***Cassandra N. Spracklen, Ph.D.***

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***APPOINTMENTS***

Assistant Professor, University of Massachusetts, Amherst, MA 2019-  
Department of Biostatistics and Epidemiology

***EDUCATION AND TRAINING***

Postdoctoral Research Fellow, University of North Carolina, Chapel Hill, NC 2014-2019  
Department of Genetics, Advisor Karen Mohlke

Ph.D. in Epidemiology, University of Iowa, Iowa City, IA 2011-2014  
Department of Epidemiology, Advisors Audrey Saftlas and Kelli Ryckman

Certificate in Graduate Teaching, University of Iowa, Iowa City, IA 2012-2014

M.S. in Epidemiology, University of Iowa, Iowa City, IA 2009-2011  
Department of Epidemiology, Advisor Elizabeth Chrischilles

B.A. in Biology, Anderson University, Anderson, IN 2005-2009

***HONORS AND AWARDS***

American Society for Human Genetics Reviewer’s Choice Abstract 2019

* Awarded to top scoring (~10%) poster abstracts

Anderson University Distinguished Young Alumni Award 2019

Quantitative Geneitcs and Genomics Gordon Research Conference, Travel Award 2019

Postdoctoral Award for Research Excellence, University of North Carolina at Chapel Hill 2018

* Awarded in recognition of the research promise demonstrated by a postdoc

American Society for Human Genetics Charles J. Epstein Trainee Award for Excellence 2018  
in Human Genetics Research, Finalist

* Highly competitive abstract submitted and presented at annual meeting by a pre-

or post-doctoral trainee

Royal College of Obstetrics and Gynaecologists David Liu Prize Paper 2018

* Best obstetrics or prenatal diagnosis paper in BJOG 2016/2017

American Society for Human Genetics Trainee Spotlight Paper 2017

* Outstanding paper written by ASHG trainee member; 2 awarded/quarter

American Society for Human Genetics Reviewer’s Choice Abstract 2017

* Awarded to top scoring (~10%) poster abstracts

Executive Council of Graduate and Professional Students Travel Grant, 2014

University of Iowa

Outstanding Teaching Assistant of the Year 2014

* Awarded to teaching assistants who demonstrated outstanding ability as teacgers  
  at the University of Iowa

Milford E. Barnes Award for Academic Excellence in Epidemiology 2014

* Awarded to top graduate from University of Iowa Department of Epidemiology each  
  year for outstanding work in their area of study

Dean’s List, Anderson University 2005-2009

Dean’s Scholarship, Anderson University 2005-2009

***PUBLICATIONS/BIBLIOGRAPHY***

**PUBLISHED (\* indicates co-first and/or co-last authors)**

1. Raulerson CK, Ko A, Kidd JC, Currin KW, Brotman SM, Cannon ME, Wu Y, **Spracklen CN**, Jackson AU, Stringham HM, Welch RC, Fuchsberger C, Locke AE, Narisu N, Lusis AJ, Civelek M, Furey TS, Kuusisto J, Collins FS, Boehnke M, Scott LJ, Lin D, Love MI, Laakso M, Pajukanta P, Mohke KL. Adipose tissue gene expression associations reveal hundreds of candidate genes for cardiometabolic traits. *Amer J Hum Genet* 2019 (Accepted September 3, 2019).
2. Tin A\*, Marten J\*, Halperin Kuhns VL\*, Li Y\*, Wuttke M\*, Kirsten H\*, Sieber KB, Qiu C, Gorski M, Yu Z, Giri A, Sveinbjornsson G, Li M, Chu AY, Hoppmann A, Prins B, Nutile T, NoNoce D, Akiyama M, Cocca M, Ghasemi S, van der Most PJ, Horn K, Xu Y, Fuchsberger C, Sedaghat S, Afaq S, Amin N, Arnlov J, Bakkar SJL, Bansal N, Baptista D, Bergmann S, Biggs ML, Biino G, Boerwinkle E, Bottinger EP, Boutin TS, Brumat M, Burkhardy R, Campana E, Campbell A, Campbell H, Carroll RJ, Catamo E, Chambers JC, Ciullo M, Concas MP, Coresh J, Corre T, Cusi D, Felicita SC, de Borst MH, De Grandi A, de Mutsert K, Eckardt KU, Ehret G, Endlich K, Evans MK, Gansevoort RT, Gasparini P, Giedraitis V, Gieger C, Girotto G, Gogele M, Gordon SD, Gudbjartsson DF, Gudnason V, Haller T, Hamet P, Harris TB, Hayward C, Hicks AA, Hofer E, Holm H, Huang W, Hutri-Kahone N, Hwang SJ, Ikram MA, Lewis RM, Ingelsson E, Jakobsdottir H, Jonsdottir I, Jonsson H, Joshi PK, Josyula NS, Jung B, Kahonen M, Kamatani Y, Kanai M, Kerr SM, Kiess W, Kleber ME, Koenig W, Kooner JS, Korner A, Kovacs P, Kramer BK, Kronenberg F, Kubo M, Kuhnel B, La Bianca M, Lange LA, Lehne B, Lehtimaki T, Lifelines Cohort Study, Liu J, Loeffler M, Loos RF, Lyytikainen LP, Magi R, Mahajan A, Martin NG, Marz W, Mascalzoni D, Matsuda K, Meisinger C, Meitinger T, Metspalu A, Milaneschi Y, Million Veterans Program, O’Donnell CJ, Wilson OD, Gaziano JM, Mishra PP, Mohlke KL, Mononen N, Montgomery GW, Mook-Kanamori DO, Muller-Nurasyid M, Nadkarni GN, Nalls MA, Nauck M, Nikus K, Ning B, Nolte IM, Noordam R, OConnell J, Olafsson I, Padmanabhan S, Pennix BWJH, Perls T, Peters A, Pirastu M, Pirastu N, Pistis G, Polasek O, Ponte B, Porteous DJ, Poulain T, Preuss MH, Rabelink TJ, Raffield LM, Raitakari OT, Rettig R, Rheinberger M, Rice KM, Rizzi F, Robino A, Rudan I, Rueedi R, Ruggiero D, Ryan KA, Saba Y, Salvi E, Schmidt H, Schmidt R, Shaffer CM, Smith AV, Smith BH, **Spracklen CN**, Strauch K, Stumvoll M, Sulem P, Tajuddin SM, Teren A, Thiery J, Thio CHL, Thorsteinsdottir U, Toniolo D, Tonjes A, Tremblay J, Uitterlinden AG, Vaccargiu S, van der Harst P, van Duijn CM, Verweij N, Volker U, Vollenweider P, Waeber G, Waldenberger M, Wallentin L, White H, Whitfield JB, Wild SH, Wilson JF, Yang Q, Zhang W, Zonderman AB, Bochud M, Wilson JG, Pendergrass SA, Ho K, Parsa A, Pramstaller PP, Psaty BM, Boger CA, Snieder H, Butterworth AS, Okada Y, Edwards TL, Stefansson K, Susztak K, Scholz M, Heid IM, Hung AM\*, Teumer A\*, Pattaro C\*, Woodward OM\*, Vitart V\*, Kottgen A\*. Target genes, variants, tissues, and transcriptional pathways for the regulation of serum urate levels in humans. *Nat Genet* *2019* (Accepted August 27, 2019)
3. **Spracklen CN**\*, Karaderi T\*, Yaghootkar H, Schurmann C, Fine RS, Kutalik Z, Preuss MH, Lu Y, Wittemans LBL, Adair LS, Allison M, Amin N, Auer PL, Bartz TM, Bluher M, Boehnke M, Borja JB, Bork-Jensen J, Broer L, Chasman DI, Chen YDI, Christofidou P, Demirkan A, van Dijk KW, van Dujin CM, Feitosa MF, Garcia ME, Graff M, Grallert H, Grarup N, Guo X, Haesser J, Hansen T, Harris TB, Highland HM, Hong J, Ikram MA, Ingelsson E, Jackson R, Jousilahti P, Kahonen M, Kizer JR, Kovacs P, Kriebel J, Laakso M, Lange LA, Lehtimaki T, Li J, Li-Gai R, Lind L, Luan J, Lyytikainen LP, MacGregor S, Mackey D, Mahajan A, Mangino M, Mannisto S, McCarthy M, McKnight B, Medina-Gomez C, Meigs JB, Molnos S, Mook-Kanamori D, Morris AP, de Mutsert R, Nalls MA, Nedelijkovic I, North KE, Pennell CE, Pradhan AD, Province MA, Raitakari OT, Raulerson CK, Reiner AP, Ridker PM, Ripatti S, Robertson N, Rotter JI, Salomaa V, Sandoval-Zarate AA, Sitlani CM, Spector TD, Strauch K, Taylor KD, Thuesen B, Tonjes A, Uitterlinden AG, Venturini C, Walker M, Wang CA, Wang S, Wareham NJ, Willems SM, Wilson JG, Wu Y, Yao J, Young KL, Langenberg C, Frayling TM, Kilpelainen TO, Lindgren CM, Loos RJF, Mohlke KL. Exome array analysis of adiponectin levels suggests genes relevant to obesity and lipid biology. *Am J Hum Genet* 2019;105(1):15-28.

