analysis	74
Winter	2016	H 564 Computing Tools & Health Data Analysis	18
Spring	2015	H 220 Introduction to Health Data Analysis	67
Winter	2015	H 220 Introduction to Health Data Analysis	72

INVITED GUEST LECTURES

Oregon State University

<i>Date</i>	<i>Course</i>	<i>Topic</i>
5/24/2018	H683: Advanced Research Methods in Environmental & Occupational Health	Genetic Epidemiology and Public Health
5/4/2017	H554 Epidemiology of Aging	Genetics of Extreme Human Longevity
1/22/2015	H554 Epidemiology of Aging	Genome-wide Association Studies (GWAS): Applications in Studies of Extreme Longevity

CURRICULUM DEVELOPMENT

H 564 Computing Tools and Health Data Analysis: This course was developed in response to the students' and faculty's concern about the general proficiency in statistical computing packages. This is the first course in the School of Biological and Population Health Sciences that provides formal training in the two widely used statistical computing packages: R and SAS. Upon receiving positive feedback both from the students and faculty, this course became a required course for the epidemiology program. I serve as the primary instructor for this course.

H 580 Linear Regression and Analysis of Time to Event Data: This 4-credit course with a computing laboratory component is required by the biostatistics and epidemiology programs as well as most doctoral programs in the College. I have redesigned the course content and lab materials. I serve as the primary instructor for this course.

H 513 Integrated Approach to Public Health: An integrated MPH core curriculum was developed with a faculty team representing the core public health disciplines over 2 years. H 513 is a 12-credit 10-week course, mandatory for all incoming MPH students. Representing the biostatistics discipline, I developed the entire course materials for the data analytics component of the course that provides "hands-on" training on data analysis and visualizations using R. This course was first offered in the fall of 2017; with substantial re-designing, the course transitioned to a hybrid course in the fall of 2018.

HHS 513/514 Integrated Approach to Public Health I/II (online MPH): This is an online version of H 513 that is required by all incoming online MPH in Public Health Practices students. I have successfully migrated the data analytics component to the online learning modules as well as

added more online-specific course materials. This course was first offered in the fall of 2018 and winter of 2019.

HHS 533 Computing for Population Health Data (in-person and online): As part of the re-development efforts for the MPH Integrated Core curriculum, I have developed an introductory-level computing course, which was first offered in the fall of 2023 as both in-person and online courses. My development and delivery efforts are placed in both the in-person and online version of this course. This course applies a statistical computing package for importing, cleaning, managing, describing, and analyzing population health data with emphasis on generation and interpretation of numerical summaries and graphical visualizations appropriate for the measurement scale of the data. Both sections of this course received more than the enrollment cap with 36/30 (in-person) and 34/30 (online).

GRADUATE AND UNDERGRADUATE STUDENT ADVISING

MPH Advisor and Chair

<i>Name</i>	<i>Program</i>	<i>Date</i>
John		
Zoe		
Travis		
Kim, Jae Myung	Biostatistics, MPH	September, 2023
Hamling, Hannah	Public Health Practice, MPH	June, 2023
Mitchell, Carter	Public Health Practice, MPH	June, 2023
Hernandez, Neida	Public Health Practice, MPH	June, 2023
Zee, Samantha	Public Health Practice, MPH	March, 2023
Cheng, Yu-Chun	Biostatistics, MPH	September, 2022
Wohner, Michael	Biostatistics, MPH	September, 2022
Hu, Liping	Public Health Practice, MPH	June, 2022
Chan, Nathan	Biostatistics, MPH	June, 2022
Zhao, Renzheng	Biostatistics, MPH	June, 2021
Nguyen, Tho	Biostatistics, MPH	June, 2020
Lundergan, Robert	Biostatistics, MPH	June, 2020
Bao, Yuqin	Biostatistics, MPH	June, 2019
Weeder, Benjamin	Biostatistics, MPH	June, 2018
Koval, Andrew	Biostatistics, MPH	June, 2018
Yamanaka, Alisha	Biostatistics, MPH	June, 2016

PhD Committee Member

<i>Name</i>	<i>Program</i>	<i>Date</i>
Mina		
Kasimanickam, Maddie	Global Health, PhD	Degree expected: 2026
Strange, Jessica	EOH, PhD	Degree expected: 2026
Buqammaz, Mariam	EOH, PhD	Degree expected: 2025
Ghim, Seungbeen	HMP, PhD	Degree expected: 2024
Kim, Jae Myung	Kinesiology, PhD	Degree expected: 2024

Dai, Ying	Statistics, PhD	Degree expected: 2024
Masoumirad, Mandana	Health Policy, PhD	September, 2023
Cavalli, Jessica	Psychology, PhD	December, 2023
Pradhan, Satyasandipani	HBHP, PhD	Degree expected: 2024
Totty, Njesa	Statistics, PhD	July, 2024
Estrada, Ivan	Global Health, PhD	Degree expected: 2025
Nguyen, Hung	Computer Science, PhD	Degree expected: 2025
Azzouni, Abdullah	Computer Science, PhD	Degree expected: 2025
Aziere, Nicolas	Computer Science, PhD	Degree expected: 2024
Khlef, Feras	Civil Engineering, PhD	Degree expected: 2023
Duan, Chenyang	Statistics, PhD	March, 2023
Spooner, Melinda	Nutrition, PhD	May, 2022
Evoy, Richard	EOH, PhD	August, 2021
Yao, Yao	Computer Science, PhD	March, 2021
Alley, Zoe	Psychology, PhD	November, 2020
Crespo, Mayra	Nutrition, PhD	August, 2020
Tian, Cnuahuan	Statistics, PhD	June, 2020
Li, Wenjing	Pharmaceutical Science, PhD	June, 2018
Wu, Chenkai	Epidemiology, PhD	June, 2017
Conley, Melissa	Nutrition, PhD	June, 2016

