

COHRA BIBLIOGRAPHY**STUDENT DISSERTATIONS AND THESES:**

1. Moeller, Jennifer. Master of Science, Genetic Counseling, Department of Human Genetics, University of Pittsburgh, 2009. Title of Thesis: "Familial correlation in periodontal disease: indicators and risk factors."
2. Whelan, Melanie M. Doctor of Philosophy, School of Nursing, West Virginia University, 2010. Title of Dissertation: "The Application of the Vulnerable Populations Conceptual Framework to Determine Factors Predictive of Overweight and Obesity in Appalachian Children and Adolescents."
3. Commander, Sara. Master of Science, Genetic Counseling, Department of Human Genetics, University of Pittsburgh, 2011. Title of Thesis: "Investigation of Genetic Association of *MMP10* with Dental Caries."
4. Wiener, R. Constance. Doctor of Philosophy, School of Public Health, West Virginia University, 2012. Title of Dissertation: "Epipathogenesis of Caries: Analyses of Family Structure, Fear, and Fatalism upon World Health Organization Decayed, Missing, and Filled Teeth Severity in Appalachia West Virginia and Pennsylvania."
5. Zheng, Xiaojing. Doctor of Philosophy, Department of Biostatistics, University of Pittsburgh, 2012. Title of Dissertation: "Statistical Methods and Analysis for Human Genetic Copy Number Variation and Homozygosity Mapping."
6. Ozbek, Umut. Doctor of Philosophy, Department of Biostatistics, University of Pittsburgh, 2013. Title of Dissertation: "Statistical Methods for Recovering GWAS Data."
7. Begum, Ferdouse. Doctor of Philosophy, Department of Biostatistics, University of Pittsburgh, 2013. Title of Dissertation: "GWAS Meta-Analysis: Methodology and Application to Human Meiotic Recombination."
8. Zeng, Zhen. Master of Science, Department of Human Genetics, University of Pittsburgh, 2014. Title of Thesis: "Genome-wide Association Studies of Pit and Fissure Surface Caries and Smooth Surface Caries in the Permanent Dentition."
9. Lewis, Deyana D. Doctor of Philosophy, Department of Human Genetics, University of Pittsburgh, 2015. Title of Dissertation: "Candidate Genes and Replication Studies of Dental Caries."
10. Mukhopadhyay, Nandita. Doctor of Philosophy, Department of Human Genetics, University of Pittsburgh, 2016. Title of Dissertation: "Computational Methods for Calculating Meiotic Recombination from Nuclear Pedigrees."
11. Ramadugu, Kirtana. Master of Public Health. Department of Epidemiology, University of Michigan, 2017. Title of Thesis: "*Streptococcus spp.* and *Candida albicans* Interactions in Postpartum Women from Appalachia."
12. Jiang, Wenwen. Master of Public Health, Department of Epidemiology, University of Michigan, 2017. Title of Thesis: "Identifying the Interaction between Oral Streptococci and Dental Caries."

13. Everman, Amanda. Master of Science, Department of Human Genetics, University of Pittsburgh, 2018. Title of Thesis: "Genome-Wide Association Study and Meta-Analysis of Missing Teeth and Functional Dentition."
14. Verbiar, Julia L. Master of Science, Genetic Counseling, Department of Human Genetics, University of Pittsburgh, 2018. Title of Thesis: "Genetics of the Relationship between Periodontitis and Cardiovascular Disease."
15. Zhou, Yuqiao (Jennifer). Ph.D. in Oral Biology, School of Dental Medicine, University of Pittsburgh, 2018. Title of dissertation: "Investigating the role of ER stress sensor IRE1 α in postnatal tooth development"
16. Bonner, Chantel Mariah. Master of Public Health, Department of Human Genetics, University of Pittsburgh, 2018. Title of Essay: "Assessing a relationship between birth weight and dental caries in children: Center for Oral Health Research in Appalachia."
17. Prasad, Joanne. Master of Public Health, Graduate School of Public Health, University of Pittsburgh, 2018. Title of Thesis: "Does drinking fluoridated water correlate with lower caries prevalence in Appalachian children?"
18. Azevedo, Alyssa. Master of Science, Genetic Counseling, Department of Human Genetics, University of Pittsburgh, 2019. Title of Thesis: "The influence of family functioning in adolescent dental caries."
19. Alotaibi, Rasha. Doctor of Philosophy, Department of Oral Biology, University of Pittsburgh, 2019. Title of Dissertation: "Genetic analyses of dental anomalies and dental caries in multiethnic populations."
20. Zhen Harry. Master of Public Health, University of Michigan School of Public Health, 2019. Title of Thesis: "Risk Factors for first antibiotic exposure in children under 2 years of age."
21. Martinez, Gladys. Master of Public Health, University of Michigan School of Public Health, 2019. Title of Thesis: "Dental caries and Diet Patterns."
22. Snell, Ariel. Master of Public Health, Graduate School of Public Health, University of Pittsburgh, 2020. Title of Thesis: "Association between a child's caries experience and the mother's perception of her child's oral health status."
23. Winter, Lauren A. Master of Science, Genetic Counseling, Department of Human Genetics, University of Pittsburgh, 2020. Title of Thesis: "Pregnancy Body Mass Index and its Relationship with Maternal and Fetal Health Outcomes in Rural Appalachia."
24. Nelson, Cecelia. Master of Science, Psychology, Department of Psychology, West Virginia University, 2019. Title of Thesis: "Effects of Appalachian Culture and Pregnancy Status on Pain-Related Fear."
25. Zou, Tianyu. Doctor of Philosophy, Graduate School of Public Health, University of Pittsburgh, 2022. Title of Dissertation: "Investigating the genetics of dental caries incidence, development over time, and variability."
26. Trivedi, Ami V. Multidisciplinary Master of Public Health, Graduate School of Public Health, University of Pittsburgh, in progress. Title of Thesis: "Mother's experience of conflict within their family social network when advocating for children's oral health."

STUDENT NIH GRANTS AND PROPOSALS:

1. Blostein, Freida. Environmental and Genetic Factors Contributing to the Development of the Early-Life Oral Microbiome and its Influence on Early Childhood Caries F31 DE029992, 9/1/20-8/31/23
2. Bhaumik, Deesha (submitted): 1 F31 DE032251-01 Social, Geospatial, and Policy Barriers Affecting Children's Oral Health Disparities
3. Brumbaugh, J (submitted): F31 Genetic Literacy and Attitudes about Genetic Testing in Appalachia

STUDENTS IN TRAINING:

1. Zou, Tianyu. Ph.D. Candidate in Human Genetics, Graduate School of Public Health. University of Pittsburgh, in process. Topic: "Investigating the genetics of dental caries incidence, development over time, and variability"
2. Orlova, Ekaterina. Ph.D. candidate in Human Genetics, Graduate School of Public Health, University of Pittsburgh, in process. Topic: Genome-wide analyses of EEC under a variety of definitions.
3. Sokoto, Kalo. Ph.D. candidate in Counseling Psychology, West Virginia University, in process. Topic: Relationships among racism, dental care-related fear/anxiety, and dental healthcare utilization among African Americans in Appalachia.
4. An, Jeongwi. M.S. candidate in Psychology, West Virginia University, in process. Topic: Effects of depression and stress on oral self-care among perinatal women in Appalachia.

PAPERS

LISTED IN RPPRS:

1. Slayton RL, Cooper ME, Marazita ML. Tuftelin, mutans streptococci, and dental caries susceptibility. *Journal of Dental Research* **84**(8): 711-714, 2005. doi: 10.1177/154405910508400805. PMID: 16040727
2. Deeley K, Letra A, Rose EK, Brandon CA, Resick JM, Marazita ML, Vieira AR. Possible association of *amelogenin* to high caries experience in a Guatemalan-Mayan population. *Caries Research* **42**(1): 8-13, 2008. doi: 10.1159/000111744, Epub November 27, 2007. PMID: 18042988; PMCID: PMC2814012
3. Vieira AR, Marazita, ML, Goldstein-McHenry T. Genome-wide scan finds suggestive caries loci. *Journal of Dental Research* **87**(5): 435-439, 2008. doi: 10.1177/154405910808700506. PMID: 18434572
4. Martin CA, McNeil DW, Crout RJ, Ngan PW, Weyant RJ, Heady HR, Marazita ML. Oral health disparities in Appalachia: orthodontic treatment need and demand. *Journal of the American Dental Association* **139**(5): 598-604, 2008. doi: 10.14219/jada.archive.2008.0221. PMID: 18451377
5. Polk DE, Weyant RJ, Crout RJ, McNeil DW, Tarter RE, Thomas JG, Marazita ML. Study protocol of

- the Center for Oral Health Research in Appalachia (COHRA) etiology study. *BioMed Central Oral Health* **8**:18, 2008. doi: 10.1186/1472-6831-8-18, Epub June 3, 2008. PMID: 18522740; PMCID: PMC2443132
6. Patir A, Seymen F, Yildirim M, Deeley K, Cooper ME, Marazita ML, Vieira AR. Enamel formation genes are associated with high caries experience in Turkish children. *Caries Research* **42**(5): 394-400, 2008. doi: 10.1159/000154785, Epub September 10, 2008. PMID: 18781068; NIHMSID: 186523; PMCID: PMC2820320
 7. Wang X, Kammerer CM, Anderson S, Lu J, Feingold E. A comparison of principal component analysis and factor analysis strategies for uncovering pleiotropic factors. *Genetic Epidemiology* **33**(4): 325-331, 2009. doi: 10.1002/gepi.20384, Epub December 1, 2008. PMID: 19048641; NIHMSID: 264472 PMCID: PMC3042259
 8. Zhang L, Foxman B, Drake DR, Srinivasan U, Henderson J, Olson B, Marrs, CF, Warren JJ, Marazita ML. Comparative whole-genome analysis of *Streptococcus mutans* isolates within and among individuals of different caries status. *Oral Microbiology and Immunology* **24**(3): 197-203, 2009. doi: 10.1111/j.1399-302X.2008.00495.x, Epub April 14, 2009. PMID: 19416448; PMCID: PMC2744306
 9. Wise JL, Crout RJ, McNeil DW, Weyant RJ, Marazita ML, Wenger SL. Cryptic subtelomeric rearrangements and X chromosome mosaicism: a study of 565 apparently normal individuals with fluorescent in situ hybridization. *PLoS ONE* **4**(6): e5855, 2009. doi: 10.1371/journal.pone.0005855, Epub June 10, 2009. PMID: 19516895; PMCID: PMC2688762
 10. Wise JL, Crout RJ, McNeil DW, Weyant RJ, Marazita ML, Wenger SL. Human telomere length correlates to the size of the associated chromosome arm. *PLoS ONE* **4**(6): e6013, 2009. doi:10.1371/journal.pone.0006013, Epub June 23, 2009. PMID: 19547752; PMCID: PMC2695537
 11. Srinivasan U, Misra D, Marazita ML, Foxman B. Vaginal and oral microbes, host genotype and preterm birth. *Medical Hypotheses* **73**(6): 963-75, 2009. doi: 10.1016/j.mehy.2009.06.017. PMID: 19942083; PMCID: PMC4026093
 12. Wang X, Shaffer JR, Weyant RJ, Cuenco KT, DeSensi RS, Crout R, McNeil DW, Marazita ML. Genes and their effects on dental caries may differ between primary and permanent dentitions. *Caries Research* **44**(3): 277-284, 2010. doi: 10.1159/000314676, Epub May 27, 2010. PMID: 20516689; PMCID: PMC2919434
 13. Wendell S, Wang X, Brown M, Cooper ME, DeSensi RS, Weyant RJ, Crout R, McNeil DW, Marazita ML. Taste genes associated with dental caries. *Journal of Dental Research* **89**(11): 1198-1202, 2010. doi: 10.1177/0022034510381502, Epub September 21, 2010. PMID: 20858777; NIHMSID: 212837; PMCID: PMC2954250
 14. Foxman B, Goldberg D. Why the human microbiome project should motivate epidemiologists to learn ecology. *Epidemiology* **21**(6): 757-759, 2010. doi: 10.1097/EDE.0b013e3181f4e1f9. PMID: 20924228; NIHMSID: 266121; PMCID: PMC3715124
 15. Hill WG, Weir BS. Variation in actual relationship as a consequence of Mendelian sampling and linkage. *Genetics Research (Cambridge)* **93**(1): 47-64, 2011. doi: 10.1017/S0016672310000480 Epub January 12, 2011. PMID: 21226974; NIHMSID: 264470; PMCID: PMC3070763

16. Bennett SN, Caporaso N, Fitzpatrick AL, Agrawal A, Barnes K, Boyd HA, Cornelis MC, Hansel NN, Heiss G, Heit JA, Kang JH, Kittner SJ, Kraft P, Lowe W, Marazita ML, Monroe KR, Pasquale LR, Ramos EM, van Dam RM, Udren J, Williams K for the GENEVA Consortium. Phenotype harmonization and cross-study collaboration in GWAS consortia: the GENEVA experience. *Genetic Epidemiology* **35**(3): 159-173, 2011. doi: 10.1002/gepi.20564, Epub January 31, 2011. PMID: 21284036; PMCID: PMC3055921
17. Olson JC, Cuff CF, Lukomski S, Lukomska E, Canizales Y, Wu B, Crout RJ, Thomas JG, McNeil DW, Weyant RJ, Marazita ML, Paster BJ, Elliott T. Use of 16S ribosomal RNA gene analyses to characterize the bacterial signature associated with poor oral health in West Virginia. *BioMed Central Oral Health* **11**(1): 7, 2011. doi:10.1186/1472-6831-11-7, Epub March 1, 2011. PMID: 21362199; PMCID: PMC3061962
18. Larjava H, Koivisto L, Häkkinen L, Heino J. Epithelial integrins with special reference to oral epithelia. *Journal of Dental Research* **90**(12): 1367-1376, 2011. doi: 10.1177/0022034511402207. Epub March 25, 2011. PMID: 21441220; PMCID: PMC3215754
19. Vieira AR, Deeley KB, Callahan NF, Noel JB, Anjomshoaa I, Carricato WM, Schulhof LP, DeSensi RS, Gandhi P, Resick JM, Brandon CA, Rozhon C, Patir A, Yildirim M, Poletta FA, Mereb JC, Letra A, Menezes R, Wendell S, Lopez-Camelo JS, Castilla EE, Orioli IM, Seymen F, Weyant RJ, Crout R, McNeil DW, Modesto A, Marazita ML. Detection of *Streptococcus mutans* genomic DNA in human DNA samples extracted from saliva and blood. *International Scholarly Research Network Dentistry* Article ID 543561, 6 pages, 2011. doi:10.5402/2011/543561, Epub April 10, 2011. PMID: 21731912; PMCID: PMC3128887
20. Jindal A, McMeans M, Narayanan S, Rose EK, Jain S, Marazita ML, Menezes R, Letra A, Carvalho FM, Brandon CA, Resick JM, Mereb JC, Poletta FC, Lopez-Camelo JS, Castilla EE, Orioli IM, Vieira AR. Women are more susceptible to caries but individuals born with clefts are not. *International Journal of Dentistry* Article ID 454532, 6 pages, 2011. doi:10.1155/2011/454532, Epub June 8, 2011. PMID: 21747859; PMCID: PMC3124302
21. Geller F, Feenstra B, Zhang H, Shaffer JR, Hansen T, Esserlind AL, Boyd HA, Nohr EA, Timpson NJ, Fatemifar G, Paternoster L, Evans DM, Weyant RJ, Levy SM, Lathrop M, Smith GD, Murray JC, Olesen J, Werge T, Marazita ML, Sørensen TIA, Melbye M. Genome-wide association study identifies four loci associated with eruption of permanent teeth. *PLoS Genetics* **7**(9): e1002275, 2011. doi:10.1371/journal.pgen.1002275, Epub September 8, 2011. PMID: 21931568; PMCID: PMC3169538
22. Shaffer JR, Wang X, Feingold E, Lee M, Begum F, Weeks DE, T.Cuenco K, Barmada MM, Wendell SK, Crosslin DR, Laurie CC, Doheny KF, Pugh EW, Zhang Q, Feenstra B, Geller F, Boyd HA, Zhang H, Melbye M, Murray JC, Weyant RJ, Crout R, McNeil DW, Levy SM, Slayton RL, Willing MC, Broffitt B, Vieira AR, Marazita ML. Genome-wide association scan for childhood caries implicates novel genes. *Journal of Dental Research* **90**(12): 1457-1462, 2011. doi: 10.1177/0022034511422910, Epub September 21, 2011. PMID: 21940522; PMCID: PMC3215757

Recipient of the 2013 IADR/AADR William J. Gies Award for Biological Research.