1. Wuttke M\*, Li Y\*, Li M\*, Sieber KB\*, Feitosa MF\*, Gorski M\*, Tin A, Wang L, Chu A, Hoppmann AM, Kirsten H, Giri A, Chai JF, Sveinbjornsson G, Tayo BO, Nutile T, Fuchsberger C, Marten J, Cocca M, Ghasemi S, Xu Y, Horn K, Noce D, van der Most PJ, Sedaghat S, Yu Z, Akiyama M, Afaq S, Ahluwalia TS, Almgren P, Amin N, Ärnlöv, J, Bakker SJL, Bansal N, Baptista D, Bergmann S, Biggs ML, Biino G, Boehnke M, Boerwinkle E, Boissel M, Bottinger EP, Boutin TS, Brenner H, Brumat M, Burkhardy R, Butterworth AS, Campana E, Campbell A, Campbell H, Canouil M, Carroll RJ, Catamo E, Chamber JC, Chee MK, Chee ML, Chen X, Cheng CY, Cheng Y, Christensen K, Cifkova R, Ciullo, Concas MP, Cook JP, Coresh J, Corre T, Cusi D, Cinzia Fellicita S, Danesh J, Daw EW, de Borst MH, de Grandi A, de Mutsert R, de Vries APJ, Degenhardt F, Delgado G, Demirkan A, di Angelantonio E, Dittrich K, Divers J, Dorajoo R, Eckhardt KU, Ehret G, Elliott P, Endlich K, Evans MK, Felix JF, Foo V, Franco OH, Franke A, Freedman BI, Freitag-Wolf S, Friedlander Y, Froguel P, Gansevoort RT, Gao H, Gasparini P, Gaziano JM, Giedraitis V, Gieger C, Girotto G, Giulianini F, Gögele M, Gordon SD, Gudnason V, Haller T, Hamet P, Harris TB, Hartman CA, Hauke T, Hayward C, Hellwege JN, Heng CK, Hicks AA, Hofer E, Huang W, Hutri-Kähönen N, Hwang SJ, Ikram MA, Indridason OS, Ingelsson E, Ising M, Jaddoe VWV, Jakobsdottir J, Jonas JB, Joshi PK, Josyula NS, Jung B, Kähönen M, Kamatani Y, Kammerer CM, Kanai M, Kastarinen M, Kerr SM, Khor CC, Kiess W, Kleber ME, Koenig W, Kooner JS, Körner A, Kovacs P, Kraja AT, Krajcoviechova A, Kramer H, Krämer BK, Kronenberg F, Kubo M, Kühnel B, Kuokkanen M, Kuusisto J, Laakso M, La Bianca M, Lange LA, Langefeld CD, Lee J, Lehne B, Lehtimäki T, Lieb W, Lim SC, Lind L, Lindgren CM, Liu J, Liu J, Loeffler M, Loos RJF, Lucae S, Lukas MA, Lyytikäinen LP, Mägi R, Magnusson PKE, Mahajan A, Martin NG, Martins J, März W, Mascalzoni D, Matsuda K, Meisinger C, Meitinger T, Melander O, Metspalu A, Mikaelsdottir EK, Milaneschi Y, Miliku K, Mishra PP, Mohlke KL, Mononen N, Montgomery GW, Mook-Kanamori DO, Mychaleckyj JC, Nadkarni GN, Nalls MA, Nauck M, Nikus K, Nig B, Nolte IM, Noordam R, O’Connell J, O’Donoghue ML, Olafsson I, Oldehinkel AJ, Orho-Melander M, Ouwehand WH, Padmanabhan S, Palmer ND, Palsson R, Penninx BWJH, Perls T, Perola M, Pirastu M, Pirastu N, Pistis G, Podgornaia AI, Polasek O, Ponte B, Porteous DJ, Poulain T, Pramstaller PP, Pruess MH, Prins BP, Province MA, Rabelink TJ, Raffield LM, Raitakari OT, Reilly DF, Rettig R, Rheinberger M, Rice KM, Ridker PM, Rivadeneira F, Rizzi F, Roberts DJ, Robino A, Rossing P, Rudan I, Rueedi R, Ruggiero D, Ryan KA, Saba Y, Sabanayagam C, Salomaa V, Salvi E, Saum KU, Schmidt H, Schmidt R, Schöttker, B, Schulz CA, Schupf N, Shaffer CM, Shi Y, Smith AV, Smith BH, Soranzo N, **Spracklen CN,** Stefansson K, Strauch K, Stringmah H, Stumvoll M, Svensson PE, Szymczak S, Tai ES, Tajuddin SM, Tan NYQ, Taylor K, Teren A, Tham YC, Thiery J, Thio CHL, Thorleifsson G, Toniolo D, Tönjes A, Tremblay J, Tzoulaki I, Uitterlinden AG, Vaccargiu S, van Dam RM, van der Harst P, van Duijn CM, Velez Edward D, Verwejj N, Vogelezang S, Völker U, Vollenweider P, Waeber G, Waldenberger M, Wallentin L, Wang YX, Wang C, Waterworth DM, Wei WB, White H, Whitfield JB, Wild SH, Wilson JF, Wojczynski MK, Wong C, Wong TY, Xu L, Yang Q, Yasuda M, Yerges-Armstrong LM, Zhang W, Zonderman AB, Rotter JI, Bochud M, Psaty BM, Vitart V, Wilson JG, Dehghan A, Parsa A, Chasman DI, Ho K, Morris AP, Devuyst O, Akilesh S, Pendergrass SA, Sim X, Böger CA, Okada Y, Edwards TL, Snieder H, Gudbjartsson DF, Hung A, Heid IM\*\*, Scholz M\*\*, Teumer A\*\*, Köttgen A\*\*, Pattaro C\*\*. A catalogue of molecular targets for kidney function from genetic analysis of a million individuals. *Nat Genet* 2019, doi: 10.1038/s41588-019-0407-x. [Epub ahead of print]