MPH/MS Committee Member

<i>Name</i>	<i>Program</i>	<i>Date</i>
Lunda, Spencer	Comparative Health Sciences, MS	May, 2023
Hesser, Jennifer	Comparative Health Sciences, MS	March, 2023
Marchant, Liz	Comparative Health Sciences, MS	July, 2022
Andrew, Mark	Biostatistics, MPH	June, 2022
Khatiwada, Manisha	Biostatistics, MPH	March, 2022
Qiu, Yixian	Biostatistics, MPH	July, 2021
Yang, Yuan	Biostatistics, MPH	June, 2021
Qian, Rui	Biostatistics, MPH	June, 2021
Krishna, Ajay	Computer Science, MS	June, 2021
Radhakrishnan, Keerthana	Epidemiology, MPH	June, 2020
Mora, Eleni	Biostatistics, MPH	June, 2020
Chen, Bin	Biostatistics, MPH	June, 2020
Savella, Adrian	Biostatistics, MPH	August, 2020
Pitel, Mariya	Comparative Health Sciences, MS	June, 2019
Mings, Thomas	Biostatistics, MPH	June, 2019
Petty, Lyndi-Rae	Health Promotion and Health Behavior	June, 2019
Treseder, Julia	Comparative Health Sciences, MS	June, 2018
Brady, Jackie	Comparative Health Sciences, MS	June, 2017
Hilberg, Evan	Biostatistics, MPH	June, 2016
Yun, Jaeok	Biostatistics, MPH	March, 2016
Zhao, Ying	Biostatistics, MPH	June, 2015
Havron, Andrea	Marine Resource Management, MS	June, 2015

Undergraduate Research Awards Program (URAP)

Name

Program

Date

Martin, Jane

Nutrition

Jan-May, 2016

STUDENT EVALUATIONS

Course	Quarter	n/N ^a	Bae Rating ^b		Dept. Rating	
			Q1	Q2	Q1	Q2
<i>Oregon State University</i>			Q1	Q2	Q1	Q2
H220 Intro to Health Data Analysis	W2015	64/72	3.4	3.9	5.0	5.2
	S2015	45/67	3.9	4.0	5.0	5.3
	S2016	50/74	4.5	4.8	5.0	5.1
	W2017	38/64	4.8	4.9	4.9	5.1
H564 Computing Tools & Health Data	W2016	13/18	5.0	5.5	5.1	5.2
	W2017	14/16	5.2	5.3	4.9	5.1
	W2018	8/25	5.8	5.8	4.9	5.2
	W2019	6/17	5.8	5.9	5.1	5.4
	W2020	5/23	5.7	5.7	5.4	5.6
	W2021	17/25	5.7	5.9	5.3	5.5
	W2022	9/19	5.9	5.7	5.9	5.8
	W2023	7/15	5.9	6.0	5.7	5.8
H513 Integred Appr To Public Health	F2017	29/51	5.2	5.7	4.9	5.2
	F2018	26/53	5.5	5.9	5.5	5.6
	F2019	17/46	4.9	5.8	5.5	5.6
	F2020	22/43	5.8	5.9	5.4	5.5
	F2021	10/41	5.3	5.6	5.9	5.7
	F2022	11/20	5.8	6.0	5.6	5.7
H578 Intro Molecular Epidemiology I	S2017	3/6	5.0	5.0	4.8	5.0
H580 Linear Regression & Analysis	S2018	13/30	5.8	5.9	5.3	5.5
	S2020	8/20	6.0*	5.9*	5.6	5.6
	S2021	10/22	5.9	6.0	5.4	5.6
	S2022	11/25	6.0	5.7	6.0	5.8
	S2023	7/9	6.0	6.0	5.6	5.7
HHS 513 Integrtd Apprch/Public Hlth I	F2018	2/13	c	c		
	F2019	10/24	4.1	4.8	5.5	5.6
	F2020	13/32	5.6	5.7	5.4	5.5
	F2021	6/24	5.5	5.6	5.9	5.7
	F2022	13/25	5.7	6.0	5.6	5.7
HHS 514 Integrtd Apprch/Public Hlth II	W2019	3/10	c	c		
HHS 533 Computing for Pop Hlth Data	F2023	14/36	6.0	6.0	5.7	5.8
HHS 533e Computing for Pop Hlth Data	F2023	12/34	6.0	6.0	5.7	5.8

^a n=number of students who submitted evaluations; N=total enrollment

^b Q1 = The course, as a whole, was; Q2 = The instructor's contribution to the course was; (scale: 6=excellent; 5=very good, 4=good, 3=fair, 2=poor, 1=very poor). Value reported is the median.

*Q1 = Availability of the instructor was; Q2 = My ability to learn considering the class size was; (scale: 6=excellent; 5=very good, 4=good, 3=fair, 2=poor, 1=very poor). Value reported is the median.

^c Sample size too low

Student Research Assistant (funded)

<i>Name</i>	<i>Program</i>	<i>Status</i>
Koval, Andrew	Biostatistics, MPH	Graduated in 2018
Weeder, Benjamin	Biostatistics, MPH	Graduated in 2018
Wu, Chenkai	Epidemiology, PhD	Graduated in 2017

PEER TEACHING EVALUATIONS (attached)

C. SCHOLARSHIP

*Student or mentee

Lead author: primary responsibility for writing, primary formulation of novel methodology and content.

Senior author: primary supervisory role in directing methodology/content formulated in conjunction with lead author.

Lead statistician (substantial): significant methodological contribution critical to success of paper, e.g. in the form of significant adaptation of existing methodology or substantial software programming effort.

Supervising statistician (substantial): significant mentoring of lead author in application of statistical methods or formulation of methodology, but not as primary dissertation advisor.

Contributing author: intellectual contribution beyond statistical consultation but not in a lead or supervisory role (e.g. as a participant in a workshop leading to a white paper).

Consulting statistician: minor consultant in application of previously developed methods (either routine methods or methods I previously developed) or oversight of a junior statistician leading the analysis.