23. Schwender H, Taub MA, Beaty TH, Marazita ML, Ruczinski I. Rapid testing of SNPs and gene-environment interactions in case-parent trio data based on exact analytic parameter estimation. *Biometrics* **68**(3): 766-776, 2012. doi: 10.1111/j.1541-0420.2011.01713.x, Epub December 7, 2011. PMID: 22150644; PMCID: PMC3387527

24. Oliver TR, Tinker SW, Allen EG, Hollis M, Locke AE, Bean LJH, Chowdhury R, Begum F, Marazita M, Cheung V, Feingold E, Sherman SL. Altered patterns of multiple recombinant events are associated with nondisjunction of chromosome 21. *Human Genetics* **131**(7): 1039-1046, 2012. doi: 10.1007/s00439-011-1121-7, Epub December 9, 2011. PMID: 22160426; PMCID: PMC3925977
25. Begum F, Ghosh D, Tseng GC, Feingold E. Comprehensive literature review and statistical considerations for GWAS meta-analysis. *Nucleic Acids Research* **40**(9): 3777-3784, 2012. doi: 10.1093/nar/gkr1255, Epub January 12, 2012. PMID: 22241776; PMCID: PMC3351172
26. Tseng GC, Ghosh D, Feingold E. Comprehensive literature review and statistical considerations for microarray meta-analysis. *Nucleic Acids Research* **40**(9): 3785-3799, 2012. doi: 10.1093/nar/gkr1265, Epub January 19, 2012. PMID: 22262733; PMCID: PMC3351145
27. Shaffer JR, Wang X, DeSensi RS, Wendell S, Weyant RJ, T.Cuenco K, Crout R, McNeil DW, Marazita ML. Genetic susceptibility to dental caries on pit and fissure and smooth surfaces. *Caries Research* **46**(1): 38-46, 2012. doi: 10.1159/000335099, Epub January 25, 2012. PMID: 22286298; PMCID: PMC3304515
28. Agrawal A, Freedman ND, Cheng YC, Lin P, Shaffer JR, Sun Q, Taylor K, Yaspan B, Cole JW, Cornelis MC, DeSensi RS, Fitzpatrick A, Heiss G, Kang JH, O'Connell J, Bennett S, Bookman E, Bucholz KK, Caporaso N, Crout R, Dick DM, Edenberg HJ, Goate A, Hesselbrock V, Kittner S, Kramer J, Nurnberger Jr JI, Qi L, Rice JP, Schuckit M, van Dam RM, Boerwinkle E, Hu F, Levy S, Marazita M, Mitchell BD, Pasquale LR, Bierut LJ, for the GENEVA Consortium. Measuring alcohol consumption for genomic meta-analyses of alcohol intake: opportunities and challenges. *American Journal of Clinical Nutrition* **95**(3): 539-547, 2012. doi: 10.3945/ajcn.111.015545, Epub February 1, 2012. PMID: 22301922; PMCID: PMC3278237
29. Shaffer JR, Feingold E, Wang X, T.Cuenco K, Weeks DE, DeSensi RS, Polk DE, Wendell S, Weyant RJ, Crout R, McNeil DW, Marazita ML. Heritable patterns of tooth decay in the permanent dentition: principal components and factor analyses. *BioMed Central Oral Health* **12**: 7, 2012. doi: 10.1186/1472-6831-12-7, Epub March 9, 2012. PMID: 22405185; PMCID: PMC3328249
30. Zheng X, Shaffer JR, McHugh CP, Laurie CC, Feenstra B, Melbye M, Murray JC, Marazita ML, Feingold E. Using family data as a verification standard to evaluate copy number variation calling strategies for genetic association studies. *Genetic Epidemiology* **36**(3): 253-262, 2012. doi: 10.1002/gepi.21618, Epub April 24, 2012. PMID: 22714937; PMCID: PMC3696390
31. Shaffer JR, Feingold E, Marazita ML. Genome-wide association studies: prospects and challenges for oral health. *Journal of Dental Research* **91**(7): 637-641, 2012. doi: 10.1177/0022034512446968, Epub May 4, 2012. PMID: 22562461; PMCID: PMC3383848
32. Laurie CC, Laurie CA, Rice K, Doheny KF, Zelnick LR, McHugh CP, Ling H, Hetrick KN, Pugh EW, Amos C, Wei Q, Wang L, Lee JE, Barnes KC, Hansel NN, Mathias R, Daley D, Beaty TH, Scott AF, Ruczinski I, Scharpf RB, Bierut LJ, Hartz SM, Landi MT, Freedman ND, Goldin LR, Ginsburg D, Li J, Desch KC, Strom, S, Blot WJ, Signorello LB, Ingles SA, Chanock SJ, Berndt SI, Marchand LL, Henderson BE, Monroe KR, Heit JA, de Andrade M, Armasu SM, Regnier C, Lowe WL, Hayes MG, Marazita ML, Feingold E, Murray JC, Melbye M, Feenstra B, Kang JH, Wiggs JL, Jarvik GP, McDavid AN, Seshan VE, Mirel DB, Crenshaw A, Sharopova N, Wise A, Shen J, Crosslin DR, Levine DM, Zheng X, Udren JI, Bennett S, Nelson SC, Gogarten SM, Conomos MP, Heagerty P, Manolio T, Pasquale LR, Haiman CA, Caporaso N, Weir BS. Detectable clonal mosaicism from

- birth to old age and its relationship to cancer. *Nature Genetics* **44**(6): 642-650, 2012. doi:10.1038/ng.2271, Epub May 6, 2012. PMID: 22561516; PMCID: PMC3366033
33. Wen A, Goldberg D, Marrs CF, Weyant RJ, Marazita ML, Srinivasan U, Zhang L, Crout R, McNeil DW, Foxman B. Caries resistance as a function of age in an initially caries-free population. *Journal of Dental Research* **91**(7): 671-675, 2012. doi: 10.1177/0022034512450174, Epub June 5, 2012. PMID: 22668596; PMCID: PMC3383851
 34. Hartz SM, Short S, Saccone NL, Culverhouse R, Chen L, Schwantes-An T, Coon H, Han Y, Stephens SH, Sun J, Chen X, Ducci F, Frank J, Geller F, Guðbjartsson D, Hansel N, Jiang C, Keskitalo-Vuokko K, Liu J, Lyytikäinen L, Michel M, Rosenberger A, Scheet P, Shaffer JR, Teumer A, Thompson JR, Vink JM, Vogelzangs N, Wenzlaff A, Wheeler W, Xiangjun X, Yang B, Aggen SH, Balmforth A, Baumeister S, Beaty T, Bennett S, Bergen A, Boyd H, Broms U, Campbell H, Chatterjee N, Cheng J, Cheng Y, Cichon S, Couper D, Cucca F, Dick D, Foroud T, Furberg H, Giegling I, Gu F, Hall AS, Hällfors J, Han S, Hartmann AM, Hayward C, Heikkilä K, Hottenga JJ, Jousilahti P, Kaakinen M, Kittner S, Konte B, Korhonen T, Landi M, Laatikainen T, Leppert M, Levy SM, Mathias R, McNeil DW, Medland S, Montgomery G, Murray T, Nauck M, North K, Peltonen L, Pergadia M, Polasek O, Ramos E, Ripatti S, Risch A, Ruczinski I, Rudan I, Salomaa V, Schlessinger D, Styrkársdóttir U, Terracciano A, Uda M, Willemsen G, Wilson J, Abecasis G, Barnes K, Bickeböller H, Boerwinkle E, Boomsma DI, Caporaso N, Duan J, Edenberg HJ, Francks C, Gejman PV, Gelernter J, Grabe HJ, Hops H, Jarvelin M-R, Jorma V, Kähönen M, Kendler KS, Lehtimäki T, Levinson DF, Marazita ML, Marchini J, Melbye M, Mitchell B, Murray JC, Nöthen MM, Penninx BW, Raitakari O, Rietschel M, Rujescu D, Samani NJ, Sanders AR, Schwartz A, Shete S, Shi J, Spitz M, Stefansson K, Swan G, Thorgeirsson T, Veijola J, Völzke H, Wei Q, Wichmann E, Amos C, Breslau N, Cannon D, Ehringer M, Gruzca R, Hatsukami D, Heath A, Johnson EO, Kaprio J, Madden P, Martin NG, Stevens V, Stitzel JA, Weiss RB, Kraft P, Bierut LJ. Increased genetic vulnerability to smoking at *CHRNA5* in early-onset smokers. *Archives of General Psychiatry* **69**(8): 854-860, 2012. doi: 10.1001/archgenpsychiatry.2012.124, 2012. PMID: 22868939; PMCID: PMC3482121
 35. Polk DE, Wang X, Feingold E, Shaffer JR, Weeks DE, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Effects of smoking and genotype on the PSR index of periodontal disease in adults aged 18 – 49. *International Journal of Environmental Research and Public Health* **9**(8): 2839-2850, 2012. doi:10.3390/ijerph9082839, Epub August 10, 2012. PMID: 23066400; PMCID: PMC3447590
 36. Shaffer JR, Feingold E, Wang X, Weeks DE, Weyant RJ, Crout R, McNeil DW, Marazita ML. Clustering tooth surfaces into biologically-informative caries outcomes. *Journal of Dental Research* **92**(1): 32-37, 2013. doi: 10.1177/0022034512463241, Epub October 11, 2012. PMID: 23064960; PMCID: PMC3521447
 37. Shaffer JR, Feingold E, Wang X, Lee M, T.Cuenco K, Weeks DE, Weyant RJ, Crout R, Daniel W, McNeil DW, Marazita ML. GWAS of dental caries patterns in the permanent dentition. *Journal of Dental Research* **92**(1): 38-44, 2013. doi: 10.1177/0022034512463579, Epub October 11, 2012. PMID: 23064961; PMCID: PMC3521449
 38. Shaffer JR, Polk DE, Feingold E, Wang X, Cuenco KT, Weeks DE, DeSensi RS, Weyant RJ, Crout R, McNeil DW, Marazita ML. Demographic, socioeconomic, and behavioral factors affecting patterns of tooth decay in the permanent dentition: principal components and factor analyses. *Community Dentistry and Oral Epidemiology* **41**(4): 364-373, 2013. doi: 10.1111/cdoe.12016, 2012, Epub October 29, 2012. PMID: 23106439; PMCID: PMC3568445
 39. Wang X, Shaffer JR, Zeng Z, Begum F, Vieira AR, Noel J, Anjomshoa I, Cuenco KT, Lee MK, Beck

- J, Boerwinkle E, Cornelis MC, Hu FB, Crosslin DR, Laurie CC, Nelson SC, Doheny KF, Pugh EW, Polk DE, Weyant RJ, Crout R, McNeil DW, Weeks DE, Feingold E, Marazita ML. Genome-wide association scan of dental caries in the permanent dentition. *BioMed Central Oral Health* **12**(1): 57, 2012. doi: 10.1186/1472-6831-12-57, Epub December 12, 2012. PMID: 23259602; PMCID: PMC3574042
40. Foxman B, Rosenthal M. Implications of the Human Microbiome Project for epidemiology. *American Journal of Epidemiology* **177**(3): 197-201, 2013. doi: 10.1093/aje/kws449, Epub January 7, 2013. PMID: 23296358; PMCID: PMC3626050
41. Zeng Z, Shaffer JR, Wang X, Feingold E, Weeks DE, Lee M, Cuenco KT, Wendell SK, Weyant RJ, Crout R, McNeil DW, Marazita ML. Genome-wide association studies of pit-and-fissure- and smooth-surface caries in permanent dentition. *Journal of Dental Research* **92**(5): 432-437, 2013. doi: 10.1177/0022034513481976, Epub March 7, 2013. PMID: 23470693; PMCID: PMC3627505
42. Graff M, Ngwa JS, Workalemahu T, Homuth G, Schipf S, Teumer A, Völzke H, Wallaschofski H, Abecasis GR, Edward L, Francesco C, Sanna S, Scheet P, Schlessinger D, Sidore C, Xiao X, Wang Z, Chanock SJ, Jacobs KB, Hayes RB, Hu F, Van Dam RM; The GIANT Consortium, Crout RJ, Marazita ML, Shaffer JR, Atwood LD, Fox CS, Heard-Costa NL, White C, Choh AC, Czerwinski SA, Demerath EW, Dyer TD, Towne B, Amin N, Oostra BA, Van Duijn CM, Zillikens MC, Esko T, Nelis M, Nikopensius T, Metspalu A, Strachan DP, Monda K, Qi L, North KE, Cupples LA, Gordon-Larsen P, Berndt SI. Genome-wide analysis of BMI in adolescents and young adults reveals additional insight into the effects of genetic loci over the life course. *Human Molecular Genetics* **22**(17): 3597-3607, 2013. doi: 10.1093/hmg/ddt205, Epub May 12, 2013. PMID: 23669352; PMCID: PMC3736869
43. Morrison J. Characterization and correction of error in genome-wide IBD estimation for samples with population structure. *Genetic Epidemiology* **37**(6): 635-641, 2013. doi: 10.1002/gepi.21737. Epub June 5, 2013. PMID: 23740691; NIHMSID: NIHMS563805; PMCID: PMC4001853
44. Wang Q, Jia P, Cuenco KT, Zeng Z, Feingold E, Marazita ML, Wang L, Zhao Z. Association signals unveiled by a comprehensive gene set enrichment analysis of dental caries genome-wide association studies. *PLoS ONE* **8**(8):e72653, August 14, 2013. doi: 10.1371/journal.pone.0072653. PMID: 23967329; PMCID: PMC3743773
45. Randall CL, McNeil DW, Crout RJ, Weyant RJ, Marazita ML Collecting psychosocial self-report data in oral health research: Impact of literacy level and computerised administration. *Social Science and Dentistry* **2**(2): 80-87, 2013. PMID: 26306161; NIHMSID: NIHMS574550; PMCID: PMC4545655
46. Middlebrooks CD, Mukhopadhyay N, Tinker SW, Allen EG, Bean LJ, Begum F, Chowdhury R, Cheung V, Doheny K, Adams M, Feingold E, Sherman SL. Evidence for dysregulation of genome-wide recombination in oocytes with nondisjoined chromosomes 21. *Human Molecular Genetics* **23**(2): 408-17, 2014. doi: 10.1093/hmg/ddt433. Epub September 6, 2013. PMID: 24014426; PMCID: PMC3869361
47. Foxman B, Srinivasan U, Wen A, Zhang L, Marrs CF, Goldberg D, Weyant R, McNeil D, Crout R, Marazita M. Exploring the effect of dentition, dental decay and familiarity on oral health using metabolomics. *Infection, Genetics and Evolution* **22**: 201-207, 2014. doi: 10.1016/j.meegid.2013.09.020, Epub September 27, 2013. PMID: 24080168; PMCID: PMC3943654
48. Wang Q, Jia P, T. Cuenco K, Feingold E, Marazita ML, Wang L, and Zhao Z. Multi-dimensional