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4. Takeuchi F\*, Akiyama M\*, Matoba N\*, Katsuya T\*, Nakatochi M\*, Tabara Y\*, Narita A, Saw WY, Moon S, **Spracklen CN**, Chai JF, Kim YJ, Zhang L, Wang C, Li Hu, Li Ho, Wu JY, Dorajoo R, Wang YX, He J, Takahasi A, Momozawa Y, Hirata M, Matsuda K, Rakugi H, Nakashima E, Isono M, Shirota M, Hosawa A, Ichihara S, Matsubara T, Kohara K, Igase M, Han S, Gordon-Larsen P, Huang W, Lee NR, Adair LS, Hwang MY, Lee J, Chee ML, Sabanayagam C, Zhao W, Shi Y, Liu J, Reilly DF, Sun L, Huo S, Edwards T, Long J, Chang LC, Chen CH, Yuan JM, Koh WP, Friedlander Y, Wei WB, Xu L, Cai H, Xiang YB, Chambers JC, Kooner JS, Elliott P, van der Harst P, The International Genomics of Blood Pressure Consortium, Sasaki M, Shu XO, Jonas JB, Heng CK, Chen YT, Zheng W, Lin X, Teo YY, Tai ES, Cheng CY, Wong TY, Sim X, Mohlke KL, Yamamoto M, Kim BJ, Miki T\*, Nabika T\*, Yokota M\*, Kamatani Y\*, Kubo M\*, Kato N\*. Interethnic comparability in blood pressure loci between populations of East Asian and European descent and discovery of common ancestry-specific association models. *Nature Commun* 2018;9(1):5052.
5. **Spracklen CN\***, Shi J\*, Vadlamudi, S, Wu Y, Zou M, Raulerson CK, Davis JP, Zeynalzadeh M, Jackson K, Yuan W, Wang H, Shou W, Wang Y, Luo J, Lange LA, Lange EM, Popkin B, Gordon-Larson P, Du S, Huang W, Mohlke KL. Identification and functional analysis of glycemic trait loci in the China Health and Nutrition Survey. *PLoS Genet* 2018;14(4):e1007275.
6. Lu X, Peloso GM, Liu DJ, Wu Y, Zhang H, Zhou W, Li J, Tang CS, Dorajoo R, Li H, Long J, Guo X, Xu M, **Spracklen CN**, Chen Y, Liu X, Zhang Y, Khor CC, Liu J, Sun L, Wang L, Gao Y, Hu Y, Yu K, Wang Y, Cheung CYY, Wang F, Huang J, Fan Q, Cai Q, Chen S, Shi J, Yang X, Zhao W, Sheu WHH, Cherny SS, He M, Feranil AB, Adair LS, Gordon-Larsen P, Du S, Varma R, Chen YI, Shu X, Lam KSL, Wong TY, Ganesh SK, Mo Z, Hveem K, Fritsche L, Nielsen JB, Tse H, Huo Y, Cheng CY, Chen YE, Zheng W, Tai ES, Gao W, Lin X, Huang W, Abecasis G, GLGC Consortium, Kathiresan S, Mohlke KL, Wu T, Sham PC, Gu D, Willer C. Exome chip meta-analysis identifies novel loci and East Asian-specific coding variants contributing to lipid levels and coronary artery disease. *Nature Genet* 2017;49(12):1722-1730.
7. **Spracklen CN\*,** Chen P\*, Kim YJ\*, Wang X\*, Cai H\*, Li S\*, Long J\*, Wu Y\*, Wang YX\*, Takeuchi F\*, Wu JY\*, Jung KJ\*, Akiyama K\*, Zhang Y\*, Hu X\*, Hu C\*, Moon S\*, Johnson TA\*, Li H\*, Dorajoo R\*, He M\*, Cannon ME, Roman TS, Salfati E, Lin KH, Guo X, Sheu WHH, Absher D, Adair LS, Assimes TL, Aung T, Cai Q, Chang LC, Chen CH, Chien LH, Chuang LM, Chuang SC, Du S, Fan Q, Fann CSJ, Feranil AB, Friedlander Y, Gordon-Larsen P, Gu D, Gui L, Guo Z, Heng CK, Hison J, Hsiung CA, Hu Y, Hwang MY, Hwu CM, Isono M, Juang JM, Khor CC, Kim YK, Koh WP, Kubo M, Lee IT, Lee SJ, Lee WJ, Liang KW, Lim B, Lim SH, Liu J, Nabika T, Pan WH, Peng H, Quertermous T, Sabanayagam C, Sandow K, Shi J, Sun L, Tan SP, Tan V, Taylor KD, Teo YY, Toh SA, Tsunoda T, van Dam RM, Wang A, Wang F, Wang J, Wei WB, Xiang YB, Yao J, Yuan JM, Zhang R, Zhao W, Chen YDI, Rich SS, Rotter JI, Wang TD, Wu T\*, Lin X\*, Han BG\*, Tanaka T\*, Ho YS\*, Jia W\*, Katsuya T\*, Jee SH\*, Chen YT\*, Kato N\*, Jonas JB\*, Cheng CY\*, Shu XO\*, He J\*, Zheng W\*, Wong TY\*, Huang W\*, Kim BJ\*, Tai ES\*, Mohlke KL\*, Sim X\*. Genome-wide association studies in East Asians and Europeans identify new loci for cholesterol and triglyceride levels. *Hum Mol Genet,* 2017; 26(9):1770-1784. **[ASHG Trainee Spotlight Paper, November 2017]**
8. **Spracklen CN**, Smith CJ, Saftlas AF, Triche EW, Bjonnes A, Keating B, Saxena R, Breheny PJ, Dewan AT, Hoh J, Ryckman KK. Genetic risk score for C-reactive protein and risk of preeclampsia. *Hypertens Pregnancy,* 2017; 36(1):30-35.
9. **Spracklen CN**, Ryckman KK, Robinson JG, Stefanick ML, Sarto GE, Anton SD, Wallace RB. Low birth weight and risk of later-life physical disability. *J Gerontol A Biol Sci Med Sci,* 2017; 72(4):543-547.