Refereed Publications

Re: "Cross-platform proteomics signatures of extreme old age"

Full author list: Paola Sebastiani; Eric Reed; Kevin B Chandler; Prisma Lopez; Catherine E Costello; Stacy L Andersen; Thomas T Perls; Mengze Li; Harold Bae; Mette Soerensen; Stefano Monti

1. Kasimanickam MR*, Kerr DCR, Killion RE, Naimi TS, Lira MC, **Bae H**. State alcohol policy environments of US colleges: predictors of sexual assault and alcohol-related arrest and disciplinary action. *Am J Prev Med.* 2023 Nov; 66(1):1-9. [*Senior author*]

2. Kerr DCR, Natalie L, **Bae H**, Boustead A, Martins S. Cannabis and Alcohol Use by U.S. Young Adults, 2008-2019: Changes in Prevalence After Recreational Cannabis Legalization. *Am J Prev Med.* 2023 Dec; 65(6):983-992. [*Supervising statistician (substantial)*]
3. Kerr DCR, **Bae H**. Comparing National College Health Assessment with other surveys of cannabis use and binge drinking among young adult college students 2008-2018. *Journal of American College Health.* 2023 May 11:1-8. [*Lead statistician (substantial)*]
4. Sebastiani P, Monti S, Lustgarten MS, Song Z, Ellis D, Tian Q, Schwaiger-Haber M, Stancliffe E, Korat AVA, Gurinovich A, Karagiannis T, Leshchik A, Li M, Lords H, Short MI, Xiang Q, Marron MM, **Bae H**, Feitosa MF, Wojczynski M, O'Connell J, Montasser ME, Schupf N, Schork N, Arbeev K, Yashin A, Christensen K, Andersen SL, Ferrucci L, Rappaport N, Perls TT, Patti G. Plasma Metabolite Signatures of Chronological Age, Aging, Survival and Longevity. *Cell Metabolism.* Revise-and-Resubmit. September 2023. [*Contributing author*]
5. Dermody SS, **Bae H**, Kerr DCR. Trends in sexual and gender minority college students' mental health: Converging evidence and a call to action. *Psychology of Sexual Orientation and Gender Diversity.* 2023; Advance online publication. <https://doi.org/10.1037/sgd0000649>. [*Contributing author*]
6. **Bae H**, Gurinovich A, Karagiannis TT, Song Z*, Leshchik A*, Li M*, Andersen SL, Arbeev K, Yashin A, Zmuda J, An P, Feitosa M, Giuliani C, Franceschi C, Garagnani P, Mengel-From J, Atzmon G, Barzilai N, Puca A, Schork NJ, Perls TT, Sebastiani P. A Genome-Wide Association Study of 2304 Extreme Longevity Cases Identifies Novel Longevity Variants. *International Journal of Molecular Sciences.* 21 December, 2022; 24(1). [*Lead author*]
7. Gurinovich A, Li M*, Leshchik A*, **Bae H**, Song Z*, Arbeev K, Nygaard M, Feitosa M, Perls TT, Sebastiani P. Evaluation of GENESIS, SAIGE, REGENIE and fastGWA-GLMM for genome-wide association studies of binary traits in correlated data. *Frontiers in Genetics.* 23 September, 2022; 13:897210. [*Lead statistician (substantial)*].
8. Evoy R*, Hystad P, **Bae H**, Kincl Laurel. The impact of wildfire smoke and temperature on traumatic injury claims, Oregon 2009-2018. *Health Science Reports.* 15 September 2022; 5(5). [*Supervising statistician (substantial)*].
9. Barral S, Andersen SL, Perls TT, **Bae H**, Sebastiani P, Christensen K, Thyagarajan B, Lee J, Schupf N. Association between late maternal age and age-related endophenotypes in the Long Life Family Study. *Neuroscience Letters.* 27 July 2022; 784:136737. [*Contributing Author*].
10. Kerr DCR, **Bae H**, Dermody S. Trends and Disparities in Suicidal Thoughts and Behaviors and Mental Health Symptoms among Sexual and Gender Minority College

Students in the U.S., 2008-2018. *Psychology of Sexual Orientation and Gender Diversity*. 18 August, 2022. [*Lead statistician (substantial)*]

11. Evoy R*, Kincl L, Rohlman D, Bramer L, Dixon H, Hystad P, **Bae H**, Burton M, Phillips A, Miller R, Waters KM, Herbstman J, Anderson K. Impact of acute temperature and air pollution exposures on adult lung function: a repeated measures study in asthmatics. *PLoS One*. 2022 Jun 28;17(6). [*Supervising statistician (substantial)*]
12. Kia K*, **Bae H**, Johnson P, Dennerlein J, Kim JH. Evaluation of Vertical and Multi-axial Suspension Seats for Reducing Vertical-dominant and Multi-axial Whole Body Vibration and Associated Neck and Low Back Joint Torque and Muscle Activity. *Ergonomics*. 2022 Mar 16;1-15. [*Supervising statistician (substantial)*]
13. Kerr DCR, **Bae H**, Cole V, Hussong AM. Psychosocial functioning associated with prescription stimulant and opioid misuse versus hard drug use among college students. *Journal of American College Health*. 2021 Jun 16; 1-10. [*Lead statistician (substantial)*]
14. Alley ZM*, Kerr DCR, **Bae H**. Trends in college students' alcohol, nicotine, prescription opioid and other drug use after recreational marijuana legalization: 2008-2018. *Addictive Behaviors*. 2020 Mar 1; 102:106212. [*Lead statistician (substantial)*]
15. **Bae H**, Kerr DCR. Marijuana use trends among college students in states with and without legalization of recreational use: initial and longer-term changes from 2008 to 2018. *Addiction*. 2019 Dec 19; 115(6):1115-1124. [*Lead author*]
16. Kerr DCR, **Bae H**, Alley ZM. Enhancing gender and ethnic representativeness of NCHA-II data with survey weights: The examples of substance use prevalence and marijuana legalization. *Journal of American College Health*. 2019 Oct 24 (Epub ahead of print). [*Lead statistician (substantial)*]
17. **Bae H**, Lunetta KL, Murabito JM, Andersen SL, Schupf N, Perls TT, Sebastiani P, Long Life Family Study. Genetic Association with Age of Menopause in Familial Longevity. *Menopause*. 2019 Jun 10 (Epub ahead of print). [*Lead author*]
18. Koval AL*, Kerr DCR, **Bae H**. Perceived prevalence of peer marijuana use: changes among college students before and after Oregon recreational marijuana legalization. *The American Journal of Drug and Alcohol Abuse*. 2019 Apr 16;45(4):392-399. [*Senior author*]
19. Gurinovich A, **Bae H**, Farrell JJ, Andersen SL, Monti S, Puca A, Atzmon G, Barzilai N, Perls TT, Sebastiani P. PopCluster: an algorithm to identify genetic variants with ethnicity-dependent effects. *Bioinformatics*. 2019 Jan 8 (Epub ahead of print). [*Supervising statistician (substantial)*]
20. Sebastiani P, Gurinovich A, Nygaard M, Sasaki T, Sweigart B, **Bae H**, Andersen SL, Villa F, Atzmon G, Christensen K, Arai Y, Barzilai N, Puca A, Christiansen L, Hirose N,