- prioritization of dental caries candidate genes and its enriched dense network modules. *PLoS ONE* **8**(10): e76666, October 11, 2013. doi: 10.1371/journal.pone.0076666. PMID: 24146904; PMCID: PMC3795720
49. Stephens SH, Hartz SM, Hoft NR, Saccone NL, Corley RC, Hewitt JK, Hopfer CJ, Breslau N, Coon H, Chen X, Ducci F, Dueker N, Franceschini N, Frank J, Han Y, Hansel NN, Jiang C, Korhonen T, Lind PA, Liu J, Lyytikäinen LP, Michel M, Shaffer JR, Short SE, Sun J, Teumer A, Thompson JR, Vogelzangs N, Vink JM, Wenzlaff A, Wheeler W, Yang BZ, Aggen SH, Balmforth AJ, Baumeister SE, Beaty TH, Benjamin DJ, Bergen AW, Broms U, Cesarini D, Chatterjee N, Chen J, Cheng YC, Cichon S, Couper D, Cucca F, Dick D, Foroud T, Furberg H, Giegling I, Gillespie NA, Gu F, Hall AS, Hällfors J, Han S, Hartmann AM, Heikkilä K, Hickie IB, Hottenga JJ, Jousilahti P, Kaakinen M, Kähönen M, Koellinger PD, Kittner S, Konte B, Landi MT, Laatikainen T, Leppert M, Levy SM, Mathias RA, McNeil DW, Medland SE, Montgomery GW, Murray T, Nauck M, North KE, Paré PD, Pergadia M, Ruczinski I, Salomaa V, Viikari J, Willemsen G, Barnes KC, Boerwinkle E, Boomsma DI, Caporaso N, Edenberg HJ, Francks C, Gelernter J, Grabe HJ, Hops H, Jarvelin MR, Johannesson M, Kendler KS, Lehtimäki T, Magnusson PKE, Marazita ML, Marchini J, Mitchell BD, Nöthen MM, Penninx BW, Raitakari O, Rietschel M, Rujescu D, Samani NJ, Schwartz AG, Shete S, Spitz M, Swan GE, Völzke H, Veijola J, Wei Q, Amos C, Cannon DS, Grucza R, Hatsukami D, Heath A, Johnson EO, Kaprio J, Madden P, Martin NG, Stevens VL, Weiss RB, Kraft P, Bierut LJ, Ehringer MA. Distinct loci in the *CHRNA5/CHRNA3/CHRNA4* gene cluster are associated with onset of regular smoking. *Genetic Epidemiology* **37**(8): 846-859, 2013. doi: 10.1002/gepi.21760, Epub November 1, 2013. PMID: 24186853; PMCID: PMC3947535
 50. Shaffer JR, Polk DE, Wang X, Feingold E, Weeks DE, Lee MK, T Cuenco K, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Genome-wide association study of periodontal health measured by probing depth in adults aged 18-49 years. *G3: Genes, Genomes, Genetics* **4**(2): 307-314, 2013. doi: 10.1534/g3.113.008755, Epub December 17, 2013. PMID: 24347629; PMCID: PMC3931564.
 51. Yang J, Zhu W, Chen J, Zhang Q, Wu S. Genome-wide two-marker linkage disequilibrium mapping of quantitative trait loci. *BioMed Central Genetics* **15**:20, 2014. doi:10.1186/1471-2156-15-20, Epub February 8, 2014. PMID: 24507412; PMCID: PMC4015628
 52. Laurie CC, Laurie CA, Smoley SA, Carlson EE, Flinn I, Fridley BL, Greisman HA, Gribben JG, Jelinek DF, Nelson SC, Paietta E, Schaid D, Sun Z, Tallman MS, Weinshilboum R, Kay NE, Shanafelt TD. Acquired chromosomal anomalies in chronic lymphocytic leukemia patients compared with more than 50,000 quasi-normal participants. *Cancer Genetics* **207**(1-2): 19-30, 2014. doi: 10.1016/j.cancergen.2014.01.004. Epub January 17, 2014. PMID: 24613276; PMCID: PMC4074414
 53. Zeng Z, Feingold E, Wang X, Weeks DE, Lee M, T.Cuenco K, Broffitt B, Weyant RJ, Crout R, McNeil DW, Levy SM, Marazita ML, Shaffer JR. Genome-wide association study of primary dentition pit and fissure and smooth surface caries. *Caries Research* **48**(4): 330-338, 2014. doi: 10.1159/000356299, Epub February 18, 2014. PMID: 24556642; NIHMSID 571220; PMCID: PMC4043868
 54. Stanley BOC, Feingold E, Cooper M, Vanyukov MM, Maher BS, Slayton RL, Willing MC, Reis SE, McNeil DW, Crout RJ, Weyant RJ, Levy SM, Vieira AR, Marazita ML, Shaffer JR. Genetic association of MPPED2 and ACTN2 with dental caries. *Journal of Dental Research* **93**(7): 626-632, 2014. doi: 10.1177/0022034514534688. Epub May 8, 2014. PMID: 24810274; PMCID: PMC4107549
 55. Vieira AR, Modesto A, Marazita ML. Caries: review of human genetics research. *Caries Research*

- 48(5): 491-506, 2014. doi: 10.1159/000358333, Epub May 21, 2014. PMID: 24853115; NIHMSID: NIHMS571222; PMCID: PMC4167926
56. Randall CL, Shulman GP, Crout RJ, McNeil DW. Gagging and its associations with dental care-related fear, fear of pain and beliefs about treatment. *Journal of the American Dental Association* **145**(5): 452-458, 2014. doi: 10.14219/JADA.2013.50. PMID: 24789238; NIHMSID: NIHMS574564; PMCID: PMC4260617
57. Casamassimo PS, Lee JY, Marazita ML, Milgrom P, Chi DL, Divaris K. Improving children's oral health: an interdisciplinary research framework. *Journal of Dental Research* **93**(10): 938-942, 2014. doi: 10.1177/0022034514547273. Epub August 13, 2014. PMID: 25122218; PMCID: PMC4212323
58. Duverger O, Ohara T, Shaffer JR, Donahue D, Zerfas P, Dullnig A, Crecelius C, Beniash E, Marazita ML, Morasso MI. Hair keratin mutations in tooth enamel increase dental decay risk. *The Journal of Clinical Investigation* **124**(12): 5219-5224, 2014. doi: 10.1172/JCI78272, Epub October 27, 2014. PMID: 25347471; PMCID: PMC4348957
59. Shaffer JR, Carlson JC, Stanley BOC, Feingold E, Cooper M, Vanyukov MM, Maher BS, Slayton RL, Willing MC, Reis SE, McNeil DW, Crout RJ, Weyant RJ, Levy SM, Vieira AR, Marazita ML. Effects of enamel matrix genes on dental caries are moderated by fluoride exposures. *Human Genetics* **134**(2): 159-167, 2015. doi: 10.1007/s00439-014-1504-7, Epub Nov 6, 2014. PMID: 25373699; PMCID: PMC4293346
60. Shaffer JR, Wang X, McNeil DW, Weyant RJ, Crout R, Marazita ML. Genetic susceptibility to dental caries differs between the sexes: a family-based study. *Caries Research* **49**(2): 133-40, 2015. doi: 10.1159/000369103, Epub January 22, 2015. PMID: 25612913; PMCID: PMC4449725
61. Machiela MJ, Zhou W, Sampson JN, Dean MC, Jacobs KB, Black A, Brinton LA, Chang IS, Chen C, Chen C, Chen K, Cook LS, Crous Bou M, De Vivo I, Doherty J, Friedenreich CM, Gaudet MM, Haiman CA, Hankinson SE, Hartge P, Henderson BE, Hong YC, Hosgood HD III, Hsiung CA, Hu W, Hunter DJ, Jessop L, Kim HN, Kim YH, Kim YT, Klein R, Kraft P, Lan Q, Lin D, Liu J, Le Marchand L, Liang X, Lissowska J, Lu L, Magliocco AM, Matsuo K, Olson SH, Orlow I, Park JY, Pooler L, Prescott J, Rastogi R, Risch HA, Schumacher F, Seow A, Setiawan VW, Shen H, Sheng X, Shin MH, Shu XO, VanDen Berg D, Wang JC, Wentzensen N, Wong MP, Wu C, Wu T, Wu YL, Xia L, Yang HP, Yang PC, Zheng W, Zhou B, Abnet CC, Albanes D, Aldrich MC, Amos C, Amundadottir LT, Berndt SI, Blot WJ, Bock CH, Bracci PM, Burdett L, Buring JE, Butler MA, Carreón T, Chatterjee N, Chung CC, Cook MB, Cullen M, Davis FG, Ding T, Duell EJ, Epstein CG, Fan JH, Figueroa JD, Fraumeni JF Jr, Freedman ND, Fuchs CS, Gao YT, Gapstur SM, Patiño-García A, García-Closas M, Gaziano JM, Giles GG, Gillanders EM, Giovannucci EL, Goldin L, Goldstein AM, Greene MH, Hallman G, Harris CC, Henriksson R, Holly EA, Hoover RN, Hu N, Hutchinson A, Jenab M, Johansen C, Khaw KT, Koh WP, Kolonel LN, Kooperberg C, Krogh V, Kurtz RC, LaCroix A, Landgren A, Landi MT, Li D, Liao LM, Malats N, McGlynn KA, McNeill LH, McWilliams RR, Melin BS, Mirabello L, Peplonska B, Peters U, Petersen GM, Prokunina-Olsson L, Mark Purdue M, Qiao YL, Rabe KG, Rajaraman P, Real FX, Riboli E, Rodriguez-Santiago B, Rothman N, Ruder AM, Savage SA, Schwartz AG, Schwartz KL, Sesso HD, Severi G, Silverman DT, Spitz MR, Stevens VL, Stolzenberg-Solomon R, Stram D, Tang ZZ, Taylor PR, Teras LR, Tobias GS, Viswanathan K, Wacholder S, Wang Z, Weinstein SJ, Wheeler W, White E, Wiencke JK, Wolpin BM, Wu X, Wunder JS, Yu K, Zanetti KA, Zeleniuch-Jacquotte A, Ziegler RG, de Andrade M, Barnes KC, Beaty TH, Bierut LJ, Desch KC, Doheny KF, Feenstra B, Ginsburg D, Heit JA, Kang JH, Laurie CA, Li JZ, Lowe WL, Marazita ML, Melbye M, Mirel DB, Murray JC, Nelson SC, Pasquale LR, Rice K, Wiggs JL, Wise A, Tucker M, Perez-Jurado LA, Laurie CC, Caporaso NE, Yeager M, Chanock SJ.

- Characterization of large structural genetic mosaicism in human autosomes. *American Journal of Human Genetics* **96**(3): 487-497, 2015. doi: 10.1016/j.ajhg.2015.01.011, March 5, 2015. PMID: 25748358; PMCID: PMC4375431
62. Younkin SG, Scharpf RB, Schwender H, Parker MM, Scott AF, Marazita ML, Beaty TH, Ruczinski I. A genome-wide study of inherited deletions identified two regions associated with nonsyndromic isolated oral clefts. *Birth Defects Research A: Clinical Molecular Teratology* **103**(4):276-283, 2015. doi: 10.1002/bdra.23362, Epub 2015 Mar 16, 2015. PMID: 25776870; PMCID: PMC4415613
 63. Wiener RC, Wiener MA, McNeil DW. Comorbid depression/anxiety and teeth removed: Behavioral Risk Factor Surveillance system 2010. *Community Dentistry and Oral Epidemiology* **43**(5): 433-443, 2015. doi: 10.1111/cdoe.12168, Epub May 13, 2015. PMID: 25970143; PMCID: PMC4568997
 64. Neiswanger K, McNeil DW, Foxman B, Govil M, Cooper ME, Weyant RJ, Shaffer JR, Crout RJ, Simhan HN, Beach SR, Chapman S, Zovko JG, Brown LJ, Strotmeyer SJ, Maurer JL, Marazita ML. Oral health in a sample of pregnant women from northern Appalachia (2011-2015). *International Journal of Dentistry*, 2015, Article ID 469376, 12 pages. doi: 10.1155/2015/469376, Epub May 18, 2015. PMID: 26089906; PMCID: PMC4451284
 65. Shaffer JR, Leslie EJ, Feingold E, Govil M, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Caries experience differs between females and males across age groups in northern Appalachia. *International Journal of Dentistry*, 2015, Article ID 938213, 8 pages. doi: 10.1155/2015/938213, Epub May 27, 2015. PMID: 26106416; PMCID: PMC4461765
 66. Shungin D, Cornelis MC, Divaris K, Holtfreter B, Shaffer JR, Yu YH, Barros, SP, Beck JD, Reiner Biffar R, Boerwinkle EA, Crout RJ, Ganna A, Hallmans G, Hindy G, Hu FB, Kraft P, McNeil DW, Melander O, Moss KL, North KE, Orho-Melander M, Pedersen NL, Ridker PM, Rimm EB, Rose LM, Rukh G, Teumer A, Weyant RJ, Chasman DI, Joshipura K, Kocher T, Magnusson PKE, Marazita ML, Nilsson P, Offenbacher S, Smith GD, Lundberg P, Palmer TM, Timpson NJ, Johansson I, Franks PW. Using genetics to test the causal relationship of total adiposity and periodontitis: Mendelian randomization analyses in the Gene-Lifestyle Interactions and Dental Endpoints (GLIDE) Consortium. *International Journal of Epidemiology* **44**(2): 638–650, 2015. doi: 10.1093/ije/dyv075, Epub June 6, 2015. PMID: 26050256; PMCID: PMC4817600
 67. Wiener RC. Relationship of edentulism, sleep disordered breathing and cardiovascular disease: NHANES, 2007-2008. *Cardiology and Angiology: An International Journal* **3**(4):167-174, 2015. doi: 10.9734/CA/2015/17944. PMID: 26213710; PMCID: PMC4511125
 68. McNeil DW, Hayes SE, Randall CL, Polk DE, Neiswanger K, Shaffer JR, Weyant RJ, Foxman B, Kao E, Crout RJ, Chapman S, Brown LJ, Maurer JL, Marazita ML. Depression and rural environment are associated with poor oral health among pregnant women in northern Appalachia. *Behavior Modification* **40**(1-2): 325-340, 2016. doi: 10.1177/0145445515615353, Epub December 7, 2015. PMID: 26643277; NIMHSID: NIHMS758511; PMCID: PMC4893820
 69. Begum F, Sharker MH, Sherman SL, Tseng GC, Feingold E. Regionally smoothed meta-analysis methods for GWAS datasets. *Genetic Epidemiology* **40**(2): 154-160, 2016. doi: 10.1002/gepi.21949. Epub December 28, 2015. PMID: 26707090; PMCID: PMC4724289
 70. Zeng Z, Weeks DE, Chen W, Mukhopadhyay N, Feingold E. A pipeline for classifying relationships using dense SNP/SNV data and putative pedigree information. *Genetic Epidemiology* **40**(2): 161-171, 2016. doi: 10.1002/gepi.21948. Epub December 28, 2015. PMID: 26709242; NIHMSID:

NIHMS833038; PMCID: PMC5146993

71. Foxman B, Luo T, Srinivasan U, Ramadugu K, Wen A, Goldberg D, Shedden K, Crout R, McNeil DW, Weyant R, Marazita ML. The effects of family, dentition and dental caries on the salivary microbiome. *Annals of Epidemiology* **26**(5): 348-354, 2016. doi: 10.1016/j.annepidem.2016.03.006. Epub April 9, 2016. PMID: 27157862; NIMHSID: NIHMS776725; PMCID: PMC5015694
 72. Luo T, Srinivasan U, Ramadugu K, Shedden KA, Neiswanger K, Trumble E, Li JJ, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Foxman B. Effects of specimen collection methodologies and storage conditions on the short-term stability of oral microbiome taxonomy. *Applied and Environmental Microbiology* **82**(18): 5519-5529, 2016. doi:10.1128/AEM.01132-16. Epub July 1, 2016. PMID: 27371581; PMCID: PMC5007772
 73. Randall CL, McNeil DW, Shaffer JR, Crout RJ, Weyant RJ, Marazita ML. Fear of pain mediates the association between MC1R genotype and dental fear. *Journal of Dental Research* **95**(10): 1132-1137, 2016. doi: 10.1177/0022034516661151. PMID: 27555332; PMCID: PMC5004243
- Recipient of the 2016 IADR/AADR Giddon Award for Distinguished Research in the Behavioral Sciences**
74. Wiener RC, Sambamoorthi U, Hayes SE, Azulay Chertok IR. Association of breastfeeding and the federal poverty level: National survey of family growth, 2011-2013. *Epidemiology Research International* 2016 (2016) pii: 9783704. 7 pages. doi: 10.1155/2016/9783704. PMID: 27019750; PMCID: PMC4804870
 75. Randall CL, Shaffer JR, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Toward a genetic understanding of dental fear: evidence of heritability. *Community Dentistry and Oral Epidemiology* **45**(1): 66-73, 2017. doi: 10.1111/cdoe.12261. Epub October 11, 2016. PMID: 27730664; NIHMSID: 816387; PMCID: PMC5388586
 76. Begum F, Chowdhury R, Cheung VG, Sherman SL, Feingold E. Genome-Wide Association Study of Meiotic Recombination Phenotypes. *G3 Genes Genomes Genetics* **6**(12): 3995-4007, 2016. doi: 10.1534/g3.116.035766. Epub October 12, 2016. PMID: 27733454; PMCID: PMC5144969
 77. Eckert S, Feingold E, Cooper M, Vanyukov MM, Maher BS, Slayton RL, Willing MC, Reis SE, McNeil DW, Crout RJ, Weyant RJ, Levy SM, Vieira AR, Marazita ML, Shaffer JR. Variants on chromosome 4q21 near PKD2 and SIBLINGs are associated with dental caries. *Journal of Human Genetics* **62**(4): 491-496, 2017. doi: 10.1038/jhg.2016.161. Epub January 19, 2017. PMID: 28100911; NIHMSID 835126; PMCID: PMC5367940
 78. Lewis DD, Shaffer JR, Feingold E, Cooper M, Vanyukov MM, Maher BS, Slayton RL, Willing MC, Reis SE, McNeil DW, Crout RJ, Weyant RJ, Levy SM, Vieira AR, Marazita ML. Genetic Association of *MMP10*, *MMP14* and *MMP16* with dental caries. *International Journal of Dentistry*, 2017, Article ID 8465125, 7 pages. doi: 10.1155/2017/8465125, Epub February 28, 2017. PMID: 28348596; PMCID: PMC5350286
 79. Hartz SM, Horton AC, Hancock DB, Baker TB, Caporaso NE, Chen LS, Hokanson JE, Lutz SM, Marazita ML, McNeil DW, Pato CN, Pato MT, Johnson EO, Bierut LJ. Genetic correlation between smoking behaviors and schizophrenia. *Schizophrenia Research* **194**: 86-90, 2018. doi: 10.1016/j.schres.2017.02.022, Epub, March 8, 2017. PMID: 28285025; PMCID: PMC5811408