10. Donovan BM, **Spracklen CN**, Schweizer ML, Ryckman KK, Saftlas AF. Intimate partner violence during pregnancy and the risk for adverse infant outcomes: a systematic review and meta-analysis. *Br J Obstet Gynaec,* 2016; 123(8):1289-99. [**Editor’s Choice; 2016/2017 David Liu Prize Paper]**
11. **Spracklen CN,** Ryckman KK, Triche E, Saftlas AF. Physical activity during pregnancy and subsequent risk of preeclampsia and gestational hypertension: a Case Control Study. *Maternal Child Health J,* 2016;20(6):193-202.
12. Smith CJ, Saftlas AF, **Spracklen CN**, Triche EW, Bjonnes A, Keating B, Saxena R, Breheny PJ, Dewan AT, Robinson, JG, Hoh J, Ryckman KK. Genetic Risk Score for Essential Hypertension and Risk of Preeclampsia. *Am J Hypertension*, 2016;29(1):17-24.
13. Meyers HI, **Spracklen CN,** Ryckman KK, Murray, JC. Retrospective study of administration of vaccination for hepatitis B among newborn infants prior to hospital discharge at a Midwestern tertiary care center. *Vaccine,* 2015;33(20):2316-21.
14. Saftlas AF, **Spracklen CN**, Ryckman KK, Stockdale CK, Ault K, Rubenstein LM, Pinto LA. Influence of a loop electrosurgical excision procedure (LEEP) on levels of cytokines in cervical secretions. *J Reprod Immunol,* 2015;109:74-83.
15. Ryckman KK**, Spracklen CN,** Smith CJ, Robinson JG, Saftlas AF. Maternal lipid levels during pregnancy and gestational diabetes: a systematic review and meta-analysis. *Br J Obstet Gynaec,* 2015;122(5):643-51.
16. **Spracklen CN,** Saftlas AF, Triche E, Bjonnes A, Keating B, Saxena R, Breheny PJ, Dewan AT, Robinson JG, Hoh J, Ryckman KK. Genetic predisposition to dyslipidemia and risk of preeclampsia. *Am J Hypertension,* 2015;28(7):915-23.
17. Fuller TD, **Spracklen CN**, Ryckman KK, Knake LA, Busch TD, Momany AM, Dagle JM, Murray JC. Genetic variation in *CYB5R3* is associated with methemoglobin levels in preterm infants receiving nitric oxide therapy. *Pediatric Res,* 2015;77(3):472-6.
18. **Spracklen CN,** Wallace RB, Sealy-Jefferson S, Robinson JG, Freudenheim JL, Wellons MF, Saftlas AF, Snetselaar LG, Manson JE, Hou L, Qi L, Chlebowski RT, Ryckman KK. Birth weight and subsequent risk of cancer. *Cancer Epidemiol*, 2014;38(5):538-43. [**WHI Manuscript of the Month, September 2014]**
19. **Spracklen CN,** Smith JC, Saftlas AF, Robinson JG, Ryckman KK. Maternal hyperlipidemia and the risk of preeclampsia: a meta-analysis. *Am J Epidemiol,* 2014;180(4):346-58.
20. **Spracklen CN,** Ryckman KK, Harland KK, Saftlas AF. Effects of smoking and preeclampsia on birth weight for gestational age. *J Matern-Fetal Neo Med,* 2015;28(6):679-684.
21. Ryckman KK, **Spracklen CN**, Dagle JM, Murray JC. Maternal factors and complications of preterm birth associated with neonatal thyroid stimulating hormone. *J Pediatric Endocrinology and Metabolism,* 2014;27(9-10):929-38*.*
22. Ryckman KK, Rillamas-Sun E, **Spracklen CN**, Wallace RB, Garcia L, Tylavsky FA, Howard BV, Liu S, Song Y, LeBlanc ES, White MV, Parikh NI, Robinson JG. Racial and ethnic differences in the relationship between birth weight and type 2 diabetes mellitus in postmenopausal women. *Diabetes Metab*, 2014;40(5):379-85. [**WHI Manuscript of the Month, May 2014]**.
23. Ryken TC, Aygun N, Morris J, Schweizer M, Nair R, **Spracklen C**, Kalkanis SN, Olson JJ. The role of imaging in the management of progressive glioblastoma: A systematic review and evidence-based clinical practice guideline. *J Neurooncol,* 2014;118(3):435-60.
24. Sklavos MM, **Spracklen CN**, Saftlas AF, Pinto LA. Does loop electrosurgical procedure (LEEP) of the uterine cervix affect anti-Mullerian hormone (AMH) levels? *Biomed Research International* 2014;2014:875438.
25. Spracklen AJ, Kelpsch D, Chen X, **Spracklen CN**, Tootle T. Prostaglandins temporally regulate cytoplasmic actin bundle formation during *Drosophila* oogenesis. *Mol Biol Cell* 2013;25(3):397-411. [**Selected for Cover Article/Photo**].
26. **Spracklen CN,** Harland KK, Stegmann BJ, Saftlas AF. Cervical surgery for cervical intraepithelial neoplasia and prolonged time to conception of a live birth: a case-control study. *Br J Obstet Gynaec,* 2013;120(8):960-5. [**Editor’s Choice]**