Perls TT. APOE Alleles and Extreme Human Longevity. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*. 2019 Jan 1;74(1):44-51. [*Contributing author*]

21. **Bae H**, Gurinovich A, Malovini A, Atzmon G, Andersen SL, Villa F, Barzilai N, Puca A, Perls TT, Sebastiani P. Effects of FOXO3 polymorphisms on survival to extreme longevity in four centenarian studies. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*. 2018 Oct 8;73(11):1439-1447. [*Lead author*]
22. Kerr DCR, **Bae H**, Koval AL*. Oregon recreational marijuana legalization: Changes in undergraduates' marijuana use rates from 2008 to 2016. *Psychology of Addictive Behaviors*. 2018 Sep;32(6):670-678. [*Lead statistician (substantial), Supervising statistician (substantial)*]
23. Sebastiani P, Gurinovich A, **Bae H**, Andersen SL, Perls TT. Assortative Mating by Ethnicity in Longevous Families. *Frontiers in Genetics*. 2017 Nov 21;8:186. [*Contributing author*]
24. Kerr DCR, **Bae H**, Phibbs S, Kern AC. Changes in undergraduates' marijuana, heavy alcohol, and cigarette use following Oregon legalization of recreational marijuana use: A controlled study. *Addiction*. 2017 Nov;112(11):1992-2001. [*Lead statistician (substantial)*]
25. Sebastiani P, Gurinovich A, **Bae H**, Andersen S, Malovini A, Atzmon G, Villa F, Kraja AT, Ben-Avraham D, Barzilai N, Puca A, Perls TT. Four Genome-Wide Association Studies Identify New Extreme Longevity Variants. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*. 2017 Oct 12;72(11):1453-1464. [*Contributing author, Consulting statistician*]
26. Sebastiani P, **Bae H**, Gurinovich A, Soerensen M, Puca A, Perls TT. Limitations and risks of meta-analyses of longevity studies. *Mechanisms of Ageing and Development*. 2017 Jul;165(Pt B):139-146. [*Lead statistician (substantial)*]
27. Fagan E, Sun F, **Bae H**, Elo I, Andersen SL, Lee J, Christensen K, Thyagarajan B, Sebastiani P, Perls T. Telomere length is longer in women with late maternal age. *Menopause*. 2017 May;24(5):497-501. [*Contributing author*]
28. Carozza SE, **Bae H**, Meath T, Branscum A, Bovbjerg ML, Langlois PH. Evaluation of maternal health and labor and delivery conditions as risk factors for childhood leukemias in children with Down syndrome. *Cancer Epidemiology*. 2017 Feb;46:36-41. [*Lead statistician (substantial)*]
29. **Bae H**, Monti S, Montano M, Steinberg MH, Perls TT, Sebastiani P. Learning Bayesian Networks from Correlated Data. *Scientific Reports*. 2016 May;6:25156. [*Lead author*]