80. Wright CD, McNeil DW, Edwards CB, Crout RJ, Neiswanger K, Shaffer JR, Marazita ML. Periodontal status and quality of life: impact of fear of pain and dental fear. *Pain Research and Management* (Special issue on Pain Management in Oral and Maxillofacial Diseases) 2017, Article ID 5491923, 9 pages. doi: 10.1155/2017/5491923, Epub March 9, 2017. PMID: 28377670; PMCID: PMC5362723
81. Wen A, Weyant RJ, McNeil DW, Crout RJ, Neiswanger K, Marazita ML, Foxman B. Bayesian analysis of the association between family-level factors and siblings' dental caries. *JDR Clinical & Translational Research* **2**(3): 278-286, 2017. doi: 10.1177/2380084417698103, Epub March 15, 2017. PMID: 28871287; PMCID: PMC5576057
82. Randall CL, Wright CD, Chernus JM, McNeil DW, Feingold E, Crout RJ, Neiswanger K, Weyant RJ, Shaffer JR, Marazita ML. A preliminary genome-wide association study of pain-related fear: Implications for orofacial pain. *Pain Research and Management* (special issue on Orofacial Pain) 2017, Article ID 7375468, 12 pages. doi: 10.1155/2017/7375468, Epub June 15, 2017. PMID: 28701861; PMCID: PMC5494109
83. Martin CA, Dieringer BM, McNeil DW. Orthodontic treatment completion and discontinuation in a rural sample from north central Appalachia in the USA. *Frontiers in Public Health* **5**: Article 171, 6 pages, 2017. doi:10.3389/fpubh.2017.00171. PMID: 28791281; PMCID: PMC5524769
84. McNeil DW, Kennedy SG, Randall CL, Addicks SH, Wright CD, Hursey KG, Vaglianti R. Fear of Pain Questionnaire-9: Brief assessment of pain-related fear and anxiety. *European Journal of Pain* **22**(1): 39-48, 2018. doi: 10.1002/ejp.1074, Epub, July 31, 2017. PMID: 28758306; PMCID: PMC5730485
85. Hancock DB, Guo Y, Reginsson GW, Gaddis NC, Lutz SM, Sherva R, Loukola A, Minica CC, Markunas CA, Han Y, Young KA, Gudbjartsson DF, Gu F, McNeil DW, Qaiser B, Glasheen C, Olson S, Landi MT, Madden PAF, Farrer LA, Vink J, Saccone NL, Neale MC, Kranzler HR, McKay J, Hung RJ, Amos CI, Marazita ML, Boomsma DI, Baker TB, Gelernter J, Kaprio J, Caporaso NE, Thorgeirsson TE, Hokanson JE, Bierut LJ, Stefansson K, Johnson EO. Genome-wide association study across European and African American ancestries identifies a SNP in *DNMT3B* contributing to nicotine dependence. *Molecular Psychiatry* **23**(9): 1911-1919, 2018. doi: 10.1038/mp.2017.193, Epub, October 3, 2017. PMID: 28972577; PMCID: PMC5882602
86. Ballantine JL, Carlson JC, Ferreira Zandoná AG, Agler C, Zeldin LP, Rozier RG, Roberts MW, Basta PV, Luo J, Antonio-Obese ME, McNeil DW, Weyant RJ, Crout RJ, Slayton RL, Levy SM, Shaffer JR, Marazita ML, North KE, Divaris K. Exploring the genomic basis of early childhood caries: a pilot study. *International Journal of Paediatric Dentistry* **28**(2): 217-225, 2018. doi: 10.1111/ipd.12344, Epub October 23, 2017. PMID: 29057527; PMCID: PMC5811369
87. Duverger O, Carlson JC, Karacz CM, Schwartz ME, Cross MA, Marazita ML, Shaffer JR, Morasso MI. Genetic variants in Pachyonychia congenita-associated keratins increase susceptibility to tooth decay. *PLoS Genetics* **14**(1):e1007168, January 22, 2018. doi: 10.1371/journal.pgen.1007168. PMID: 29357356; PMCID: PMC5794186

Correction to Figure 2 labels: Duverger O, Carlson JC, Karacz CM, Schwartz ME, Cross MA, Marazita ML, Shaffer JR, Morasso ML. Correction: Genetic variants in Pachyonychia congenita-associated keratins increase susceptibility to tooth decay. *PLoS Genetics* **15**(6): e1008230, June 24, 2019. doi: 10.1371/journal.pgen.1008230. PMID: 31233495; PMCID: PMC6590779

88. Glasheen C, Johnson EO, Saccone NL, Lutz SM, Baker TB, McNeil DW, Marazita ML, Hokanson JE, Bierut LJ, Hancock DB. Is the Fagerström test for nicotine dependence invariant across secular trends in smoking? A question for cross-birth cohort analysis of nicotine dependence. *Drug and Alcohol Dependence* **185**: 127-132, 2018. doi: 10.1016/j.drugalcdep.2017.12.013. Epub February 6, 2018. PMID: 29438887; PMCID: PMC5889733
89. Govil M, Mukhopadhyay N, Weeks DE, Feingold E, Shaffer JR, Levy SM, Vieira AR, Slayton RL, McNeil DW, Weyant RJ, Crout RJ, Marazita ML. Novel caries loci in children and adults implicated by genome-wide analysis of families. *BioMed Central Oral Health* **18**(1):98 12 pages, 2018. doi: 10.1186/s12903-018-0559-6. Epub: June 1, 2018. PMID: 29859070; PMCID: PMC5984765
90. Haworth S, Shungin D, van der Tas JT, Vucic S, Medina-Gomez C, Yakimov V, Feenstra B, Shaffer JR, Lee MK, Standl M, Thiering E, Wang C, Bønnelykke K, Waage J, Jessen LE, Nørrisgaard PE, Joro R, Seppälä I, Raitakari O, Dudding T, Grgic O, Ongkosuwito E, Vierola A, Eloranta AM, West NX, Thomas SJ, McNeil DW, Levy SM, Slayton R, Nohr EA, Lehtimäki T, Lakka T, Bisgaard H, Pennell C, Kühnisch J, Marazita ML, Melbye M, Geller F, Rivadeneira F, Wolvius EB, Franks PW, Johansson I, Timpson NJ. Consortium-based genome-wide meta-analysis for childhood dental caries traits. *Human Molecular Genetics* **27**(17): 3113-3127, 2018. doi: 10.1093/hmg/ddy237. Epub June 20, 2018. PMID: 29931343; PMCID: PMC6097157
91. Orlova E, Yeh A, Shi M, Firek B, Ranganathan S, 23andMe Research Team, Whitcomb DC, Finegold DN, Ferrell RE, Barmada MM, Marazita ML, Hinds DA, Shaffer JR, Morowitz MJ. Genetic association and differential expression of *PITX2* with acute appendicitis. *Human Genetics* **138**(1): 37-47, 2019. doi: 10.1007/s00439-018-1956-2. Epub November 3, 2018. PMID: 30392061; NIHMSID 1022679; PMCID: PMC6514078
92. Chen M, Wright CD, Tokede O, Yansane A, Montasem A, Kalenderian E, Beaty TH, Feingold E, Shaffer JR, Crout RJ, Neiswanger K, Weyant RJ, Marazita ML, McNeil DW. Predictors of dental care utilization in north-central Appalachia in the USA. *Community Dentistry and Oral Epidemiology* **47**(4): 283-290, 2019. doi: 10.1111/cdoe.12453. Epub April 17, 2019. PMID: 30993747; NIHMSID: 1013266; PMCID: PMC6631312
93. Foxman B, Kolderman E, Salzman E, Cronenwett A, Gonzalez-Cabezas C, Neiswanger K, Marazita ML. Primary teeth microhardness and lead (Pb) levels. *Heliyon* **5**(4): e01551, 2019. doi: 10.1016/j.heliyon.2019.e01551. Epub April 17, 2019. PMID: 31049448; PMCID: PMC6484203
94. Burgette JM, Polk DE, Shah N, Malik A, Crout RJ, McNeil DW, Foxman B, Weyant RJ, Marazita ML. Mother's perceived social support and children's dental caries in northern Appalachia. *Pediatric Dentistry* **41**(3): 200-205, 2019. Epub May 15, 2019. PMID: 31171071; PMCID: PMC6624082
95. Meng Y, Wu T, Billings R, Kopycka-Kedzierawski DT, Xiao J. Human genes influence the interaction between *Streptococcus mutans* and host caries susceptibility: a genome-wide association study in children with primary dentition. *International Journal of Oral Science* **11**(2): 19. doi: 10.1038/s41368-019-0051-4. Epub May 30, 2019. PMID: 31148553; PMCID: PMC6544625 [Acquired data from dbGaP, did not reference grants]
96. Snell AK, Burgette JM, Weyant RJ, Crout RJ, McNeil DW, Foxman B, Marazita ML. Association between a child's caries experience and the mother's perception of her child's oral health status. *Journal of the American Dental Association* **150**(6): 540-548, 2019. doi: 10.1016/j.adaj.2019.01.032. Epub June 1, 2019. PMID: 31133175; PMCID: PMC6540812

97. Addicks SH, McNeil DW. Randomized controlled trial of motivational interviewing to support breastfeeding among Appalachian women. *Journal of Obstetric, Gynecologic & Neonatal Nursing* **48**(4): 418-432, 2019. doi: 10.1016/j.jogn.2019.05.003. Epub June 7, 2019. PMID: 31181186; NIHMSID: 1530069 PMCID: PMC6657518
98. Shungin D, Haworth S, Divaris K, Agler CS, Kamatani Y, Keun Lee M, Grinde K, Hindy G, Alaraudanjoki V, Pesonen P, Teumer A, Holtfreter B, Sakaue S, Hirata J, Yu YH, Ridker PM, Giulianini F, Chasman DI, Magnusson PKE, Sudo T, Okada Y, Völker U, Kocher T, Anttonen V, Laitala ML, Orho-Melander M, Sofer T, Shaffer JR, Vieira A, Marazita ML, Kubo M, Furuichi Y, North KE, Offenbacher S, Ingelsson E, Franks PW, Timpson NJ, Johansson I. Genome-wide analysis of dental caries and periodontitis combining clinical and self-reported data. *Nature Communications* **10**(1): 2773, 2019. doi: 10.1038/s41467-019-10630-1. Epub Jun 24, 2019. PMID: 31235808; PMCID: PMC6591304
99. McNeil DW, Randall CL, Cohen LL, Crout RJ, Weyant RJ, Neiswanger K, Marazita ML. Transmission of dental fear from parent to adolescent in an Appalachian sample in the USA. *International Journal of Paediatric Dentistry* **29**(6): 720-727, 2019. doi: 10.1111/ipd.12564. Epub September 12, 2019. PMID: 31328316; NIHMSID: 1042771; PMCID: PMC6785362
100. Orlova E, Carlson JC, Lee MK, Feingold E, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Shaffer JR. Pilot GWAS of caries in African-Americans shows genetic heterogeneity. *BMC Oral Health* **19**(1): 215, 2019. doi:10.1186/s12903-019-0904-4. Epub September 18, 2019. PMID: 31533690; PMCID: PMC6751797
101. Wright CD, Tiani AG, Billingsley AL, Steinman SA, Larkin KT, McNeil DW. A framework for understanding the role of psychological processes in disease development, maintenance, and treatment: The 3P-disease model. *Frontiers in Psychology* **10**: 2498, 2019. doi: 10.3389/fpsyg.2019.02498. Epub November 20, 2019. PMID: 31824367; PMCID: PMC6879427
102. Blostein FA, Jansen EC, Jones AD, Marshall TA, Foxman B. Dietary patterns associated with dental caries in adults in the United States. *Community Dentistry and Oral Epidemiology* **48**(2): 119-129, 2020. doi: 10.1111/cdoe.12509. Epub December 6, 2019. PMID: 31809561; PMCID: PMC7056496 [available 4/1/2021]
103. Ramadugu K, Blostein F, Bhaumik D, Jiang W, Davis E, Salzman E, Srinivasan U, Marrs CF, Neiswanger K, McNeil DW, Marazita ML, Foxman B. Co-occurrence of yeast, streptococci, dental decay, and gingivitis in the post-partum period: results of a longitudinal study. *Journal of Oral Microbiology* **12**(1): 1746494, 2020. doi: 10.1080/20002297.2020.1746494. Epub April 15, 2020. PMID: 32363007; PMCID: PMC7178893
104. Ramadugu K, Bhaumik D, Luo T, Gicquelais RE, Lee KH, Stafford EB, Marrs CF, Neiswanger K, McNeil DW, Marazita ML, Foxman B. Maternal Oral Health Influences Infant Salivary Microbiome. *J Dent Res*. 2021 Jan;100(1):58-65. doi: 10.1177/0022034520947665. Epub 2020 Aug 28. PMID: 32859139; PMCID: PMC7755948.

Winner of 2021 IADR/AADOCR William J. Gies Award for Clinical Research

105. Davis E, Bakulski KM, Goodrich JM, Peterson KE, Marazita ML, Foxman B. Low levels of salivary metals, oral microbiome composition and dental decay. *Scientific Reports* **10**(1):14640, 2020. doi: 10.1038/s41598-020-71495-9. Epub September 4, 2020. PMID: 32887894 PMCID: PMC7474081

106. Quach BC, Bray MJ, Gaddis NC, Liu M, Palviainen T, Minica CC, Zellers S, Sherva R, Aliev F, Nothnagel M, Young KA, Marks JA, Young H, Carnes MU, Guo Y, Waldrop A, Sey NYA, Landi MT, McNeil DW, Drichel D, Farrer LA, Markunas CA, Vink JM, Hottenga JJ, Iacono WG, Kranzler HR, Saccone NL, Neale MC, Madden P, Rietschel M, Marazita ML, McGue M, Won H, Winterer G, Gruzca R, Dick DM, Gelernter J, Caporaso NE, Baker TB, Boomsma DI, Kaprio J, Hokanson JE, Vrieze S, Bierut LJ, Johnson EO, Hancock DB. Expanding the genetic architecture of nicotine dependence and its shared genetics with multiple traits. *Nature Communications* **11**(1): 5562. Epub November 3, 2020. doi: 10.1038/s41467-020-19265-z. PMID: 33144568; PMCID: PMC7642344
107. Zhou Y, Cuddy R, McNeil DW, Wright CD, Crout RJ, Feingold E, Neiswanger K, Marazita ML, Shaffer JR. Oral health and related risk indicators in north-central Appalachia differ by rurality. *Community Dentistry and Oral Epidemiology* Epub Dec 28, 2020. doi: 10.1111/cdoe.12618. PMID: 33368457; PMCID: PMC8381283
108. Quentin LL, Nelson CI, Wright CD, Arias MC, Mittinty MM, McNeil DW. Development and validation of the Brief Assessment of Distress about Pain. *European Journal of Pain* **25**(6):1292-1302. February 23, 2021. doi: 10.1002/ejp.1751. PMID:33619787; PMCID: PMC8370100
109. Wright CD, McNeil DW. Fear of Pain Across the Adult Life Span. *Pain Med.* 2021 Mar 18;**22**(3):567-576. doi: 10.1093/pm/pnaa390. PMID: 33404654; PMCID: PMC7971466.
110. Wright CD, Heaton B, McNeil DW. Development and validation of a latent, multidimensional, self-report periodontal disease measure. *Journal of Periodontology.* 2021 Mar 2. doi: 10.1002/JPER.20-0066. Epub ahead of print. PMID: 33651894; PMCID: PMC8849589
111. Edwards CB, Randall CL, McNeil DW. Development and Validation of the Oral Health Values Scale. *Community Dent Oral Epidemiol.* 2021 Oct;**49**(5):454-463. doi: 10.1111/cdoe.12621. Epub 2021 Mar 18. PMID: 33734475; PMCID: PMC8518540.
112. Blostein F, Foote S, Salzman E, McNeil DW, Marazita ML, Martin ET, Foxman B. Associations between salivary bacteriome diversity and salivary human herpesvirus detection in early childhood: A prospective cohort study. *Journal of the pediatric Infectious Diseases Society* **2021** Jun 26;piab044. doi: 10.1093/jpids/piab044. PMID: 34173666; PMCID: PMC8459089
113. Nelson CI, Wright CD, Brumbaugh JT, Neiswanger K, Crout RJ, Lilly CL, Marazita ML, McNeil DW. Predictors of use of dental care by children in north-central Appalachia in the USA. *PLoS One.* 2021 Jul 22;**16**(7):e0250488. doi: 10.1371/journal.pone.0250488. PMID: 34292949; PMCID: PMC8297786.
114. Bhaumik D, Manikandan D, Foxman B. Cariogenic and oral health taxa in the oral cavity among children and adults: A scoping review. *Arch Oral Biol.* 2021 Sep;**129**:105204. doi: 10.1016/j.archoralbio.2021.105204. Epub 2021 Jun 30. PMID: 34246103; PMCID: PMC8364507.
115. Wu D, Li C, Lu Q. Multi-marker genetic association and interaction tests with interval-censored survival outcomes. *Genet Epidemiol.* 2021 Dec;**45**(8):860-873. doi: 10.1002/gepi.22429. Epub 2021 Sep 2. PMID: 34472134; PMCID: PMC8604754.
116. Davis E, Martinez G, Blostein F, Marshall T, Jones AD, Jansen E, McNeil DW, Neiswanger K, Marazita ML, Foxman B. Dietary Patterns and Risk of a New Carious Lesion Postpartum: A Cohort

Study. *J Dent Res*. 2021 Oct 5:220345211039478. doi: 10.1177/00220345211039478. Epub ahead of print. PMID: 34609222.