**IN PRESS**

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2. Zhong W\*, Dong L\*, Poston TB, **Spracklen CN**, Wu D, Darville T,Mohlke KL, Li Y, Li Q\*, and Zheng X\*. Inferring causal networks from mixed observational data using directed acyclic graphs. Submitted to *Frontiers in Genetics*.
3. Yaghootkar H\*, Zhang Y\*, **Spracklen CN**, Karaderi T, Huang LO, Bradfield J, Schurmann C, Fine RS, Preuss MH, Kutalik Z, Wittemans LBL, Lu Y, Metz S, Willems SM, Li-Gao R, Grarup N, Wang S, Molnos S, Sandoval-Zarate AA, Nalls MA, Lange LA, Haesser J, Guo X, Lyytikainen LP, Feitosa MF, Sitlani CM, Venturini C, Mahajan A, Kacprowski T, Wang CA, Chasman DI, Amin N, Broer L, Robertson N, Young KL, Allison M, Auer PL, Bluher M, Borja JB, Bork-Jensen J, Carrasquilla GD, Christofidou P, Demirkan A,m Doege CA, Garcia ME, Graff M, Guo Kaiying, Hong J, Chen YDI, Jackson R, Jakupovic H, Jousilahti P, Justice AE, Kahonen M, Kizer JR, Kriebel J, LeDuc CA, Li J, Lind L, Luan J, Mackey D, Mangino M, Mannisto S, Martin Carli JF, Medina-Gomez C, Mook-Kanamori DO, Morris AP, de Mutsert R, Nauck M, Nedeljkovic I, Pennell CE, Pradham AD, Psaty BM, Raitakari OT, Scott RA, Skaaby T, Strauch K, Taylor KD, Teumer A, Uitterlinden AG, Wu Y, Yao J, Walker M, North KE, Kovacs P, Ikram MA, van Duijn CM, Ridker PM, Lye S, Homuth G, Ingelsson E, Spector TD, McKnight B, Province MA, Lehtimaki T, Adair LS, Rotter JI, Reiner AP, Wilson JG, Harris TB, Ripatti S, Grallert H, Meigs JB, Salomaa V, Hansen T, van Dijk KW, Wareham NJ, Grant SFA, Langenberg C, Frayling TM, Lindgren CM, Mohlke KL, Leibel RL, Loos RJF\*, Kilpelainen TO\*. Coding variant in *LEP* associated with lower circulating leptin levels implicates leptin in the regulation of early growth. Submitted to *Cell Metabolism*. (September 20, 2019)
4. Loh M\*, Zhang W\*, Lamri A, Tong L, Ahmad M, Lee JJ, Mohlke KL, Ng MCY, Petty LE, **Spracklen CN**, Takeuchi F, Islam MT, Jasmine F, Kastururatne A, Kibriya M, Pare G, Prasad G, Shahriar M, Chee ML, de Silva J, Engert JC, Gerstein HC, Mani KR, Sabanayagam C, Vujkovic M, Wickremasinghe AR, Wong TY, Yajnik CS, Yusuf S, Ahsan H, Bharadqaj D, Anand SS, Below JE, Boehnke M, Bowden DW, Chandak GR, Cheng CY, Kato N, Mahajan A, Sim X., McCarthy MI, Morris AP, Kooner JS\*, Saleheen D\*, Chambers JC\*. Genetic effects underlying type 2 diabetes in South Asian populations. Submitted to *Nature.* (October 7, 2019)
5. Raffield L, Iyengar AK, Wang B, Gaynor S, **Spracklen CN**, Kowalski MH, Benjamin EJ, Bis JC, Bowler R, Cade BE, Comellas AP, Correa A, Durda P, Kral B, Lange L, Larson MG, Lee J, Lewis JP, Mitchell B, Pankratz N, Polfus L, Rich SS, Rotter JI, Ryan K, Salimi S, Tracy R, Yanek L, Zhao LP, Lin X, Li Y, Dupuis J, Reiner A, Mohlke KL, Auer PWL. Allelic heterogeneity at *CRP* locus identified by whole-genome sequencing in multi-ancestry cohorts. Submitted to *Am J Human Genet*.

**IN PREPARATION**

1. **Spracklen CN**, Perrin H…, Mohlke KL. Genome-wide association studies in Europeans and East Asians identify new loci for adiponectin levels. Manuscript in preparation.
2. **Spracklen CN\***, Jackson K\*, Wu Y, Shi J, Huang W, Yuan W, Wang Y, Luo J, Popkin BM, Du S, Gordon-Larsen P, Mohlke KL. Genome-wide and conditional analyses reveal novel lipid signals and novel interactions with waist circumference and sex. Manuscript in preparation.
3. Saftlas AF, Rigterink E, Rubenstein LM, Triche EW, **Spracklen CN**. Smoking patterns in pregnancy effect risks for preeclampsia and gestational hypertension. Manuscript in preparation.

**LETTER TO THE EDITOR**

1. **Spracklen CN,** Harland KK, Stegmann BJ, Saftlas AF. Response to Letter to the Editor Re: Cervical surgery for cervical intraepithelial neoplasia and prolonged time to conception of a live birth: a case-control study. *Br J Obstet Gynaec,* 2013;120(13):1697-8.

**COLLABORATIVE MANUSCRIPTS**

1. Yengo L, Sidorenko J, Kemper KE, Zheng Z, Wood AR, Weedon MN, Frayling TM, Hirschhorn J, Yang J, Visscher PM, and the **GIANT Consortium**. Meta-analysis of genome-wide association studies for height and body mass index in ~700,000 individuals of European ancestry. bioRxiv 274654; 2018.
2. Sobrin L, Chong YH, Fan Q, Gan A, Stanwyck LK, Kaidonis G, Craig JE, Kim J, Liao WL, Huang YC, Lee WJ, Hung YJ, Guo X, Hai Y, Ipp E, Pollack S, Hancock H, Price A, Penman A, Mitchell P, Liew G, Smith AV, Gudnason V, Tan G, Klein BEK, Kuo J, Li X, Chirstiansen MW, Psaty BM, Sandow K, **Asian Genetic Epidemiology Network Consortium**, Jensen RA, Klein R, Cotch MF, Wang JJ, Jia Y, Chen CJ, Chen YI, Tsai FJ, Hanis CL, Burdon KP, Wong TY, Cheng CY. Genetically determined plasma lipid levels and risk of diabetic retinopathy: a mendelian randomization study. Diabetes 2017 Dec;66(12):3130-3141.

**ONGOING CONSORTIUM PROJECTS**

1. Trans-ancestry exome- and genome-wide meta-analyses of fat free mass index and fat percentage in up to 531,529 individuals identifies 934 and 716 association signals, repsectively (member of central analysis team; GIANT Consortium)
2. Trans-ancestry genome-wide meta-analysis of glycemic traits in 281,416 participants identifies 99 novel loci (data contributor, leader of the eQTL analysis team, member of the central analysis team, member of the writing group; MAGIC Consortium)
3. Trans-ancestry genome-wide meta-analysis of height, BMI, and waist-hip-ratio in >3 million participants (leader of the fine mapping and trans-ethnic meta-analysis working group, member of the central analysis team and data contributor; GIANT Consortium)
4. Trans-ancestry genome-wide meta-analysis of lipid levels (data contributor; GLGC Consortium)
5. Trans-ancestry genome-wide meta-analysis of chronic kidney disease and related traits (data contributor; CKDGen Consortium)
6. Trans-ancestry genome-wide meta-analysis of blood cell traits (data contributor; BCX Consortium)

***RESEARCH GRANTS AND FELLOWSHIPS***

17POST33650016 (Cassandra N. Spracklen PI) 07/01/2017-06/30/2019

American Heart Association Postdoctoral Fellowship Role: PI

*Trans-ancestry Mapping and Molecular Mechanisms at Cardiovascular Disease Loci*

The major goal of this postdoctoral fellowship is to use trans-ancestry genotype and phenotype data from large consortia to identify and fine-map loci associated with cardiometabolic traits and guide laboratory assays to identify allelic effects on gene expression at prioritized loci.

15POST24470131 (Cassandra N. Spracklen PI) 07/01/2015-06/30/2017

American Heart Association Postdoctoral Fellowship Role: PI

*Trans-ancestry Genetic Architecture of Circulating Lipid and C-reactive Protein Levels*

The major goal of this postdoctoral fellowship is to combine genetic data from several existing cohorts of different ancestries to perform trans-ancestry fine-mapping of DNA variants that function to influence lipid and C-reactive protein levels.