30. Zeng Y, Nie C, Min JX, Liu XM, Li MM, Chen HS, Xu HS, Wang MB, Ni T, Li Y, Yan H, Zhang JP, Song C, Chi LQ, Wang HM, Dong J, Zheng GY, Lin L, Qian F, Qi YW, Liu X, Cao HZ, Wang YH, Zhang LJ, Li ZC, Zhou YF, Wang Y, Lu JH, Li JX, Qi M, Bolund L, Yashin A, Land KC, Gregory S, Yang Z, Gottschalk W, Tao W, Wang J, Wang J, Xu X, **Bae H**, Nygaard M, Christiansen L, Christensen K, Franceschi C, Lutz MW, Gu J, Tan QH, Perls T, Sebastiani P, Deelen J, Slagboom E, Hauser E, Xu H, Tian XL, Yang HM, Vaupel JW. Novel loci and pathways significantly associated with longevity. *Scientific Reports*. 2016 Feb 25;6:21243. [*Contributing author*]
31. **Bae H**, Perls T, Steinberg M, Sebastiani P. Bayesian Polynomial Regression Models to Fit Multiple Genetic Models for Quantitative Traits. *Bayesian Analysis*. 2015 Mar;10:53-74. [*Lead author*]
32. Sebastiani P, Farrell J, Alsultan A, Wang S, Edward H, Shappell H, **Bae H**, Milton J, Baldwin C, Al-Rubaish A. BCL11A enhancer haplotypes and fetal hemoglobin in sickle cell anemia. *Blood Cells, Molecules, and Diseases*. 2015 Mar;54:224-30. [*Contributing author*]
33. Stevenson M, **Bae H**, Schupf N, Andersen S, Zhang Q, Perls T, Sebastiani P. Burden of disease variants in participants of the long life family study. *Aging (Albany NY)*. 2015 Feb;7:123-32. [*Supervising statistician (substantial)*]
34. Sun F, Sebastiani P, Schupf N, **Bae H**, Andersen SL, McIntosh A, Abel H, Elo IT, Perls TT. Extended maternal age at birth of last child and women's longevity in the Long Life Family Study. *Menopause*. 2015 Jan;22:26-31. [*Contributing author*]
35. **Bae HT**, Perls TT, Sebastiani P. An efficient technique for Bayesian modeling of family data using the BUGS software. *Frontiers in Genetics*. 2014 Nov;5:390. [*Lead author*]
36. Bachman E, Trivison TG, Basaria S, Davda MN, Guo W, Li M, Westfall JC, **Bae H**, Gordeuk V, Bhasin S. Testosterone induces erythrocytosis via increased erythropoietin and suppressed hepcidin: evidence for a new erythropoietin/hemoglobin set point. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*. 2014 Jun;69:725-35. [*Contributing author*]
37. Lee JH, Cheng R, Honig LS, Feitosa M, Kammerer CM, Kang MS, Schupf N, Lin SJ, Sanders JL, **Bae H**, Druley T, Perls T, Christensen K, Province M, Mayeux R. Genome wide association and linkage analyses identified three loci-4q25, 17q23.2, and 10q11.21-associated with variation in leukocyte telomere length: the Long Life Family Study. *Frontiers in Genetics*. 2014 Jan;4:310. [*Contributing author*]
38. Sebastiani P, **Bae H**, Sun FX, Andersen SL, Daw EW, Malovini A, Kojima T, Hirose N, Schupf N, Puca A. Meta-analysis of genetic variants associated with human exceptional longevity. *Aging (Albany NY)*. 2013 Sep;5:653-61. [*Lead statistician (substantial)*]

39. Andersen SL, Sun JX, Sebastiani P, Huntly J, Gass JD, Feldman L, **Bae H**, Christiansen L, Perls TT. Personality factors in the long life family study. *The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences*. 2013 Sep;68:739-49. [*Contributing author*]
40. Ngo D, **Bae H**, Steinberg MH, Sebastiani P, Solovieff N, Baldwin CT, Melista E, Safaya S, Farrer LA, Al-Suliman AM. Fetal hemoglobin in sickle cell anemia: genetic studies of the Arab-Indian haplotype. *Blood Cells, Molecules, and Diseases*. 2013 Aug;51:22-6. [*Lead statistician (substantial)*]
41. Alsultan A, Ngo D, **Bae H**, Sebastiani P, Baldwin CT, Melista E, Suliman AM, Albuali WH, Nasserullah Z, Luo Hy. Genetic studies of fetal hemoglobin in the Arab-Indian haplotype sickle cell- β 0 thalassemia. *American Journal of Hematology*. 2013 Jun;88:531-2. [*Lead statistician (substantial)*]
42. **Bae HT**, Sebastiani P, Sun JX, Andersen SL, Daw EW, Terracciano A, Ferrucci L, Perls TT. Genome-wide association study of personality traits in the long life family study. *Frontiers in Genetics*. 2013 May;4:65. [*Lead author*]
43. **Bae HT**, Baldwin CT, Sebastiani P, Telen MJ, Ashley-Koch A, Garrett M, Hooper WC, Bean CJ, DeBaun MR, Arking DE. Meta-analysis of 2040 sickle cell anemia patients: BCL11A and HBS1L-MYB are the major modifiers of HbF in African Americans. *Blood*. 2012 Aug;120(9):1961-2. [*Lead author*]
44. Cordoba G, Schwartz L, Woloshin S, **Bae H**, Gøtzsche PC. Definition, reporting, and interpretation of composite outcomes in clinical trials: systematic review. *BMJ*. 2010 Aug;341:c3920. [*Contributing author*]
45. Chatterjee A, Chen L, Goldenberg EA, **Bae HT**, Finlayson SR. Opportunity cost in the evaluation of surgical innovations: a case study of laparoscopic versus open colectomy. *Surgical Endoscopy*. 2010 May;24(5):1075-9. [*Lead statistician (substantial)*]

Book Chapter

Sebastiani P, Gurinovich A, **Bae H**, Perls TT. “Genetic Markers of Extreme Human Longevity.” *Biomarkers of Human Aging*. Ed. Moskalev A. Springer Nature. [Accepted to appear in *Biomarkers of Human Aging*]

Invited Conference Presentations and Seminars

1. College of Public Health and Human Sciences Research Seminar, Oregon State University (Feb. 26, 2021). *Recreational Marijuana Legalization and US College Students' Substance Use*. **Bae H**.

2. 2019 WNAR Annual Meeting (Jun. 23-26, 2019). *Effect of Recreational Marijuana Legalization on the US Undergraduates' marijuana use rates: Analysis of Repeated Cross-sectional Data from 2008 to 2018*. **Bae H**, Kerr DCR.
3. College of Public Health and Human Sciences Research Seminar, Oregon State University (Feb. 24, 2017). *The effect of Oregon legalization of recreational marijuana among undergraduates*. **Bae H**.
4. Center for Genome Research and Biocomputing Spring Conference, Oregon State University (Apr. 11, 2016). *Associations of FOXO3A and Extreme Longevity in Four Centenarian Studies*. **Bae H**.
5. Oregon Public Health Association Conference, Oregon State University (Oct. 12, 2015). *Associations of FOXO3A and Longevity in the Long Life Family Study, New England Centenarian Study, Ashkenazi Jewish Centenarian Study, and Southern Italian Centenarian Study*. **Bae H**.
6. The Joint Statistical Meetings 2015; Seattle, WA (Aug. 8-13, 2015). *Learning Bayesian Networks from Correlated Data*. **Bae H**, Monti S, Montano M, Perls TT, Sebastiani P.
7. College of Public Health and Human Sciences Research Seminar, Oregon State University (Oct. 17, 2014). *Understanding the Genetic Basis of Complex Polygenic Traits*. **Bae H**.
8. American Statistical Association - Oregon Chapter Fall 2014 Meeting, Oregon State University (Oct. 15, 2014). *Bayesian Model Selection for Multiple Genetic Models: Application to GWAS Data*. **Bae H**.
9. American Society of Hematology 53rd Annual Meeting; San Diego, CA (Dec. 10-13, 2011). *An Elevated Tricuspid Regurgitant Jet Velocity in Sickle Cell Disease Is Associated with Polymorphisms in Genes Impacting Innate Immunity*. **Bae H**, Baldwin CT, Gladwin MT, Ashley-Koch AE, Garrett M, Soldano K, Taylor JG, Kato GJ, Telen MJ, Sebastiani P, Steinberg MH, Klings ES.