117. Luo TL, Vanek ME, Gonzalez-Cabezas C, Marrs CF, Foxman B, Rickard AH. In vitro model systems for exploring oral biofilms: From single-species populations to complex multi-species communities. *J Appl Microbiol*. 2022 Feb;132(2):855-871. doi: 10.1111/jam.15200. Epub 2021 Sep 2. PMID: 34216534, PMCID in progress.
118. Burgette JM, Dahl ZT, Weyant RJ, McNeil DW, Foxman B, Marazita ML. Opposition to Early Dental Visit by Dentists: A Qualitative Study on Mothers' Social Networks. *JDR Clinical and Translational Research*. 2021 Dec 1; doi: 10.1177/23800844211059072. Epub ahead of print. PMID: 34927473, PMCID in progress.
119. Zhou Y, McNeil DW, Haworth S, Dudding T, Chernus JM, Liu C, Liu D, Wright CD, Brumbaugh J, Randall CL, Weyant RJ, Crout RJ, Foxman B, Reis S, Timpson NJ, Marazita ML, Shaffer JR. Genome-wide Scan of Dental Fear and Anxiety Nominates Novel Genes. *Journal of Dental Research*. 2022 Jun 30:220345221105226. doi: 10.1177/00220345221105226. Epub ahead of print. PMID: 35771046.
120. Divaris K, Haworth S, Shaffer JR, Anttonen V, Beck JD, Furuichi Y, Holtfreter B, Jönsson D, Kocher T, Levy SM, Magnusson PK, McNeil DW, Michaelsson K, North K, Palotie UR, Papapanou PN, Pussinen P, Porteous D, Reis K, Salminen A, Schaefer AS, Sudo T, Sun Y, Suominen AL, Tamahara T, Weinberg SM, Lundberg P, Marazita ML, Johansson, I. Phenotype Harmonization in the GLIDE2 Oral Health Genomics Consortium. *Journal of Dental Research*. In press.
121. Burgette JM, Dahl ZT, Yi JS, Weyant RJ, McNeil DW, Foxman B, Marazita ML. Mothers' Sources of Child Fluoride Information and Misinformation from Social Connections. *JAMA Network Open*. 2022 Apr 1;5(4):e226414. doi: 10.1001/jamanetworkopen.2022.6414. PMID: 35363267.
122. Lu KC, Dahl ZT, Weyant RJ, McNeil DW, Foxman B, Marazita ML, Burgette JM. Why Do Grandparents Give Children Candy? *Journal of the Academy of Nutrition and Dietetics*. E-published 5 April 2022;S2212-2672(22)00197-6. doi: 10.1016/j.jand.2022.04.001.

ADDITIONAL PAPERS THAT USED COHRA DATA. BUT UNRELATED TO GRANT AIMS :

1. Heaton LJ, McNeil DW, Milgrom P. Propanolol and D-cycloserine as adjunctive medications in reducing dental fear in sedation practice. *SAAD Digest* **26**: 27-35, 2010. PMID: 20151608; PMCID: PMC2893885
2. Letra A, Fakhouri W, Fonseca RF, Menezes R, Kempa I, Prasad JL, McHenry TG, Lidral AC, Moreno L, Murray JC, Daack-Hirsch S, Marazita ML, Castilla EE, Lace B, Orioli IM, Granjeiro JM, Schutte BC, Vieira AR. Interaction between IRF6 and TGFA genes contribute to the risk of nonsyndromic cleft lip/palate. *PLoS One* **7**(9):e45441, 2012. doi: 10.1371/journal.pone.0045441. Epub September 20, 2012. PMID: 23029012; PMCID: PMC3447924
3. Foxman B, Seitz SM, Rothenberg R. Epidemiology and the microbiome. *Annals of Epidemiology* **26**(5): 386-387, 2016. doi: 10.1016/j.annepidem.2016.04.007. Epub April 18, 2016. PMID: 27180115.
4. Wright CD, Nelson CI, Brumbaugh JT, McNeil DW. The Role of Distress Tolerance as a Potential Mechanism Between Anxiety Sensitivity and Gut-Specific Anxiety. *International Journal of*

Behavioral Medicine. 2020 Dec;27(6):717-725. doi: 10.1007/s12529-020-09912-6. PMID: 32583317; PMCID: PMC7720241.

5. Alotaibi RN, Howe BJ, Moreno Uribe LM, Sanchez C, Deleyiannis FWB, Padilla C, Poletta FA, Orioli IM, Buxó CJ, Wehby GL, Vieira AR, Murray J, Valencia-Ramírez C, Restrepo Muñeton CP, Long RE, Shaffer JR, Reis SE, Weinberg SM, Neiswanger K, McNeil DW, Marazita ML. Genetic Analyses of Enamel Hypoplasia in Multiethnic Cohorts. *Hum Hered*. 2022 Feb 16. doi: 10.1159/000522642. Epub ahead of print. PMID: 35172313.

SUBMITTED:

BOOK CHAPTERS AND OTHER PUBLICATIONS:

1. McNeil DW, Crout RJ, Marazita ML. Oral health in Appalachia. In *Appalachian Health and Well-Being*. (RL Ludke and PJ Obermiller, eds), Lexington: University Press of Kentucky, pp 275-294, 2012.
2. McNeil DW, Randall CL. Dental fear and anxiety associated with oral health care: Conceptual and clinical issues. In *Behavioral Dentistry, 2nd ed.* (DI Mostofsky and F Fortune, eds), Ames, IA: Blackwell, pp 165-192, 2013.
3. McNeil DW, Vargovich AM, Sorrell JT, Vowles KE. Environmental, emotional, and cognitive determinants of dental pain. In *Behavioral Dentistry, 2nd ed.* (DI Mostofsky and F Fortune, eds), Ames, IA: Blackwell, pp 89-108, 2013.
4. Shaffer Jr, Marazita ML. Caries. In *Genomics, Personalized Medicine and Oral Disease*. (ST Sonis, ed), Switzerland: Springer International Publishing, pp 117-144, 2015. doi: 10.1007/978-3-319-17942-1
5. Selby-Nelson EM, Layh MC, Brumbaugh, JT, & McNeil DW. (in press). Mental health and treatment considerations for rural communities. In G. J. G. Asmundson (Ed.), *Comprehensive Clinical Psychology* (2nd ed).
6. Opposition to Early Dental Visit by Dentists in Mothers Social Networks. Social Network research featured in PracticeUpdate, a collaboration from Elsevier and the American Dental Association. January 5, 2022. https://www.practiceupdate.com/content/opposition-to-early-dental-visit-by-dentists-in-mothers-social-networks/128707/14/23/1?utm_source=elsca1=web_acq_spilty-dent_adarutm_source=emailutm_medium=huddleutm_content=practice-update-registration-011522_campaign=practiceupdate&utm_medium=email
7. Clinical Question of The Week: Is information that mothers receive from dentists in their social network consistent with professional recommendations for a first dental visit at age 1? Research featured in the American Dental Association Weekend Huddle. January 15, 2022. <https://www2.smartbrief.com/servlet/encodeServlet?issueid=86906BE4-A7CC-4C47-965A-E79966609525&sid=7b59a713-3751-4715-9e36-ee937d9b027c>

MEETING PRESENTATIONS, POSTERS, AND ABSTRACTS:

1. Bretz W, Thomas J, Weyant R, Crout R, McNeil D, Tarter R. Development of a familial liability index

- for oral microbial status in Appalachia. *Poster*: The National Oral Health Conference of the American Association of Public Health Dentistry, Portland, Oregon, USA, April 2001.
2. McNeil DW, Cohen LL, Crout RJ, Berk NW, Weyant RJ, Lawrence SM, Davis BA, Patthoff EB, Vowles KE, Sorrell JT, Tarter RE. Dental fear differences in Appalachian children and their parents. *Poster*: Annual Meeting of the Association for Advancement of Behavior Therapy, Philadelphia, Pennsylvania, USA, November, 2001.
 3. Patthoff EB, McNeil DW, Crout RJ, Berk NW, Weyant RJ, Lawrence SM, Davis BA, Capehart K. Psychometric data support use of the Dental Fear Interview to assess Appalachian youth and their parents. *Poster*: Annual Meeting of the Association for Advancement of Behavior Therapy, Philadelphia, Pennsylvania, USA, November 2001.
 4. Davis B, McNeil DW, Crout RJ, Cohen LL, Casto GT, Weyant RJ. Fear of pain relates to patient comfort, satisfaction, and desire for information among Appalachia youth and their parents (Abstract #2087). *Poster*: 80th General Session of the International Association of Dental Research/American Association of Dental Research, March 2002. *Journal of Dental Research* **81**: A269, 2002.
 5. Martin CA, McNeil DW, Crout RJ, Lawrence SM, Weyant RJ. Orthodontic treatment needs in Appalachian youth and their parents (Abstract #3508). *Poster*: 80th General Session of the International Association of Dental Research/American Association of Dental Research, March 2002. *Journal of Dental Research* **81**: A432, 2002.
 6. Weyant RJ, Manz M, Corby P. Area effects on oral health status: Appalachian residence and family income. *Poster*: National Oral Health Conference, American Association of Public Health Dentistry, Danvers, Massachusetts, USA, May 2003.
 7. Crout RJ, McNeil DW, Wenger SL, Wearden S, Weyant RJ. Cardiovascular risk evaluation of families in a rural WV population. *Poster*: 81st General Session of the International Association of Dental Research, Goteborg, Sweden, June 2003. *Journal of Dental Research* **82**: B266, 2003.
 8. Polk DE, Weyant RJ, McNeil DW, Crout RJ, Thomas JG, Marazita ML. Socioeconomic status and oral pathogenic load. *Poster*: 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, British Columbia, Canada, March 2-5, 2005. *Psychosomatic Medicine* Jan-Feb; 67(1): A83, 2005.
 9. Crout RJ, McNeil DW, Casto G, Wallace J, Weyant RJ, Marazita ML. Desire for periodontal/endodontic therapy in an Appalachian community (Abstract #1961). *Poster*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005
 10. Maher BS, Cooper ME, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Genetic segregation analysis of caries risk (Abstract #24). *Keynote address*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.
 11. Marazita ML, Weyant RJ, Tarter R, Crout RJ, McNeil DW, Thomas J. Family-based paradigm for investigations of oral health disparities (Abstract #238). *Oral platform presentation*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.

12. McNeil DW, Crout RJ, Weyant RJ, Widoe RK, Marting RK, Marazita ML. Toward an understanding of dental fear in Appalachia (Abstract #2002). *Poster*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.
13. Polk DE, Weyant RJ, McNeil DW, Crout RJ, Marazita ML. Socioeconomic status and number and treatment of caries (Abstract #241). *Oral platform presentation*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.
14. Thomas J, Bretz WA, Crout RJ, McNeil DW, Weyant RJ, Marazita ML. Creating an oral microbial signature for a rural Appalachian population (Abstract #3538). *Poster*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.
15. Wenger SL, Wise JL, Crout RJ, McNeil DW, Weyant RJ, Marazita ML. Utilization of a large dental genetic study for cryptic chromosomal rearrangements (Abstract #768). *Poster*: 83rd Annual Meeting of the International Association for Dental Research/34th Annual Meeting of the American Association of Dental Research, Baltimore, Maryland, USA, March 9-12, 2005.
16. McNeil DW, Crout RJ, Widoe K, Martins RK, Weyant RJ, Marazita ML. Toward an understanding of the relation between oral health and Appalachia Identity. *Poster*: 2005 National Oral Health Conference, American Association of Public Health Dentistry, Pittsburgh, Pennsylvania, USA, May 1-5, 2005.
17. Crout RJ, McNeil DW, Weyant RJ, Widoe RK, Marazita, ML. Toward an understanding of periodontal status in an Appalachian community. *Poster*: 91st Annual Meeting, American Academy of Periodontics, Denver, Colorado, USA, September 24-27, 2005.
18. Polk DE, Weyant RJ, McNeil DW, Crout RJ, Marazita ML. Socioeconomic disparity and periodontal disease. *Poster*: 64th Annual Meeting of the American Psychosomatic Society, Denver, Colorado, USA, March 1-4, 2006. *Psychosomatic Medicine* Jan-Feb; **68**(1): A102 – A103, 2006.
19. Thomas JG, Gray DM, Nakaishi LA, Crout R, McNeil DW, Weyant RJ, Marazita ML. 3 species oral microbial signature from two rural populations (Abstract #2125). *Poster*: 35th Annual Meeting of the American Association of Dental Research, Orlando, Florida, USA, March 8-11, 2006. *Journal of Dental Research* **85** (Spec Issue A): 2125, 2006.
20. Wise JL, Crout RJ, McNeil DW, Weyant RJ, Marazita ML, Wenger SL. Frequency of telomere rearrangements in individuals who are phenotypically normal and those with developmental delay/mental retardation. *Oral platform presentation*: American Cytogenetics Conference, Atlanta, Georgia, USA, April 27-30, 2006.
21. Weyant RJ, Polk D, McNeil DN, Crout R, Marazita ML. Familial transmission of gingival bleeding risk. *Poster*: Gordon Research Conference on Periodontal Disease, Il Ciocco, Barga, Italy, June 4-9, 2006.
22. Thomas JG, Gray DM, Crout R, McNeil DM, Weyant RJ, Marazita ML. Unmasking *Candida albicans* as an emerging oral microbial signature (Abstract #2213). *Poster*: 85th General Session of

- IADR/AADR/CADR, New Orleans, Louisiana, USA, March 21-24, 2007. *Journal of Dental Research* **86** (Spec Issue A): 2213, 2007. (www.dentalresearch.org).
23. Zhang L, Foxman B, Drake D, Henderson J, Srinivasan U, Weyant RJ, Marazita ML. Comparative whole-genome analysis of *Streptococcus mutans* from different caries status (Abstract #2262). *Poster: 85th General Session of IADR/AADR/CADR, New Orleans, Louisiana, USA, March 21-24, 2007. Journal of Dental Research* **86** (Spec Issue A): 2262, 2007. (www.dentalresearch.org).
 24. Crout RJ, Martin CA, McNeil DW, Heady H, Weyant RJ, Marazita ML. Oral health disparities in the treatment need and demand in an Appalachian population. *Poster: 2007 National Oral Health Conference, Denver, Colorado, USA, April 30-May 2, 2007.*
 25. Crout RJ, Thomas JG, Gray DM, McNeil DW, Weyant RJ, Marazita ML. An oral microbial signature created from a rural Appalachian population (Abstract #0402). *Oral Platform Presentation: 42nd Annual Meeting of IADR-Continental European and Israeli Divisions, Thessaloniki, Greece, September 26-29, 2007.*
 26. Choi D, Drake D, Banas JA, Gadre D, Olson B, Crout RJ, McNeil DW, Weyant RJ, Marazita ML. *Streptococcus mutans* strain variability and dental caries (Abstract #419). *Poster: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 419, 2008. (www.dentalresearch.org).
 27. Cooper ME, Wendell SK, Dilettuso BA, Kureichyk AL, Regina RL, Brown ML, Barkanic GE, Crout RJ, McNeil DW, Weyant RJ, Marazita ML. Association study of candidate genes for dental caries in adults (Abstract #580). *Oral platform presentation: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 580, 2008. (www.dentalresearch.org).
 28. Crout RJ, Thomas JG, Gray DM, McNeil DW, Weyant RJ, Marazita ML. Defining an oral microbial signature (OMS) in an Appalachian population (Abstract #1190). *Poster: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 1190, 2008. (www.dentalresearch.org).
 29. Marazita ML, Cooper ME, Wendell SK, Dilettuso BA, Kureichyk A, Regina RL, Brown ML, Barkanic GE, Crout RJ, McNeil DW, Weyant RJ. Genetic and other associations with dental caries in mixed dentition (Abstract #579). *Oral platform presentation: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 579, 2008. (www.dentalresearch.org).
 30. McNeil DW, Henderson SA, Crout RJ, Polk D, Weyant RJ, Marazita ML. Dental fear among youth in Appalachia (Abstract #879). *Poster: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs #879, 2008. (www.dentalresearch.org).
 31. Neiswanger K, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Accuracy of NicAlert™ strips tested with urine and saliva (Abstract #884). *Poster: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 884, 2008. (www.dentalresearch.org).
 32. Polk DE, Weyant RJ, Marazita ML, Crout RJ, McNeil DW, Barkanic G. DMFT in children Is