***RESEARCH PRESENTATIONS***

**INVITED ORAL PRESENTATIONS**

1. Harvard Medical School, Bioinformatics Seminar Series for the Department of Immunology, December 2019 (Upcoming)
2. University of Massachusetts Medical School, Endocrine Grand Rounds, November 2019 (Upcoming)
3. University of Delaware, Department of Epidemiology Seminar, January 2019
4. Univerisity of Colorado-Denver, Division of Bioinformatics and Personalized Medicine Seminar, December 2018
5. University of Massachusetts-Amherst, Department of Biostatistics and Epidemiology Seminar, November 2018
6. University of Michigan, Institute for Social Research Seminar, May 2018
7. University of North Carolina, Department of Epidemiology Cardiovascular Epidemiology  
   Seminar, September 2017
8. University of North Carolina, Department of Genetics Research Colloquium, May 2017
9. University of Iowa, Department of Epidemiology Seminar, March 2017
10. University of Iowa, Department of Epidemiology Seminar, May 2014
11. Case Western Reserve University, Department of Epidemiology and Biostatistics  
    Seminar, April 2014

**ABSTRACT ORAL PRESENTATIONS**

1. **Spracklen CN,** Horikoshi M, Kim YJ, Iyengar A, Lim VJY, AGEN consortium, DIAMANTE consortium, Mohlke KL, Sim X. Genetic architecture of type 2 diabetes in non-European populations: genome-wide meta-analysis in 283,422 East Asians identifies 32 new loci associated with type 2 diabetes. *Quantitative Genetics and Genomics Gordon Research Seminar,* Lucca, Italy, February 2019.
2. **Spracklen CN,** Sim X, Kim YJ, Horikoshi M, on behalf of the AGEN and DIAMANTE consortia. Meta-analysis in 283,579 East Asians identifies 28 new loci associated with type 2 diabetes. *American Society for Human Genetics Annual Meeting*, San Diego, CA, October 2018. [**ASHG Charles J. Epstein Trainee Award for Excellence in Human Genetics Award, Finalist]**
3. **Spracklen CN**, Jackson AU, Stringham HM, Wu Y, Civelek M, Fuchsburger C, Locke AE, Welch R, Chines PS, Narisu N, Lusis AJ, Kuusisto JK, Collins FS, Boehnke M, Laakso M, Mohlke KL. Fine-mapping GWAS loci containing extensive allelic heterogeneity reveals complex patterns of association. *American Society for Human Genetics Annual Meeting*, Baltimore, MD, 2015.
4. **Spracklen CN**, Harland KK, Stegmann BJ, Saftlas AF. Cervical surgery for cervical intraepithelial neoplasia and prolonged time to conception of a live birth: a case-control study. *Society for Epidemiological Research Annual Meeting*, Boston, MA, 2013.

**POSTER PRESENTATIONS**

1. **Spracklen CN,** Horikoshi M, Kim YJ, Lin K, on behalf of the AGEN and DIAMANTE constorita. Meta-analysis in 433,530 East Asians identifies 49 new loci associated with type 2 diabetes. *American Society for Human Genetics Annual Meeting*, Houston, TX, October 2019. **[Reviewer’s Choice Abstract]**.
2. **Spracklen CN,** Horikoshi M, Kim YJ, Iyengar A, Lim VJY, AGEN consortium, DIAMANTE consortium, Mohlke KL, Sim X. Genetic architecture of type 2 diabetes in non-European populations: genome-wide meta-analysis in 283,422 East Asians identifies 32 new loci associated with type 2 diabetes. *Quantitative Genetics and Genomics Gordon Research Conference,* Lucca, Italy, February 2019.
3. **Spracklen CN**, Jackson AU, Iyengar A, Vadlamudi S, Stringham HM, Raulerson CK, Cannon ME, Currin K, Wu Y, Fuchsburger C, Welch R, Chines PS, Narisu N, Kuusisto JK, Pajukanta P, Collins FS, Boehnke M, Laakso M, Mohlke KL. Fine-mapping and characterization of adiponectin GWAS loci harboring extensive allelic heterogeneity. *American Heart Association Epi/Lifestyle Annual Meeting*, New Orleans, LA, March 2018 **[Moderated Poster Session]**.
4. **Spracklen CN**, Jackson AU, Iyengar A, Vadlamudi S, Stringham HM, Wu Y, Cannon ME, Civelek M, Currin K, Fuchsburger C, Locke AE, Welch R, Chines PS, Narisu N, Lusis AJ, Kuusisto JK, Collins FS, Boehnke M, Laakso M, Mohlke KL. Fine-mapping and characterization of GWAS loci harboring extensive allelic heterogeneity. *American Society for Human Genetics Annual Meeting*, Orlando, FL, October 2017 **[Reviewer’s Choice Abstract]**.
5. **Spracklen CN**, Sim X, Chen P, Kim YJ, Wang X, Cai H, Li S, Long J, Wu Y, Wang YX, Takeuchi F, Wu JY, Jung KJ, Akiyama K, Zhang Y, Hou X, Hiu C, Moon S, Johnson TA, Li H, Dorajoo R, He M, Mohlke KL, AGEN Consortium. Association analyses of up to 72,043 East Asian individuals and trans-ancestry analyses with up to 186,265 European individuals reveal new loci associated with cholesterol and triglyceride levels. *American Society for Human Genetics Annual Meeting*, Vancouver, BC, October 2016.
6. **Spracklen CN,** Ryckman KK, Harland KK, Saftlas AF. Effects of smoking and preeclampsia on birth weight for gestational age. *Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting*, Seattle, WA, June 2014.
7. **Spracklen CN,** Sealy-Jefferson S, Wallace RB, Robinson JG, Freudenheim JL, Wellons MF, Saftlas AF, Snetselaar LG, Manson JE, Hou L, Qi L, Chlebowski RT, Ryckman KK. Birth weight and subsequent risk of cancer in postmenopausal women. *University of Iowa Holden Comprehensive Cancer Center Scientific Retreat*, Coralville, IA, June 2014.
8. **Spracklen CN,** Sealy-Jefferson S, Wallace RB, Robinson JG, Freudenheim JL, Wellons MF, Saftlas AF, Snetselaar LG, Manson JE, Hou L, Qi L, Chlebowski RT, Ryckman KK. Birth weight and subsequent risk of cancer. *University of Iowa Epidemiology Departmental Poster Session*, Iowa City, IA, May 2014.

1. **Spracklen CN,** Sealy-Jefferson S, Wallace RB, Robinson JG, Freudenheim JL, Wellons MF, Saftlas AF, Snetselaar LG, Manson JE, Hou L, Qi L, Chlebowski RT, Ryckman KK. Birth weight and subsequent risk of cancer. *Pediatric Academic Societies Annual Research Meeting*, Vancouver, BC, May 2014.
2. **Spracklen CN,** Ryckman KK, Wallace RB, Garcia L, Tylavsky FA, Howard BV, Liu S, Song Y, Rillamas-Sun E, LeBlanc ES, White MV, Parikh NI, Robinson JG. Birth weight and the risk of type 2 diabetes mellitus in postmenopausal women. *University of Iowa Health Sciences Research Week*, Iowa City, IA, April 2014.
3. **Spracklen CN,** Ryckman KK, Wallace RB, Garcia L, Tylavsky FA, Howard BV, Liu S, Song Y, Rillamas-Sun E, LeBlanc ES, White MV, Parikh NI, , Robinson JG. Birth weight and the risk of type 2 diabetes mellitus in postmenopausal women. *University of Iowa International Cardiovascular Research Center Symposium*, Iowa City, IA, October 2013.
4. **Spracklen CN,** Gryzlak BM, Rubenstein LM, Chrischilles EA. Computer and Health IT Use Among Older Iowa Adults. *University of Iowa Epidemiology Departmental Poster Session*, May 2011.