Presented Abstracts

Kasimanickam MR*, Kerr DCR, Killion RE, Naimi TS, Lira MC, **Bae H**. State alcohol policy environments of US colleges: predictors of sexual assault and alcohol-related arrest and disciplinary action. APHA 2023 Annual Meeting and Expo; Atlanta, GA (Nov. 14, 2023). Oral Presentation

Bae H, Gurinovich A, Song Z, Leshchik A, Li M, Barzilai N, Perls T, Sebastiani P. Mega-Analysis of A Consortium of Four Centenarian Studies Identifies Novel Extreme Longevity Variants. Gerontological Society of America Annual Scientific Meeting; Indianapolis, IN (Nov. 2-6, 2022). Poster Presentation.

Bae H, Gurinovich A, Song Z, Giuliani C, Nygaard M, Barzilai N, Puca A, Sebastiani P. Ethnicity-specific extreme longevity variants in a consortium of four centenarian studies. Gerontological Society of America Annual Scientific Meeting; Indianapolis, IN (Nov. 2-6, 2022). Poster Presentation.

Bae H, Gurinovich A, Song Z, Leshchuk A, Li M, Giuliani C, Nygaard M, Sebastiani P. Comparison of Meta-analysis and Mega-analysis for Genome-wide Association Studies. International Genetic Epidemiology Society Annual Scientific Meeting; Paris, FR (Sep. 7-9). Poster Presentation.

Bae H, Gurinovich A, Sweigart B, Lunetta K, Murabito J, Andersen S, Perls T, Sebastiani P. Genetic Influence on Age of Menopause in The Long Life Family Study And Health and Retirement Study. Gerontological Society of America 70th Annual Scientific Meeting; Boston, MA (Nov. 14-18, 2018). Poster Presentation.

Bae H, Sun F, Andersen SL, Schupf N, Perls TT, Sebastiani P. Genetic Influence on Age of Menopause in Long-Lived Individuals. The 21st IAGG World Congress of Gerontology & Geriatrics; San Francisco, CA (Jul. 23-27, 2017). Poster Presentation.

Bae H, Sebastiani P, Gurinovich A, Atzmon G, Andersen A, Puca A, Barzilai N, Perls T. Associations of FOXO3A Polymorphisms with Extreme Human Longevity in Four Centenarian Studies. Gerontological Society of America 69th Annual Scientific Meeting; New Orleans, LA (Nov. 16-20, 2016). Poster Presentation.

Wu C*, Odden MC, Ramsey SA, **Bae H**. GWAS of frailty in older Caucasians and African Americans: The health and retirement study. American Society of Human Genetics 66th Annual Meeting; Vancouver, BC, Canada (Oct. 18-22, 2016). Poster Presentation

Bae H, Sebastiani P, Gordeuk VR, Zhang Y, Steinberg MH, Kato GJ. Association of FOXO3A Polymorphisms with Hematocrit, LDH and Longevity in Patients with Sickle Cell Anemia from CSSCD, Walk-Phasst, and PUSH Clinical Trials. American Society of Hematology 57th Annual Meeting; Orlando, FL (Dec. 5-8, 2015). Poster Presentation.

Bae H, Barzilai N, Atzmon G, Perls TT, Sebastiani P. Associations of FOXO3A and Extreme Longevity in the LLFS, NECS, and AJCS. Gerontological Society of America 68th Annual Scientific Meeting; Orlando, FL (Nov. 18-22, 2015). Poster Presentation.

Bae H, Newman A, Sanders J, Perls TT, Sebastiani P. Associations of FOXO3A and Human Lifespan in the Long Life Family Study: A Network Model Approach. Gerontological Society of America 66th Annual Scientific Meeting; New Orleans, LA (Nov. 20-24, 2013). Poster Presentation.

Bae H, Newman A, Sanders J, Perls TT, Sebastiani P. Associations of FOXO3A and human lifespan in the Long Life Family Study. American Society of Human Genetics 63rd Annual Meeting; Boston, MA (October 25, 2013). Poster Presentation

Bae H, Sebastiani P. Polynomial Parameterization of Single Nucleotide Polymorphism In Genetic Association Studies of Quantitative Traits. The 27th New England Statistical Symposium; Storrs, CT (Apr. 27, 2013). Poster Presentation.

Funded Grant Support

Funding Agency: National Institutes of Health
Project Title: Implications of state alcohol policy for college students' binge drinking, suicidal behavior, and sexual assault victimization
Total Amount (Date): \$ 401,602 (8/1/2023 – 7/31/2025)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: Trustees of Boston University, BUMC (Prime Sponsor: National Institutes of Health)
Project Title: The Longevity Consortium
Total Amount (Date): \$ 266,507 (9/01/2018 - 8/31/2023)
PI / Role: Harold Bae / Subcontract PI

Funding Agency: John C. Erkkila M.D. Endowment for HHP
Project Title: Changes in Oregon Undergraduates' Health Risks after Recreational Marijuana Legalization
Total Amount (Date): \$ 24,725 (6/15/2018 - 6/14/2019)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: Medical Research Foundation of Oregon
Project Title: College students' marijuana use and perception of peer use before and after legalization of recreational marijuana use in Oregon
Total Amount (Date): \$ 30,640 (6/01/2018 - 5/31/2019)
PI / Role: Harold Bae / PI