- associated with multiple maternal factors (Abstract #530). *Oral platform presentation: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 530, 2008. (www.dentalresearch.org).
33. Wang XJ, Marazita ML, Levy SM, Santiago S, Broffitt B, Smith BJ, Lidral AC, Willing M. Genetic and environmental factors associated with dental caries in children (Abstract #174). *Poster for Hatton Award competition: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 174, 2008. (www.dentalresearch.org).
 34. Wendell SK, Cooper ME, Dilettuso BA, Kureichyk AL, Brown ML, Regina RL, Barkanic GE, Crout RJ, McNeil DW, Weyant RJ, Marazita ML. Association of candidate genes with dental caries in young children (Abstract #903). *Poster: 37th Annual American Association for Dental Research, Dallas, Texas, USA, April 2-5, 2008. Journal of Dental Research* **87** (Spec Issue A): abs # 903, 2008. (www.dentalresearch.org).
 35. Polk DE, Weyant RJ, Marazita ML, Crout RJ, McNeil DW, Barkanic G. When do the disparities in caries due to socioeconomic status occur? (Abstract #1664). *Poster: 66th Annual Meeting of the American Psychosomatic Society, Baltimore Maryland, USA, March 12-15, 2008. Psychosomatic Medicine* **70**(3): A95, 2008.
 36. Crout R, McNeil D, Thomas J, Polk D, Weyant R, Marazita M. Disparities in rural Appalachian families: adult periodontal findings. *Poster: 94th Annual Meeting of the American Academy of Periodontology, Seattle, Washington, USA, September 5-9, 2008.*
 37. McNeil D, Crout R, Polk D, Weyant R, Marazita M. Promoting oral health literacy and satisfaction in Appalachia through technology. *Poster: 42nd Annual Convention of the Association for Behavioral and Cognitive Therapies, Orlando, Florida, USA, November 13-16, 2008.*
 38. Choi D, Banas J, Drake D, Kramer K, Dawson D, McNeil D, Crout R, Weyant R, Marazita M. *Streptococcus mutans* genotypes: biofilm formation and acidogenicity. *Poster: 87th General Session & Exhibition of the IADR/38th Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*
 39. Gadre DV, Olson B, Drake D, Weyant RJ, McNeil DW, Crout R, Thomas J, Marazita M. Diversity of *Streptococcus mutans* genotypes from lower socioeconomic Appalachian families. *Poster: 87th General Session & Exhibition of the IADR/38th Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*
 40. Gray D, Thomas J, Crout R, McNeil D, Weyant R, Marazita M. Identifying abiotic consequences of tooth placement utilizing enzymatic detection. *Poster: 87th General Session & Exhibition of the IADR/38th Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*
 41. McNeil D, Crout R, Weyant R, Marazita M. Dental and pain fears among youth and parents in Appalachia. *Poster: 87th General Session & Exhibition of the IADR/38th Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*
 42. Tworek C, Crout R, McNeil D, Weyant R, Marazita M. Smokeless tobacco use and oral health in rural Appalachia. *Poster: 87th General Session & Exhibition of the IADR/38th Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*

43. Crout R, McNeil D, Casto G, Weyant R, Marazita M. Desire for endodontic therapy in an Appalachian community. *Poster: Annual Session of the American Association of Endodontists (AAE), Orlando, Florida, USA, April 29 – May 2, 2009.*
44. Shaffer JR, Wang XJ, Weyant RJ, Cuenco KT, Crout R, McNeil DW, Marazita ML. Evidence of age-dependent genetic effects on tooth decay: heritability estimates suggest genes influencing dental caries differ between primary and permanent dentitions. *Poster: 59th Annual Meeting of the American Society of Human Genetics, Honolulu, Hawaii, USA, October 20-24, 2009.*
45. T.Cuenco K, Wendell SK, Thomas JG, Gray DM, Wang XJ, Weyant RJ, Crout RM, McNeil DW, Marazita ML. Functional variant of the bitter taste receptor gene associated with oral microbial profiles in the COHRA study. *Poster: 59th Annual Meeting of the American Society of Human Genetics, Honolulu, Hawaii, USA, October 20-24, 2009.*
46. Moeller J, Marazita ML, Feingold E, Cuenco K, Weyant R, DeSensi R. Familial correlations in dental caries and periodontal disease: indicators and risk factors. *Poster: 28th Annual Education Conference of the National Society of Genetic Counselors, Atlanta, Georgia, USA, November 11-15, 2009.*
47. Choi D, Banas J, Drake D, Lynch D, Dawson D, Dramer K, McNeil D, Crout R, Weyant R, Marazita M. *Streptococcus mutans* genotypes: planktonic acid tolerance. *Oral platform presentation: 39th Annual American Association of Dental Research Annual Meeting, Washington, DC, USA, March 3-6, 2010. Journal of Dental Research 89 (Special Issue A): 648, 2010. (www.dentalresearch.org).*
48. Marazita ML, Shaffer JR, Wang XJ, Lee MK, Begum F, Feingold E, Weeks DE, Barmada MM, Cuenco KT, Wendell S, Crosslin D, Laurie C, Weir B, Doheny K, Pugh E, Weyant FJ, Crout R, McNeil D, Levy SM, Slayton RL, Willing M, Broffitt B, Vieira AR. Genome-wide association study of caries in the primary dentition. *Oral platform presentation: 39th Annual American Association of Dental Research Annual Meeting, Washington, DC, USA, March 3-6, 2010. Journal of Dental Research 89 (Special Issue A): 1507, 2010. (www.dentalresearch.org).*
49. Marazita ML. Feasibility of large genetic population-based studies on caries. *Oral platform presentation: 88th General Session of the International Association of Dental Research, Barcelona, Spain, July 14-17, 2010. Journal of Dental Research 89 (Spec Issue B): 177, 2010 (www.dentalresearch.org).*
50. Srinivasan U, Wen A, Zhang L, Ferrer E, Marrs CF, Goldberg D, Thomas J, Weyant R, Crout R, McNeil D, Marazita M, Foxman B. Does oral bacterial diversity predict progression to caries to children? Results of a pilot study. *Poster: International Society of Microbial Ecology, Seattle, Washington, USA, August 23-27, 2010.*
51. Motlagh H, Thomas JG, Crout R, McNeil DW, Marazita ML, Weyant RJ. Women, Oral Flora, and Northern Appalachia: Is there a Unique Microbial Signature? *Poster: Fourth American Dental Education Association (ADEA) International Women's Leadership Conference, Salvador, Brazil, September 5-8, 2010.*
52. Feingold E, Shaffer JR, Wang XJ, Lee MK, Begum F, Weeks DE, Barmada M, T.Cuenco K, Wendell S, Crosslin D, Laurie C, Doheny K, Pugh E, Geller F, Feenstra B, Zhang H, Boyd H, Melbye M, Weyant RJ, Crout R, McNeil D, Levy SM, Slayton RL, Willing M, Broffitt B, Marazita ML. Whole genome-scan of genetic determinants for dental caries in the primary dentition (Abstract/Program #1043). *Poster: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.*

53. Lee MK, Cuenco KT, Wang X, Shaffer JR, Begum F, Feingold E, Weeks DE, Barmada MM, Wendell S, Crosslin D, Laurie C, Weir B, Doheny K, Pugh E, Weyant RJ, Vieira A, Crout RJ, McNeil DW, Levy SM, Slayton RL, Willing MC, Broffitt B, Marazita ML. Genome-wide association study of saliva flow rates from the GENEVA-COHRRA study (Abstract/Program #1075). *Poster*: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
54. Ling H, Shaffer JR, Beaty TH, Marazita ML, Ruczinski I, Feingold E, Laurie CC, Crosslin D, Weir B, Scott AF, Doheny KF, Pugh EW. Description of transmission distortion in two family-based GWAS (Abstract/Program #2695). *Poster*: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
55. Nelson S, Crosslin D, Browning BL, Feingold E, Marazita ML, Laurie CC. Effects of ignoring relatedness among study subjects in genotype imputation analyses (Abstract/Program #3030). *Poster*: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
56. Wang XJ, Shaffer JR, Feingold E, Lee MK, T.Cuenco K, Begum F, Weeks DE, Barmada M, Wendell S, Crosslin D, Laurie C, Weir B, Doheny K, Pugh E, Weyant RJ, Vieira A, Crout R, McNeil D, Marazita ML. Whole genome-scan of genetic determinants for dental caries in the permanent dentition (Abstract/Program #1093). *Poster*: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
57. Zheng X, Shaffer JR, McHugh C, Laurie C, Pugh E, Doheny K, Melbye M, Murray JC, Marazita ML, Feingold E. Using family data as a verification standard to evaluate CNV calling strategies (Abstract/Program #1842). *Poster*: 60th Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
58. Deeley K, Callahan N, Noel J, Anjomshoaa I, Carricato W, Schulhof L, DeSensi R, Gandhi P, Resick J, Brandon C, Rozhon C, Patir A, Yildirim M, Poletta FA, Mereb J, Letra AMG, Menezes R, Wendell S, Lopez-Camelo J, Castilla E, Orioli I, Seymen F, Weyant R, Crout RJ, McNeil DW, Modesto A, Marazita ML, Vieira A. Quantifying *Streptococcus mutans* infection from human DNA samples (Abstract #17). *Oral platform presentation*: IADR/AADR/CADR 89th General Session, San Diego, California, USA, March 16-19, 2011. *Journal of Dental Research* **90** (Special Issue A): 17, 2011. (www.dentalresearch.org).
59. McNeil DW, Vargovich AM, Crout RJ, Weyant R, Marazita ML. Dental fear and relation to fear of pain in Appalachia (Abstract #3357). *Poster*: IADR/AADR/CADR 89th General Session, San Diego, California, USA, March 16-19, 2011. *Journal of Dental Research* **90** (Special Issue A): 3357, 2011. (www.dentalresearch.org).
60. Randall C, McNeil DW, Crout R, Weyant R, Marazita ML. Automated psychosocial assessment in oral health research (Abstract #2109). *Poster*: IADR/AADR/CADR 89th General Session, San Diego, California, USA, March 16-19, 2011. *Journal of Dental Research* **90** (Special Issue A): 2109, 2011. (www.dentalresearch.org).
61. Lee M, T.Cuenco K, Wang X, Shaffer JR, Begum F, Feingold E, Weeks DE, Barmada MM, Wendell S, Crosslin D, Laurie C, Doheny KF, Pugh E, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Genome-wide association study of saliva flow rate and integration of protein-gene networks (Abstract #P08.63). *Poster*: European Human Genetics Conference 2011, Amsterdam RAI, the Netherlands, May 28-31,

2011. *European Journal of Human Genetics* **19** (Suppl. 2): 261, 2011.
62. Modesto A, Deeley K, Castilla E, Seymen F, Marazita ML, Vieira AR. Detection of *Streptococcus mutans* in human DNA from saliva. *Poster (P26-464) in the Morita Prize session: 23rd Congress of the International Association of Paediatric Dentistry, Athens, Greece, June 15-18, 2011. International Journal of Pediatric Dentistry* **21** (Suppl. 1): 223, 2011.
63. Graff M, Gordon-Larsen P, Ngwa JS, Workalemahu T, Lu Q, Esko T, Metspalu A, Amin N, Schlessinger D, Fox CS, Cupples LA, Berndt S, Strachan D, Teumer A, Voelzke H, Scheet P, Schurmann C, Van Dam RM, North K, Schaffer JR, Marazita ML, Crout R, White CC, van Duijn CM. A meta-analysis of genetic loci for BMI in adolescence. *Oral platform presentation: Obesity 2011, 29th Annual Scientific Meeting, Orlando, Florida, USA, October 1-5, 2011. Obesity* **19** (Suppl. 1): S65, 2011.
64. Graff M, Gordon-Larsen P, White CC, Ngwa JS, Workalemahu T, Esko T, Amin N, Scheet P, Schurmann C, Teumer A, Fox CS, Lu QI, Van Dam RM, Strachan D, Metspalu A, van Duijn CM, Schlessinger D, Voelzke H, Schaffer JR, Marazita ML, Crout RJ, North K, Berndt S, Cupples L. The association between 32 common genetic BMI loci and longitudinal BMI across the transition from adolescence to young adulthood: a meta-analysis. *Poster: Obesity 2011, 29th Annual Scientific Meeting, Orlando, Florida, USA, October 1-5, 2011. Obesity* **19** (Suppl. 1): S231, 2011.
65. Geller F, Feenstra B, Zhang H, Shaffer JR, Hansen T, Boyd HA, Nohr EA, Timpson NJ, Evans DM, Weyant RJ, Levy SM, Lathrop M, Davey Smith G, Murray JC, Werge T, Marazita ML, Sørensen TIA, Melbye M. Genome-wide association study identifies four loci associated with eruption of permanent teeth (Abstract #699; www.icgh 2011.org). *Poster: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.*
66. Laurie CC, Laurie CA, Doheny K, Zelnick L, McHugh C, Shen J, Zheng X, Ling H, Hetrick K, Pugh E, Mirel D, Amos C, Beaty T, Bierut L, Caporaso N, Freedman N, Feingold E, Li J, Haiman C, Heit J, Lowe W, Manolio T, Marazita M, Murray J, Pasquale L, Jarvik G, Ruczinski I, Seshan V, Weir B, GENEVA consortium. Somatic mosaicism of large chromosomal anomalies in blood cells of normal adults (Abstract #129; www.icgh 2011.org). *Oral platform presentation: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.*
67. Lee M, T.Cuenco K, Zhen Z, Shaffer JR, Wang X, Barmada MM, Weyant RJ, Crout RJ, McNeil DW, Weeks DE, Feingold E, Marazita ML. Identification of gene networks for caries of pit and fissure vs. smooth tooth surfaces through GWAS and protein network integration (Abstract #708; www.icgh 2011.org). *Poster: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.*
68. Shaffer JR, Zeng Z, Wang X, Lee M, T.Cuenco K, Barmada MM, Polk DE, Weyant RJ, Crout R, McNeil DW, Weeks DE, Feingold E, Marazita ML. In silico candidate gene study for childhood tooth decay (Abstract #658; www.icgh 2011.org). *Poster: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.*
69. Wang X, Vieira AR, Shaffer JR, Begum F, Lee M, T.Cuenco K, Zheng Z, Polk DE, Barmada MM, Noel J, Anjomshoa I, Weeks DE, Feingold E, Marazita ML. Follow-up GWAS analysis and in silico

candidate gene study for dental caries in permanent dentition (Abstract #743; www.icgh 2011.org). *Poster*: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.

70. Zeng Z, Shaffer JR, Wang X, Lee M, T.Cuenco K, Barmada MM, Polk DE, Weyant RJ, Crout R, McNeil DW, Weeks DE, Feingold E, Marazita ML. GWAS for childhood tooth decay implicates novel genes for pit and fissure and smooth surfaces (Abstract #652; www.icgh 2011.org). *Poster*: 12th International Conference of Human Genetics and 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.
71. McNeil DW, Arnwine C, Vargovich AM, Randall CL, Harris M, Weinstein B. Persistence of emotional pain, trauma, and joy across time. *Poster*: 45th Annual Convention of the Association for Behavioral and Cognitive Therapies, Toronto, Ontario, Canada, November 10-13, 2011.
72. Randall CL, Vargovich AM, Warman P, Hamer C, Weinstein B, McNeil DW. Prediction of PTSD symptoms: The role of emotional pain and depression. *Poster*: 45th Annual Convention of the Association for Behavioral and Cognitive Therapies, Toronto, Ontario, Canada, November 10-13, 2011.
73. Shulman GP, Randall CL, McNeil DW. The gagging reflex's association with dental fear in Appalachia. *Poster*: 45th Annual Convention of the Association for Behavioral and Cognitive Therapies (Behavioral Medicine Special Interest Group), Toronto, Ontario, Canada, November 10 - 13, 2011.
74. Vargovich AM, Randall CL, Shulman G, Clemens S, Ho C, Myers A, McNeil DW. Physical pain tolerance in individuals with a significant history of emotional pain. *Poster*: 45th Annual Convention of the Association for Behavioral and Cognitive Therapies, Toronto, Ontario, Canada, November 10-13, 2011.
75. McNeil DW, Heaton L, Randall CL. Understanding and assessing dental anxiety, fear, and phobia (Lunch and Learning #26639). *Oral platform presentation*: 41st Annual Meeting of the American Association for Dental Research, Tampa, Florida, USA, March 21-24, 2012.
76. Randall CL, McNeil DW, Stuchell RN. Beliefs and fears about the dentist in an emergency clinic (Abstract #1412). *Poster*: 41st Annual Meeting of the American Association for Dental Research, Tampa, Florida, USA, March 21-24, 2012.
77. McNeil DW, Randall CL, Shulman GP. The relation between gagging and beliefs about dentists and dental treatment. *Poster*: 33rd Annual Meeting & Scientific Session of the Society of Behavioral Medicine, New Orleans, Louisiana, USA, April 11-14, 2012.
78. Vargovich AM, Randall CL, Quentin L, Shulman GP, McNeil, DW. Influences of anxiety sensitivity and posttraumatic stress symptomatology on pain responsivity. *Poster*: 33rd Annual Meeting & Scientific Session of the Society of Behavioral Medicine, New Orleans, Louisiana, USA, April 11-14, 2012.
79. McNeil DW, Randall CL. Predicting emergency dental service utilization in Appalachia over a decade. *Oral platform presentation*: 90th General Session of the International Association for Dental Research, Iguaçú Falls, Brazil, June 20-23, 2012.