**ABSTRACTS (selected from ongoing consortia work)**

1. Wittemans LBL, Lu Y, Yaghootkar H, Preuss MH, Erzurumluoglu AM, Hemerich D, Ji Y, Karaderi T, Schurmann C, **Spracklen CN,** Huang LO, Day FR, Zilikens MC, Frayling T, Kutalik Z, Kilpelainen TO, Langenberg C, Mohlke KL, Lindgren CM, Loos RJF, on the **Genetics of Body Composition Consortium**. Integration of body fat and lean mass loci reveals genetic clusters with distinct cardiometabolic effects. *American Society for Human Genetics Annual Meeting*, Houston, TX, October 2019.
2. Li Z, Li X, Zhou H, Brody J, Graff M, Lange L, North K, Lin X, on behalf of the **TOPMed Anthropometry-Adiposity Working Group**. Whole genome sequence association analysis of body mass index in 45,159 individuals of the TOPMed program. *American Society for Human Genetics Annual Meeting*, Houston, TX, October 2019.
3. Raffield LM, Vuckovic D, Bao EL, Lareau CA, Jiang T, Chen MH, Akbari P, Mousas A, Reiner A, Johnson AD, Auer P, Lettre G, Sankaran VG, Soranzo N, on behalf of the **BCX consortium**. Large scale GWAS identifies clinically relevant rare variation for blood cell traits. *American Society for Human Genetics Annual Meeting*, Houston, TX, October 2019.
4. Chen J. on behalf of the **MAGIC consortium**. Leveraging ancestry differences for glycaemic trait locus discovery and fine-mapping. *EASD Study Group on the Genetics of Diabetes*, May 2019.
5. Tai ES, **Spracklen CN,** Horikoshi M, Kim YJ, Sim X, on behalf of the **AGEN and DIAMANTE consortia**. Ethnically determined diabetes variants (Asian Diabetes). Keystone Symposium, March 2019.
6. Vedantam S, Locke AE, Marouli E, Berndt S, Yengo L, Wood AR, Ferreira T, Graham S, on behalf of the **GIANT consortium**. Large scale meta-analysis of genome-wide association studies for height in multipke ancestries. *American Society for Human Genetics Annual Meeting*, San Diego, CA, October 2018.
7. Locke AE, Vedantam S, Marouli E, Berndt S, Yengo L, Wood AR, Ferreira T, Graham S, on behalf of the **GIANT consortium**. Global, multi-ethnic genome-wide association meta-analysis of body mass index. *American Society for Human Genetics Annual Meeting*, San Diego, CA, October 2018.
8. Chen J, on behalf of the **MAGIC Consortium** Investigators. Large trans-ethnic discovery identifies distinct genomic and expression signatures in glycemic traits. *American Society for Human Genetics Annual Meeting*, San Diego, CA, October 2018.
9. Mahajan A, Kitajima H, Sim X, Ng MCY, Zhang W, Below JE, Payne A, Gaulton KJ, and Morris AP on behalf of the **DIAMANTE Consortium**. Discovery and fine-mapping of type 2 diabetes susceptibility loci in diverse populations using more than a million individuals. *American Diabetes Association Annual Meeting*, Orlando, FL, June 2018.
10. Mahajan A on behalf of the **DIAMANTE Consortium**. Expandng the spectrum of type 2 diabetes predisposing alleles through genome-wide association study imputed up to Haplotype Reference Consortium reference panel*. European Society for Human Genetics Annual Meeting*, Milan, Italy, June 2018.
11. Morris AP on behalf of the **DIAMANTE Consortium**. Discovery and fine-mapping of type 2 diabetes susceptibility loci in diverse populations. *CHARGE Annual Meeting 2018*.
12. Marenne G on behalf of the **MAGIC Investigators.** Trans-ethnic analyses using densely imputed genetic data: novel loci discoveru for glycemic traits. *French Conference of Human and Medical Genetics Meeting*, Nantes, France, January 2018.
13. Langenberg C on behalf of the **MAGIC Investigators**. Trans-ethnic discovery analyses of the genetic architecture of glycaemic control. *American Society for Human Genetics Annual Meeting*, Orlando, FL, October 2017. [**Reviewer’s Choice Abstract]**
14. Mahajan A, Kitajima H, Sim X, Ng M, Zhang W, Below JE, Taliun D, Gaulton KJ, Morris AP, **DIAMANTE Consortium**. Discovery and fine-mapping of type 2 diabetes susceptibility loci across ethnically diverse populations. *American Society for Human Genetics Annual Meeting*, Orlando, FL, October 2017.
15. Sim X, Horikoshi M, **Spracklen CN**, Kim YJ, **AGEN DIAMANTE** Consortium. Meta-analysis in 93,701 East Asians identifies new loci associated with type 2 diabetes. *American Society for Human Genetics Annual Meeting*, Orlando, FL, October 2017. [**Reviewer’s Choice Abstract]**
16. Chen J. on behalf of the **MAGIC Investigators**. Exploring the use of Fuzzy clustering approaches to classify HbA1c associated signals into glycaemic and/or erythrocyte pathways. *International Genetic Epidemiology Society Annual Meeting*, Cambridge, UK, September 2017.
17. Below, JE on behalf of the **DIAMANTE Consortium**. Discovery and fine mapping of type 2 diabetes susceptibility loci across diverse populations. *International Genetic Epidemiology Society Annual Meeting*, Cambridge, UK, September 2017.
18. Morris A, on behalf of the **DIAMANTE Consortium**. Discovery and fine-mapping of type 2 diabetes susceptibility loci in diverse populations. *Genomics of Complex Diseases Annual Meeting*, Cambridge, UK, September 2017.
19. Locke AE on behalf of **GIANT Consortium**. Global GWAS meta-analysis of anthropometric traits in >1 million individuals. *Genomics of Complex Diseases Annual Meeting*, Cambridge, UK, September 2017.
20. Kitajima H, Mahajan A, Sim X, Ng M, Zhang W, Below JE, Taliun D, Gaulton KJ, Morris AP, **DIAMANTE Consortium**. Discovery and fine-mapping of type 2 diabetes susceptibility loci across diverse populations. *American Diabetes Association Annual Meeting*, San Diego, CA, June 2017.
21. Sim X, Horikoshi M, **AGEN Consortium**. Meta-analysis of 93,838 East Asians identifies new loci associated with type 2 diabetes. *American Diabetes Association Annual Meeting*, San Diego, CA, June 2017.