Funding Agency: The Alpha Foundation
Project Title: Systematic Evaluation of Multi-axial Suspension to Reduce Whole Body Vibration Exposures in Heavy Equipment Mining Vehicle Operators
Total Amount (Date): \$ 361,407 (1/1/2017 – 12/31/2018)
PI / Role: Jay Kim (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: National Science Foundation
Project Title: QuBBD: Mathematical models for a molecular genetic understanding of population variation in risk of cardiovascular disease
Total Amount (Date): \$ 99,579 (9/1/2015 – 8/31/2016)
PI / Role: Harold Bae and Stephen Ramsey (Carlson College of Veterinary) / Co-PI

Funding Agency: OSU / Division of Health Sciences Interdisciplinary Grant
Project Title: Integrating genetic epidemiology and functional genomics approaches for a detailed understanding of the functions of noncoding variants in CVD
Total Amount (Date): \$ 27,000 (7/1/2015 – 6/30/2016)
PI / Role: Harold Bae and Stephen Ramsey (Carlson College of Veterinary Medicine, OSU) / Co-PI

Pending Grants

Funding Agency: Trustees of Boston University (Prime Sponsor: National Institutes of Health)
Project Title: Protein Signatures of APOE and Cognitive Aging
Total Amount (Date): \$ 278,792 (7/01/2024 - 6/30/2028)
PI / Role: Harold Bae / Subcontract PI

Submitted Grants

Funding Agency: National Institutes of Health (resubmission)
Project Title: Implications of state alcohol policy for college students' binge drinking, suicidal behavior, and sexual assault victimization
Total Amount (Date): \$ 402,364 (1/1/2024 – 12/31/2026)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Institutes of Health (resubmission)
Project Title: Implications of state cannabis legalization and alcohol policy environments for substance use across early adulthood
Total Amount (Date): \$ 422,025 (9/15/2023 – 9/14/2025)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: Implications of state cannabis legalization and alcohol policy environments for substance use across early adulthood
Total Amount (Date): \$ 419,935 (9/15/2023 – 9/14/2025)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: DHHS Centers for Disease Control and Prevention
Project Title: Evaluation of Biomechanical and Cognitive Load: Commercial Truck Pilots in Autonomous Trucks
Total Amount (Date): \$ 25,000 (9/1/2022 – 8/31/2024)
PI / Role: Jay Kim (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: John C. Erkkila M.D. Endowment for HHP

Project Title: Effectiveness of state alcohol policies at preventing binge drinking and sexual assaults among two- and four-year college students
Total Amount (Date): \$ 25,000 (7/15/2022 – 7/14/2023)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: NIH National Institute on Drug Abuse
Project Title: Cannabis and heavy alcohol use by college students 2008-2023: Recreational legalization and retail environments (re-submission)
Total Amount (Date): \$ 408,375 (9/01/2022 - 8/31/2024)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: Pilot Study of Standardized Medical Orders to Optimize the Transition to Hospice (SMOOTH): Hospital to Home Hospice Transitions (re-submission)
Total Amount (Date): \$ 432,113 (7/01/2022 - 6/30/2024)
PI / Role: Jon Furuno (College of Pharmacy, OSU) / Co-I

Funding Agency: DHHS Centers for Disease Control and Prevention
Project Title: Effects of Multi-axial Whole Body Vibration on Biomechanical and Physiological Stress among Off-road Vehicle Operators (re-submission)
Total Amount (Date): \$ 2,030,494 (9/01/2021 - 8/31/2025)
PI / Role: Jay Kim (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: NIH National Institute on Drug Abuse
Project Title: Cannabis and heavy alcohol use by college students 2008-2022: Recreational legalization and the COVID-19 context.
Total Amount (Date): \$ 408,375 (9/01/2021 - 8/31/2023)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Institute for Occupational Safety and Health
Project Title: Effects of off-road multi-axial whole body vibration on biomechanical and physiological stress
Total Amount (Date): \$ 1,806,357 (04/01/2021 - 03/31/2026)
PI / Role: Jay Kim (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: CPWR - Center for Construction Research and Training
Project Title: Targeted intervention to reduce whole body vibration and associated musculoskeletal disorders and fall-related injuries among construction operating engineers
Total Amount (Date): \$ 999,690 (9/01/2019 - 8/31/2024)
PI / Role: Jay Kim (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: Maintaining Independence in Older Adults Study
Total Amount (Date): \$ 2,636,086 (9/01/2018 - 8/31/2023)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: Agency for Healthcare Research and Quality
Project Title: The Cognitive TraP: The Cognitive Trajectories Project in older ambulatory care patients (resubmission A1)
Total Amount (Date): \$ 99,418 (7/01/2018 - 6/30/2020)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: A toolset for mapping the disease regulome from biomedical Big Data (resubmission A1)
Total Amount (Date): \$ 1,201,729 (1/1/2018 – 12/31/2020)
PI / Role: Harold Bae, Stephen Ramsey (Carlson College of Veterinary Medicine, OSU), and Duo Jiang (College of Sciences, OSU) / Co-PI

Funding Agency: Agency for Healthcare Research and Quality
Project Title: The Cognitive TraP: The Cognitive Trajectories Project in older ambulatory care patients.
Total Amount (Date): \$ 99,997 (7/1/2017 – 6/30/2019)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: National Institute on Drug Abuse / National Institutes of Health
Project Title: College students' substance use and risk behaviors before and after state legalization of recreational marijuana use
Total Amount (Date): \$ 878,338 (9/1/2017 – 8/31/2022)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Institute on Aging / National Institutes of Health
Project Title: Cognitive trajectories in older adults before and after a hospitalizations; a secondary analysis of the Ginkgo Evaluation of Memory Study
Total Amount (Date): \$ 159,440 (9/1/2017 – 8/31/2019)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: A toolset for mapping the disease regulome from biomedical Big Data
Total Amount (Date): \$ 1,131,493 (7/01/2017 - 6/30/2020)
PI / Role: Harold Bae, Stephen Ramsey (Carlson College of Veterinary Medicine, OSU), and Duo Jiang (College of Sciences, OSU) / Co-PI