80. Randall CL, Shaffer JR, Wang X, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Relation between dental fear and fear of pain: how heritable? *Oral platform presentation: 90th General Session of the International Association for Dental Research, Iguacu Falls, Brazil, June 20-23, 2012.*

Recipient of the 2012 IADR Behavioral, Epidemiologic and Health Services Research (BEHSR) Outstanding Student Abstract Award.

81. Srinivasan U, Wen A, Zhang L, Marrs CF, Goldberg D, Thomas J, Weyant R, Crout R, McNeil D, Marazita M, Foxman B. Changes in oral microbiota profiles associated with caries: a pilot study. *Oral platform presentation: International Society for Microbial Ecology, Copenhagen, Denmark, August 19-24, 2012.*
82. Srinivasan U, Wen A, Marrs C, Zhang L, Weyant B, McNeil D, Marazita M, Crout R, Foxman B. Exploring the effect of dentition, dental decay and familiarity on oral health using metabolomics. *Oral platform presentation: 11th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases. New Orleans, Louisiana, USA, October 30-November 2, 2012.*
83. Harari O, Goate A, GENEVA Alcohol Consumption Working Group. Pathway analysis of the GENEVA Alcohol Consumption GWAS Meta-Analysis (Abstract #2228F). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
84. Lee M, T.Cuenco K, Zeng Z, Wang X, Shaffer JR, Feingold E, Weeks DE, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Identification of host gene-gene interaction in saliva flow and *Streptococcus mutans* using MDR (Abstract #1471F). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
85. Lewis D, Feingold E, Zeng Z, Shaffer J, Wang X, Weyant R, McNeil D, Marazita M. The effect of race, sex, age, socioeconomic, behavioral factors, and genetics on dental caries in different tooth surfaces (Abstract #2034W). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
86. Mukhopadhyay N, Govil M, Zheng Z, Feingold E, Weeks DE, Shaffer JR, Wang X, Weyant RJ, Crout R, McNeil DW, Marazita ML. Whole genome linkage analysis to identify genes for childhood dental caries (Abstract #2178W). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
87. Shaffer JR, Feingold E, Wang X, Lee M, T.Cuenco K, Weeks DE, Weyant RJ, Crout R, McNeil DW, Marazita ML. GWAS needs a good phenotype: clustering tooth surfaces into biologically-informative dental caries outcomes (Abstract #2142W). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
88. T.Cuenco K, Lee MK, Zeng Z, Shaffer JR, Wang X, Feingold E, Weeks DE, Levy SM, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Overlapping G x G interactions associated with caries in permanent and primary dentition (Abstract #1464T). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, USA, November 6-10, 2012.*
89. Wang X, Zeng Z, Shaffer JR, Feingold E, Weeks DE, Lee M, T.Cuenco K, Weyant RJ, Crout R, McNeil DW, Marazita ML. OFCD syndrome gene BCOR is associated with dental caries (Abstract #2156F). *Poster: 62nd Annual Meeting of the American Society of Human Genetics, San Francisco,*

California, USA, November 6-10, 2012.

90. McNeil DW, Randall CL, Crout RJ, Weyant RJ, Marazita ML. Age-associated dental fear and fear of pain in adolescence (Abstract #245). *Oral platform presentation: IADR/AADR/CADR 91st General Session, Seattle, Washington, USA, March 20-23, 2013. Journal of Dental Research* **92** (Special Issue A): 245, 2013. (www.dentalresearch.org).
91. Mukhopadhyay N, Govil M, Zeng Z, Feingold E, Weeks DE, Shaffer JR, Wang X, Weyant RJ, Crout RJ, McNeil DW, Marazita ML. Genome-wide linkage analysis to identify risk genes for dental caries (Abstract #2899). *Oral platform presentation: IADR/AADR/CADR 91st General Session & Exhibition, Seattle, Washington, USA, March 20-23, 2013. Journal of Dental Research* **92** (Special Issue A): 2899, 2013. (www.dentalresearch.org; www.iadr.org).
92. Randall CL, McNeil DW, Wiener RC, Crout RJ, Weyant RJ, Marazita ML. Fears about pain and dentistry as predictors of oral health (Abstract #246). *Oral platform presentation: IADR/AADR/CADR 91st General Session, Seattle, Washington, USA, March 20-23, 2013. Journal of Dental Research* **92** (Special Issue A): 246, 2013. (www.dentalresearch.org).
93. Wiener RC, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Cariology and dental fear in Appalachian youth and adults (Abstract #796). *Poster: IADR/AADR/CADR 91st General Session, Seattle, Washington, USA, March 20-23, 2013. Journal of Dental Research* **92** (Special Issue A): 796, 2013. (www.dentalresearch.org).
94. Crout R, McNeil DW, Weyant R, Foxman B, Casto GT, Marazita ML. Genetic factors contributing to oral health disparities in Appalachia: Review of study findings, follow-up research and implication for education and practice. *Oral platform presentation: 21st Annual West Virginia Rural Health Conference, Roanoke, West Virginia, USA, October 21-23, 2013.*
95. Lewis D, Shaffer JR, Feingold E, Cooper M, Weyant RJ, McNeil D, Crout R, Reis S, Vieira A, Vanyukov M, Marazita M. Replication of GWAS results for dental caries in the permanent dentition (Abstract #930W). *Poster: 63rd Annual Meeting of the American Society of Human Genetics, Boston, Massachusetts, USA, October 22-26, 2013.*
96. Shaffer JR, Weyant RJ, Crout R, McNeil DW, Marazita ML. Unexpected pleiotropy: do asthma and dental caries share a genetic basis? (Abstract #1166F). *Poster: 63rd Annual Meeting of the American Society of Human Genetics, Boston, Massachusetts, USA, October 22-26, 2013.*
97. McNeil DW, Randall CL, Crout RJ, Weyant RJ, Marazita ML. Adolescent fear of pain is a function of parent fear of pain. *Oral platform presentation: 35th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, Pennsylvania, USA, April 23-26, 2014. Annals of Behavioral Medicine* **47**: s277, 2014.
98. Shungin D, Cornelis MC, Divaris K, Holtfreter B, Shaffer JR, Yu YH, Barros SP, Beck JD, Biffar R, Boerwinkle EA, Crout RJ, Ganna A, Hallmans G, Hindy G, Hu FB, Kraft P, McNeil DW, Melander O, Moss KL, North KE, Orho-Melander M, Pedersen NL, Ridker PM, Rimm EB, Rose LM, Rukh G, Teumer A, Weyant RJ, Chasman DI, Joshipura K, Kocher T, Magnusson PKE, Marazita ML, Nilsson P, Offenbacher S, Smith GD, Lundberg P, Palmer TM, Timpson NJ, Johansson I, Franks PW. Is Body Mass Index Causally Related with Periodontitis? Results from Mendelian Randomization study in the Gene-Lifestyle Interactions and Dental Endpoints (GLIDE) Consortium. *Poster: Obesity Week: The 23rd Annual Conference of the International Genetic Epidemiology Society, Vienna, Austria, August*

28 – 30, 2014.

99. Colavincenzo J, Lewis D, Shaffer J, Feingold E, Cooper M, Vanyukov M, Maher B, Reis S, McNeil D, Crout R, Weyant R, Levy S, Vieira A, Marazita M. The role of selected ion channel genes in dental caries (Abstract #971M). *Poster*: 64th Annual Meeting of the American Society of Human Genetics, San Diego, CA, USA, October 18-22, 2014.
100. Lewis D, Shaffer J, Feingold E, Cooper M, Vanyukov M, Maher B, Reis S, McNeil D, Crout R, Weyant R, Levy S, Vieira A, Marazita M. The role of selected ion channel genes in dental caries (Abstract #837T). *Poster*: 64th Annual Meeting of the American Society of Human Genetics, San Diego, CA, USA, October 18-22, 2014.
101. Shungin D, Cornelis MC, Divaris K, Holtfreter B, Shaffer JR, Yu YH, Barros SP, Beck JD, Biffar R, Boerwinkle EA, Crout RJ, Ganna A, Hallmans G, Hindy G, Hu FB, Kraft P, McNeil DW, Melander O, Moss KL, North KE, Orho-Melander M, Pedersen NL, Ridker PM, Rimm EB, Rose LM, Rukh G, Teumer A, Weyant RJ, Chasman DI, Joshipura K, Kocher T, Magnusson PKE, Marazita ML, Nilsson P, Offenbacher S, Smith GD, Lundberg P, Palmer TM, Timpson NJ, Johansson I, Franks PW. Is Body Mass Index Causally Related with Periodontitis? Results from Mendelian Randomization study in the Gene-Lifestyle Interactions and Dental Endpoints (GLIDE) Consortium. *Poster*: Obesity Week: the Annual Meetings of the American Society for Metabolic and Bariatric Surgery and The Obesity Society, Boston, Massachusetts, USA, November 2 – 7, 2014.
102. Ward DM, Randall CL, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Oral health status of African Americans living in Appalachia: The role of dental care-related fear, fear of pain, and health locus of control. *Poster*: 48th Annual Convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA, USA. November 20-23, 2014.
103. Crout R, Casto G, McNeil DW, Weyant R, Chapman S, Hobbs G, Marazita M. Oral health disparity research in Appalachia: West Virginia recruitment strategies (Abstract 4144). *Poster*: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. *Journal of Dental Research* **94** (Special Issue A): 4144, 2015. (www.dentalresearch.org).
104. Duverger O, O'Hara T, Shaffer JR, Donahue D, Zervas P, Dullnig A, Creceluis C, Beniash E, Marazita ML, Morasso MI. Hair keratins as structural organic components of mature enamel: the link between hair disorders and susceptibility of dental caries (Abstract 3419). *Oral platform presentation*: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. *Journal of Dental Research* **94** (Special Issue A): 3419, 2015. (www.dentalresearch.org).
105. Foxman B, Srinivasan U, Li JL, Shedden K, Crout RJ, McNeil DW, Weyant R, Marazita ML. Effects of family, dentition and dental caries on the oral microbiome (Abstract 2627). *Poster*: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. *Journal of Dental Research* **94** (Special Issue A): 2627, 2015. (www.dentalresearch.org).
106. Hayes SE, McNeil DW, Polk D, Metzger A, Neiswanger K, Crout RJ, Weyant RJ, Foxman B, Marazita ML. Educational level and depression predict oral health status among antenatal women in north central Appalachia (Abstract 216). *Epidemiology Forum Oral platform presentation*: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. *Journal of Dental Research* **94** (Special Issue A): 216, 2015. (www.dentalresearch.org).
107. Lewis D, Shaffer J, Feingold E, Weyant R, McNeil DW, Crout RJ, Reis SE, Levy S, Vanyukov M,

Vieira A, Marazita ML. GWAS follow-up study of caries in the permanent dentition (Abstract 3092). *Poster: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 3092, 2015. (www.dentalresearch.org).

108. Luo T, Srinivasan U, Ramadugu K, Trumble E, Li J, Neiswanger K, McNeil DW, Crout RJ, Weyant R, Marazita ML, Foxman B. Validation of specimen collection methods for oral microbial community analysis (Abstract 4083). *Poster: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 4083, 2015. (www.dentalresearch.org).
109. McNeil DW. Sugar-sweetened beverages and oral health issues in Northern Appalachia (Abstract 3364). *Oral platform presentation: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 3364, 2015. (www.dentalresearch.org).
110. Mukhopadhyay N, Govil M, Feingold E, Shaffer J, McNeil DW, Weyant R, Crout RJ, Slayton RL, Levy S, Vieira A, Marazita ML. Multi-population study of risk genes for age-adjusted dental caries (Abstract 493). *Oral platform presentation: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 493, 2015. (www.dentalresearch.org).
111. Randall CL, Shaffer J, McNeil DW, Crout RJ, Weyant R, Marazita ML. Dental fear and MCR1 genotype: fear of pain as mediator (Abstract 2478). *Poster: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 2478, 2015. (www.dentalresearch.org).
- Awarded the Outstanding Pre-Doctoral Student Abstract by the Behavioral, Epidemiologic and Health Services Research Group (BEHSR) of the International Association for Dental Research (IADR).**
112. Shaffer JR, Carlson JC, McNeil DW, Weyant R, Crout RJ, Feingold E, Marazita ML. Dioxin receptor gene AHR is associated with early childhood caries (Abstract 1952). *Oral platform presentation: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015. Journal of Dental Research* **94** (Special Issue A): 1952, 2015. (www.dentalresearch.org).
113. McNeil DW, Hayes SE, Randall CL, Polk DE, Neiswanger K, Shaffer JR, Weyant RJ, Foxman B, Kao E, Crout RJ, Chapman S, Brown LJ, Law M, Kerwin E, Maurer JL, Marazita ML. Oral health among pregnant women in northern Appalachia: Effects of depression and rurality. *Oral platform presentation: West Virginia Clinical and Translational Science Meeting & Appalachian Translational Research Network Health Summit, Charleston, West Virginia, USA, October 16, 2015.*
Awarded a Top Presentation Award.
114. Hayes SE, McNeil DW, Chertok IRA, Wiener RC, Neiswanger K, Maurer JL, Crout RJ, Weyant RJ, Foxman B, Marazita ML. Association of maternal gingival health and breastfeeding in a cohort of postpartum women in north central Appalachia. *Poster: Hinman Student Research Symposium, Memphis, Tennessee, USA, October 30 – November 1, 2015.*
115. Hayes SE, McNeil DW, Chertok IRA, Wiener RC, Randall CL, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML. Breastfeeding and smoking predict Appalachian maternal oral health. *Oral platform presentation: 45th Annual AADR Meeting & Exhibition/40th Annual CADR Meeting, Los*

Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. (www.dentalresearch.org).

116. McNeil DW, Randall CL, Hayes SE, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML. Perinatal distress associated with oral health in north central Appalachia. *Oral platform presentation: 45th Annual AADR Meeting & Exhibition/40th Annual CADR Meeting*, Los Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. (www.dentalresearch.org).
117. Alotaibi RN, Lee M, Carlson J, Neiswanger K, Shaffer J, Cooper M, McNeil D, Weyant R, Foxman B, Crout RJ, Marazita ML. Role of environmental and behavioral factors on dental caries patterns. *Poster: 45th Annual AADR Meeting & Exhibition/40th Annual CADR Meeting*, Los Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. (www.dentalresearch.org).
118. Ramadugu K, Luo T, Srinivasan U, Gicquelais R, Stafford EB, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Foxman B. The salivary microbiome of mother-infant pairs from 2 to 24 months. *Poster: 13th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases*, Antwerp, Belgium, May 10-13, 2016. **Awarded Best Poster of the meeting.**
119. Ramadugu K, Luo T, Srinivasan U, Gicquelais R, Stafford EB, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Foxman B. Delivery mode and development of the salivary microbiome. *Poster: 16th International Symposium on Microbial Ecology*, Montreal, Canada, August 21-26, 2016.
120. Randall CL, McNeil DW, Shaffer JR, Weyant RJ, Crout RJ, Marazita ML. *MC1R* gene variation and dental care-related fear: Evidence of fear of pain as mediator. *Poster presentation. 66th Annual Meeting of the American Society of Human Genetics*; 2016; Vancouver, British Columbia, CA, October 18-22, 2016.
121. Edwards CB, Wright CD, Randall CL, McNeil DW, Neiswanger K, Crout RJ, Weyant RJ, Foxman B, Marazita ML. Fatalistic thinking and relation to general and oral health among adults in north central Appalachia. *Poster: 50th Annual Convention of the Association for Behavioral and Cognitive Therapies*, New York, New York, USA, October 27-30, 2016.
122. Duverger, O, Shaffer JR, Colavincenzo J, Marazita ML, Morasso MI. Mutations in Keratins Involved in Pachyonychia Congenita are Associated with Dental Enamel Defects. *Submitted. 9th Annual meeting of Enamel Symposium*; 2016, North Yorkshire, UK, October 30 – November 3, 2016.
123. Addicks SH, McNeil DW, Chertok IAZ, Wiener RC, Randall CL, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML. Exploring the associations among oral health, fear of pain, and breastfeeding in a rural Appalachian sample. *Oral platform presentation: IADR/AADR/CADR 95th General Session & Exhibition*, San Francisco, California, USA, March 22-25, 2017.
124. Alotaibi RN, Howe BJ, Chernus JM, Mukhopadhyay N, Sanchez CA, Cooper ME, Deleyiannis FW, Neiswanger K, Resick J, Vieira AR, Shaffer JR, Moreno-Urbe LM, Marazita ML. Genome-wide association study of dental caries in orofacial cleft families. *Poster: IADR/AADR/CADR 95th General Session & Exhibition*, San Francisco, California, USA, March 22-25, 2017.
125. Mukhopadhyay N, Howe BJ, Chernus JM, Alotaibi R, Sanchez CA, Cooper ME, Emanuele BJ, Deleyiannis FW, Neiswanger K, Resick J, Vieira AR, Govil M, Shaffer JR, Moreno-Urbe LM, Marazita ML. Multi-ethnic genome-wide association of caries combining adults and children (Abstract 1836). *Poster: IADR/AADR/CADR 95th General Session & Exhibition*, San Francisco, California, USA, March 22-25, 2017.
126. Randall CL. Dental Care-Related Anxiety and Fear: Conceptualization, Assessment, and Treatment *Oral platform presentation: IADR/AADR/CADR 95th General Session & Exhibition*, San Francisco,

California, USA, March 22-25, 2017.