***TEACHING AND MENTORING***

# **TEACHING EXPERIENCE**

Instructor, Public Health 224: Epidemiology in Public Health, Undergraduate Public Health Majors, University of Massachusetts-Amherst, Fall 2020

Instructor, Public Health 224: Epidemiology in Public Health, Undergraduate Public Health Majors, University of Massachusetts-Amherst, Spring 2020

Guest Lecturer, *TITLE TBD*, Epidemiology 639: Cancer Epidemiology, Graduate students, University of Massachusetts-Amherst, Fall 2019

Instructor, Public Health 224: Epidemiology in Public Health, Undergraduate Public Health Majors, University of Massachusetts-Amherst, Fall 2019

Guest Lecturer, *Post-GWAS: Fine-mapping, annotation, and variant function*, Epidemiology 743: Genetic Epidemiology: Methods and Applications, Graduate students, University of North Carolina, Spring 2019

Guest Lecturer, *Post-GWAS: Fine-mapping, annotation, and variant function*, Epidemiology 743: Genetic Epidemiology: Methods and Applications, Graduate students, University of North Carolina, Spring 2018

Guest Lecturer, *Linkage Disequilibrium*, Genetics 647: Human Genetics and Genomics, Graduate students, University of North Carolina, Spring 2018

Guest Lecturer, *Linkage Disequilibrium*, Genetics 647: Human Genetics and Genomics, Graduate students, University of North Carolina, Spring 2017

Teaching Assistant, Epidemiology 6400: Epidemiology II: Advanced Methods, Graduate students, University of Iowa, Spring 2014

Facilitator, Epidemiology Departmental Journal Club, Fall 2014

Facilitator, Epidemiology Departmental Journal Club, Spring 2013

Teaching Assistant, Epidemiology 6400: Epidemiology II: Advanced Methods, Graduate students, University of Iowa, Spring 2013

Facilitator, Epidemiology Departmental Journal Club, Fall 2013

Teaching Assistant, Epidemiology 5241: Statistical Methods in Epidemiology, Graduate students, University of Iowa, Fall 2013

Guest Lecturer, *Ecological Studies*, Epidemiology 6400: Epidemiology II: Advanced Methods, Graduate students, University of Iowa, Spring 2013

Teaching Assistant, Biology 2210: Foundations of Modern Biology, Undergraduate students, Anderson University, Fall 2008

Teaching Assistant, Biology 4050: Genetics, Undergraduate students, Anderson University, Fall 2008

Teaching Assistant, Biology 1000: Principles of Modern Biology, Undergraduate students, Anderson University, Spring 2007

Teaching Assistant, Biology 2210: Foundations of Modern Biology, Undergraduate students, Anderson University, Fall 2007

Teaching Assistant, Biology 1000: Principles of Modern Biology, Undergraduate students, Anderson University, Spring 2006

Teaching Assistant, Biology 2210: Foundations of Modern Biology, Undergraduate students, Anderson University, Fall 2006

# **MENTORED STUDENTS AND TRAINEES**

University of Massachusetts-Amherst

Lucas Schildbach, MPH student, Epidemiology 2019-

Ramisa Rahman, MPH student, Epidemiology 2019-

University of North Carolina-Chapel Hill

Victoria Parsons, Ph.D. student, Genetics and Molecular Biology 2019

K. Alaine Broadaway, Postdoctoral Research Associate 2018-2019

Apoorva Iyengar, Undergraduate and postbac 2017-2019

Chelsea K. Raulerson, Ph.D. student, Bioinformatics and Computational Biology 2014-2019

Maren E. Cannon, Ph.D. student, Genetics and Molecular Biology 2014-2017

Kayla Jackson, Undergraduate student, SOLAR program Summer 2015, 2016

University of Iowa

J. Caitlin Smith, Ph.D. student, Epidemiology 2013-2014

***PROFESSIONAL SERVICE***

**SERVICE TO DISCIPLINE**

Service to National Societies

Gordon Research Conference, Quantitative Genetics and Genomics, Seminar Co-Chair, 2021

American Society for Human Genetics, The Michigan Imputation Server: Data Preparation,   
 Genotype Imputation, and Data Analysis Workshop, Co-Leader, ASHG Annual Meeting, 2019

American Society for Human Genetics, Genetics of Cardiac and Vascular Disorders Session Moderator, ASHG Annual Meeting, 2019

American Society for Human Genetics, DNA Day Essay Contest judge, 2016-2019

Society for Epidemiologic Research, abstract reviewer, 2015-2019

Society for Pediatric and Perinatal Epidemiologic Research, abstract reviewer, 2014-2016

Reviewer, Grants

*Ad hoc*, Executive Council of Graduate and Professional Students, University of Iowa, 2011-2014

*Ad hoc*, Division of Tobacco Use, Prevention, and Control, Iowa Department of Public Health, 2010

Editorial Service, Journals

Academic Editor, Public Library of Science (PLoS) One, 2016-

*Ad Hoc* Reviewer, Journals

American Journal of Epidemiology, American Journal of Reproductive Immunology, Biomedical and Environmental Sciences, BMC Medical Genomics, BMC Pregnancy and Childbirth, British Medical Journal, Diabetes, Diabetes Care, Diabetes/Metabolism Research and Review, Epidemiology, Environmental Health Perspectives, European Journal of Human Genetics, Human Molecular Genetics, International Journal of Epidemiology, Journal of Lipid Research, Journal of Women’s Health, Medicine and Science in Sports and Exercise, Molecular Genetics and Genomic Medicine, Nutrition and Metabolism, Public Library of Science (PLoS) Genetics, Public Library Of Science (PLoS) One, Women’s Health Issues

*Ad Hoc Reviewer, Book*

Senie, RT*. Epidemiology of Women’s Health*. 1ed. Jones and Bartless Learning, Burlington, MA.

**SERVICE TO UNIVERSITY**

Member, Admissions Committee, Department of Biostatistics and Epidemiology, Universtiy of Massachusetts-Amherst, 2019-2020

Faculty Co-adivsor, Epidemiology Seminar Series, Department of Biostatistics and Epidemiology, Universtiy of Massachusetts-Amherst, 2019-2020

Judge, Initiative for Maximizing Student Diversity Annual Research Symposium, University of North Carolina, 2016

Judge, Undergraduate Summer Research Symposium, University of North Carolina, 2015-2016

Ambassador, Ocracoke School, Ocracoke, NC, North Carolina DNA Day, 2015

Judge, Fall Undergraduate Research Festival, University of Iowa, 2013

Administrative Affairs/Communications Chair, College of Public Health Student Association, University of Iowa, 2010-2011

Treasurer, Epidemiology Student Association, University of Iowa, 2010-2011

**MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

American Society for Human Genetics 2015-

American Heart Association 2014-

Society for Pediatric and Perinatal Epidemiologic Research 2014-2017

Society for Epidemiological Research 2013-2017

*Last updated: October 19, 2019*