Funding Agency: Team-building pilot grant through OHSU/OSU Cancer Initiative
Project Title: Developing an integrative epidemiological approach for lung cancer prevention
Total Amount (Date): \$ 10,000 (7/01/2017 - 6/30/2018)
PI / Role: Yumie Takata (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: National Institutes of Health
Project Title: Developing a precision health approach for lung cancer prevention
Total Amount (Date): \$ 10,000 (7/01/2017 - 6/30/2018)
PI / Role: Yumie Takata (College of Public Health and Human Sciences, OSU) / Co-I

Funding Agency: National Institute on Aging / National Institutes of Health
Project Title: The Cognitive TraP Study: The Cognitive Trajectories Project after Hospitalization in Older Adults
Total Amount (Date): \$ 416,689 (4/01/17 – 3/31/19)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: John C. Erkkila M.D. Endowment / Good Samaritan Hospital
Foundation Title: Impacts of recreational marijuana use law on Oregon undergraduates
Total Amount (Date): \$ 19,465 (7/1/16 – 6/30/17)
PI / Role: David Kerr (College of Liberal Arts, OSU) / Co-I

Funding Agency: National Heart, Lung, and Blood Institute / National Institutes of Health
Title: Integrating FHS SHARe Data with Omics Data to Elucidate the CAD Regulome
Total Amount (Date): \$ 204,725 (9/21/16 – 9/20/18)
PI / Role: Harold Bae and Stephen Ramsey (Carlson College of Veterinary Medicine, OSU) / Co-PI

Funding Agency: National Institute on Aging / National Institutes of Health
Title: Medication Burden and Functional Trajectories During and After Acute Hospitalizations
Total Amount (Date): \$ 418,495 (7/1/16 – 6/30/18)
PI / Role: David Lee (College of Pharmacy, OSU) / Co-I

Funding Agency: National Science Foundation / Boston University (sub-contract)
Title: Learning Directed Graphical Models from Correlated Data
Total Amount (Date): \$ 172,750 (6/1/15 – 5/31/18)
PI / Role: Harold Bae / Subcontract PI

D. SERVICE

University and College Service

- 2017 electronic Research Administration (eRA) User Advisory Group
Committee
- 2015-present In-person meetings with faculty candidates in Environmental and
Occupational Health (1), Nutrition (2), Complex Systems in the Life and
Environmental Sciences (3), Provost Initiative “Student Success” (1)

COLLEGE ACTIVITIES

- 2022-2023 MPH Integrated Core Re-development Committee
- 2022, 2023 Search Committee Member, Biostatistics (instructor)
- 2020-present MPH-PHP Advisor
- 2020-2023 BPHS Personnel Committee
- 2022 Search Committee Chair, Epidemiology (tenure-line faculty)
- 2020-2022 CPHHS Curriculum Committee
- 2021 Facilitator, CPHHS Graduate Research Symposium (May 14th, 2021)
- 2021 Moderator, CPHHS Research Seminar (Feb. 12th, 2021)
- 2020 CEPH Competency #21 Committee
- 2020 Search Committee, Health Promotion and Health Behavior (instructor)
- 2019 Poster Judge at 2019 Annual Graduate Student Research Poster Session
- 2017-present Member, Committee of online MPH in Public Health Practice
- 2017-2018 Member, Committee of Development of H 513
- 2018 Member, Committee of Development of HHS 513/514
- 2017, 2018 Search Committee, Biostatistics
- 2015 Search Committee, Health Policy and Management
- 2015 Recorded a video for CPHHS Graduate Student Orientation
- 2014-present Biostatistics Program Meetings
- 2014-present Wrote letters of recommendation for graduate students

Service to Profession

Editorial Board

Associate Editor for Biometrics & Biostatistics International Journal (2014 – present)

Ad Hoc Reviewer for:

Preventive Medicine (2021)
Health Policy Briefs (2021)
Substance Use and Misuse (2020, 2021, 2023)
Journal of American College Health (2020, 2022, 2024)
Journal of Studies on Alcohol and Drugs (2020)
The Social Science Journal (2019)
PLOS One (2019, 2020, 2021)
Annals of Human Genetics (2018)

Circulation: Genomic and Precision Medicine (2018-2024; multiple articles per year)
Journal of Gerontology: Medical Sciences (2017)
International Journal of Environmental Research and Public Health (2017)
Statistical Methods in Medical Research (2017)
Journal of Applied Statistics (2016)
Experimental Gerontology (2016)
The American Statistician (2015)
Hematology (2015)
Circulation: Cardiovascular Genetics (2014-2018, 2020, 2021)
Neurobiology of Aging (2022)
BMC Genomics (2022)
Journal of Biopharmaceutical Statistics (2023, 2024)
Stroke (2024)
Nature Communications (2024)

Chair, Committee of Student Paper Competition, WNAR 2020, Virtual (due to Covid-19)

Chair, Invited session, Recent Developments in Public Health Biostatistics, WNAR 2019, Portland, OR.

Member, Committee of Student Paper Competition, WNAR 2019, Portland, OR.

Member, Committee of Student Paper Competition, WNAR 2018, Edmonton, AB, Canada.

Member, Regional Advisory Board, WNAR 2018-2020.

Judge, Poster Presentations, Oregon Public Health Association Conference 2016 & 2018.

E. AWARDS

Institutional Training Grant in Biostatistics (T-32: Graduate Study Support). National Institutes of Health. 2009-2011.

American Society of Hematology Abstract Achievement Award. American Society of Hematology Annual Meeting. December 2011.

Professional Membership

American Statistical Association (2014 – present)

American Society of Human Genetics (2014 – present)