127. Wright CD, Edwards CB, McNeil DW, Crout RJ, Neiswanger K, Weyant RJ, Foxman B, Marazita ML. Periodontal disease and quality of life: Impact of dental fear. *Poster: IADR/AADR/CADR 95th General Session & Exhibition, San Francisco, California, USA, March 22-25, 2017.*
128. Wright CD, Randall CL, Chernus J, McNeil DW, Feingold E, Neiswanger K, Crout RJ, Weyant RJ, Shaffer JR, Marazita ML. Fear of minor pain is associated with specific genetic loci: Relation to oral health. *Poster: Association for Psychological Science Conference, Boston, Massachusetts, USA, May 25-28, 2017.*
129. Haworth S, Shungin D, van der Tas J, Vucic S, Gomez CM, Yakimov V, Shaffer J, Lee MK, Standl M, Wang C, Bønnelykke K, Waage J, Jesson LE, Nørrisgaard P, Joro R, Seppälä I, Lehtimäki T, Lakka T, Bisgaard H, Pennell C, Kühnisch J, Marazita M, Geller F, Rivadeneira F, Wolvius E, West N, Thomas S, Franks P, Timpson N, Johansson I. Genome wide meta-analysis for dental caries in childhood. *Poster: 67th Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.*
130. Markunas CA, Hancock DB, Guo Y, Reginsson GW, Sherva R, Loukola A, Minica C, Gaddis NC, Lutz SM, Gudbjartsson DF, Young KA, McNeil DW, Qaiser B, Madden PAF, Farrer LA, Vink J, Saccone NL, Neale MC, Kranzler HR, Marazita ML, Boomsma DL, Gelernter J, Kaprio J, Caporaso NE, Thorgeirsson TE, Hokanson JE, Bierut LJ, Cox N, Stefansson K, Johnson EO. Genetically driven gene expression associated with nicotine dependence across ten brain regions reveals novel genes and brain regions. *Oral platform presentation: 67th Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.*
131. Orlova E, Lee MK, Feingold E, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Shaffer JR GWAS of Early Childhood Caries in an Appalachian Population. *Poster: 67th Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.*
132. Shaffer JR, Chernus JM, Randall CL, Wright CD, McNeil DW, Crout RJ, Weyant RJ, Marazita ML. Genome-wide association study of dental treatment-related fear and anxiety nominates novel genes. *Poster: 67th Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.*
133. Shungin D, Haworth S, Teumer A, Alaraudanjoki V, Divaris K, Grinde K, Hindy G, Holtfreter B, Lee MK, Pesonen P, Agler C, Anttonen V, Kocher T, Marazita ML, Offenbacher S, Orho-Melander M, John R, Shaffer JR, Sofer T, Franks PW, Timpson NJ, Johansson I. Meta-analysis of GWAS elucidates genetic architecture of dental caries. *Poster: 67th Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.*
134. Arias MC, Wright CD, Flatley M, Manegold EM, Kao E, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML, McNeil DW. Smoking during and after pregnancy in West Virginia: Targeting time points for intervention. *Poster: West Virginia Rural health Association Conference, Davis, West Virginia, USA, October 2017.*
135. Wright CD, McNeil DW, Neiswanger K, Foxman B, Weyant RJ, Crout RJ, Marazita ML. Oral health implications of depressive symptom trajectories in perinatal women. *Oral platform presentation: Hinman Student Research Symposium, Memphis, TN, USA, November 3-5, 2017. Student representative for WVU School of Dentistry*
136. Wright CD, McNeil DW, Manegold EM, Addicks SH, Neiswanger K, Crout RJ, Weyant RJ, Foxman B, Marazita ML. Depression trajectories of perinatal and postpartum women in Appalachia: Results of a latent class growth analysis. *Poster: 51st Annual Convention of the Association for Behavioral and Cognitive Therapies, San Diego, CA, USA, November 16-19, 2017.*

137. Markunas CA, Hancock DB, Guo Y, Corradin O, Reginsson GW, Sherva R, Loukola A, Minica C, Gaddis NC, Lutz SM, Gudbjartsson DF, Young KA, McNeil DW, Palviainen T, Madden PAF, Farrer LA, Vink J, Saccone NL, Neale MC, Kranzler HR, Marazita ML, Boomsma DL, Gelernter J, Kaprio J, Caporaso NE, Thorgeirsson TE, Hokanson JE, Bierut LJ, Cox N, Stefansson K, Johnson EO. Genetically driven gene expression associated with nicotine dependence across ten brain regions reveals novel genes and brain regions. *Oral platform presentation*: NIDA Genetics Consortium Meeting; Rockville, Maryland, USA, January 8-9, 2018.
138. Arias MC, Wright CD, McNeil DW, Kao EC, Alexander L, Neiswanger K, Weyant R, Foxman B, Crout RJ, Marazita ML. Smoking trajectories during pregnancy and postpartum in north central Appalachia. *Oral platform presentation*: 47th Annual AADR Meeting & Exhibition/42th Annual CADR Meeting, Fort Lauderdale, FL, USA, March 21-24, 2018.
139. Kao EC, Arias MC, McNeil DW, Alexander L, Neiswanger K, Weyant R, Foxman B, Crout RJ, Marazita ML. Postpartum smoking: depression, stress, and oral health in Appalachia. *Poster*: 47th Annual AADR Meeting & Exhibition/42th Annual CADR Meeting, Fort Lauderdale, FL, USA, March 21-24, 2018.
140. Meadows Y, Hamrick C, Dieringer BM, Dillon JC, Randall CL, Neiswanger K, Crout RJ, Weyant R, Marazita ML, McNeil DW. Exploring intergenerational transmission of dental fear in school-aged children. *Poster*: 47th Annual AADR Meeting & Exhibition/42th Annual CADR Meeting, Fort Lauderdale, FL, USA, March 21-24, 2018.
141. Wright CD, Arias MC, McNeil DW, Neiswanger K, Crout RJ, Weyant R, Foxman B, Marazita ML. Gingival health trajectories and perceived stress during the perinatal period. *Oral platform presentation*: 47th Annual AADR Meeting & Exhibition/42th Annual CADR Meeting, Fort Lauderdale, FL, USA, March 21-24, 2018.
142. Zhou Y, Cuddy R, McNeil DW, Wright C, Polk D, Crout RJ, Weyant R, Feingold E, Neiswanger K, Marazita ML, Shaffer JR. Oral health and dental utilization differs by rurality in Appalachia. *Oral platform presentation*: 47th Annual AADR Meeting & Exhibition/42th Annual CADR Meeting, Fort Lauderdale, FL, USA, March 21-24, 2018.
143. Alexander L, McNeil DW, Arias MC, Wright CD, Kao E, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML (2957971). Implications of perinatal smoking trajectories in Appalachia in the USA. *Oral Platform Presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
144. Alotaibi RN, Chernus JM, Neiswanger K, Mukhopadhyay N, Howe B, Moreno-Urbe LM, Sanchez C, Vieira AR, McNeil DW, Shaffer JR, Marazita ML. Genome-wide association study of dental caries in diverse Caucasian populations (2959634). *Oral platform presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
145. Blostein F, Jansen EC, Jones AD, Marazita ML, Foxman B. Dietary patterns and dental decay among teenagers and adults (2960118). *Poster*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
146. Burgette J, Polk DE, Shah N, Malik A, Crout RJ, McNeil, Foxman B, Weyant RJ, Marazita ML. Mother's perceived social support and children's dental caries in northern Appalachia (2956115). *Oral Platform Presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
147. McNeil DW, Shaffer JR, Chernus JM, Randall CL, Wright CD, Liu D, Crout RJ, Weyant RJ, Neiswanger K, Marazita ML.. Biological influences on dental fear and anxiety: Genome-wide

- association study (2960779). *Oral Platform Presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018. 147.
148. Orlova E, Carlson JC, Lee MK, Feingold E, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Shaffer JR. Genome Scans of Caries in African-Americans Show Genetic Heterogeneity (2960346). *Oral platform presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
 149. Orlova E, Chernus J, Carlson JC, Lee MK, Feingold E, McNeil DW, Crout RJ, Weyant RJ, Marazita ML, Shaffer JR. GWAS genome scans of early childhood caries phenotypes identify novel associations (2960655). *Oral platform presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
 150. Ramadugu K, Jiang W, Salzman B, Davis E, Rickard A, Neiswanger K, McNeil D, Marazita M, Foxman B (2959857). *Candida albicans* and caries in post-partum Appalachian women (2959857). *Poster*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
 151. Haworth S (GLIDE Consortium). 69 genetic loci discovered for dental disease in 506,667 adults (2956337). *Oral Platform Presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
 152. Shungin D (GLIDE Consortium). Shared genetic contributions between oral and general health using GWAS in 506,667 adults (2955892). *Oral Platform Presentation*: 96th General Session and Exhibition of the IADR, London, England, July 25-28, 2018.
 153. Blostein F, Foote S, Salzman E, Martin E, Marazita M, Foxman B. Herpes virus acquisition in infancy: association with the salivary microbiome? (MEEG2018_0304). *Poster*: 14th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infections Disease (MEEGID XIV), Sitges, Spain, November 6 – 9, 2018.
 154. Nelson CI, Wright CD, Arias MC, McNeil DW, Kao E, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML. Effects of maternal depression and oral health on child oral health. *Abstract*: 52nd Annual Convention of the Association for Behavioral and Cognitive Therapies, Washington, D.C., USA, November 15-18, 2018.
 155. Nelson CI, Kao E, Neiswanger K, Alexander L, Weyant RJ, Foxman B, Crout RJ, Marazita ML, McNeil DW. Pregnancy effects on pain-related and dental fears in Appalachian women. *Poster*: 31st APS Annual Convention, Washington, DC, USA, May 23-26, 2019.
 156. Nelson CI, Durkin K, Williford DN, Alexander L, Kao, E, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Marazita ML, McNeil DW. Effects of Culture and Pregnancy on Fear of Pain in Appalachian Women. *Poster*: IADR/AADR/CADR/ 97th General Session and Exhibition, Vancouver, BC, Canada, June 19-22, 2019.
 157. Snell AK, Burgette J, Weyant RJ, Crout R, McNeil DW, Foxman B, Marazita ML. Concordance between mother's perception and child dental caries experience (3169277). *Oral Platform Presentation*: IADR/AADR/CADR/ 97th General Session and Exhibition, Vancouver, BC, Canada, June 19-22, 2019. Awarded an AADR Bloc Travel Grant.
 158. Wright CD, McNeil DW. Gastrointestinal distress as mediator between psychological stress and periodontal inflammation (3185243). *Oral Platform Presentation*: IADR/AADR/CADR/ 97th General Session and Exhibition, Vancouver, BC, Canada, June 19-22, 2019.
 159. Quach BC, Bray M, Gaddis NC, Liu M, Palviainen T, Reginsson GW, Zellers S, Sherva R, Minica CC, Aliev F, Nothnagel M, Young KA, Young H, Marks J, Guo Y, Waldrop, A Landi MT, McNeil DW, Farrer LA, Markunas CA, Vink J, Iacono WG, Kranzler HR, Saccone NL, Neale MC, Madden P,

Rietschel M, Marazita ML, McGue M, Baker TB, Winterer G, Grucza R, Boomsma DI, Dick D, Gelernter J, Thorgeirsson TE, Caporaso NE, Kaprio J, Stefansson K, Hokanson JE, Vrieze S, Bierut LJ, Johnson EO, Hancock DB. Genome-wide association meta-analysis of nicotine dependence reveals novel loci and shared genetic influences with multiple traits: Findings from the iNDiGO (Nicotine Dependence GenOmics) consortium (Program #2193/W). *Poster*: 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, USA, October 15-18, 2019,

160. Zhou Y, McNeil DW, Wehby GL, Deleyiannis FW, Hecht JT, Weyant RJ, Crout RJ, Feingold E, Marazita ML, Shaffer JR. Common and low-frequency coding variants at the ERN1 and XBP1 loci are associated with dental caries in the primary dentition. *Poster*: 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, USA, October 15-19, 2019.
161. Brumbaugh JT, Nelson CI, Kao E, Neiswanger K, Weyant RJ, Foxman B, Crout RJ, Alexander L, Marazita ML, McNeil DW. Associations between orofacial pain and psychological distress in pregnant women. *Submitted*: 53rd Annual Convention of the Association for Behavioral and Cognitive Therapies, Atlanta, GA, USA, November 21-24, 2019.
162. Alotaibi RN, Howe BJ, Moreno Uribe LM, Valencia-Ramirez L, Restrepo-Muñeton C, Deleyiannis F, Padilla C, Orioli IM, Buxó-Martínez CJ, Hecht JT, Wehby GL, Neiswanger K, Shaffer JR, Weinberg SM, Marazita ML. Multivariate GWAS of correlated dental traits in a multiethnic cohort (3321231). *Oral Platform Presentation*: IADR/AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
163. Brumbaugh J, Nelson CI, Wright CD, Kao EC, Neiswanger K, Weyant R, Foxman B, Crout RJ, Alexander L, Marazita ML, McNeil DW. Toothache and psychological distress in women during and after pregnancy (3321257). *Poster*: IADR/AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
164. Burgette JM, Dahl Z, Marquart NA, Brown LJ, Weyant R, McNeil DW, Crout RJ, Foxman B, Marazita ML. Pilot analysis on mother's social network and child dental utilization (3310979). *Oral Platform Presentation*: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.

Winner of the Joseph Lister Award for New Investigators

165. Dahl Z, Marquart NA, Brown LJ, Weyant R, McNeil DW, Crout RJ, Foxman B, Marazita ML, Burgette JM. Opposition to the age one dental visit by dentists (3305811). *Oral Platform Presentation*: IADR/AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
166. Marquart NA, Dahl Z, Brown LJ, Weyant R, McNeil DW, Crout RJ, Foxman B, Marazita ML, Burgette JM. Influence of researchers on mother-child dental experience (3314655). *Oral Platform Presentation*: IADR/AADR/ CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
167. Mukhopadhyay N, Shaffer JR, Neiswanger K, Weyant R, Foxman B, Crout RJ, McNeil DW, Marazita ML. Identifying genes underlying lifetime caries risk in an Appalachian sample (3314857). *ePoster*: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
168. Orlova E, Mukhopadhyay N, Lee M, McNeil DW, Crout RJ, Weyant R, Feingold E, Shaffer JR, Marazita ML. Exome-wide rare variant analysis of early childhood caries. *ePoster*: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.
169. Shaffer JR, McNeil DW, Zhou Y, Brumbaugh J, Wright CD, Randall CL, Chernus J, Foxman B, Weyant R, Crout RJ, Reis SE, Marazita ML. Genome-wide scan of dental fear and anxiety nominates

novel genes (3324104). *Oral Platform Presentation: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.*

170. Zhou Y, McNeil DW, Crout RJ, Weyant R, Reis SE, Marazita ML, Shaffer JR. Exome-wide low-frequency coding variants contribute to a chronic periodontitis-related phenotype (3319043). *Oral Platform Presentation and Poster: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.*

Finalist in the AADR Hatton Competition for Postdoctoral Fellows

171. Zou T, Marazita ML, Warren J, Levy S, Shaffer JR. Genome-wide association study of longitudinal dental caries trajectory clusters (3314747). *Poster: IADR/ AADR/CADR/ 98th General Session and Exhibition, Washington, DC, USA, March 18-21, 2020.*
172. Alotaibi RN, Howe B, Moreno Uribe L, Valencia-Ramírez C, Restrepo Muñeton CP, Neiswanger K, Shaffer JR, Weinberg SM, Marazita ML. GWAS of enamel hypoplasia in a multiethnic cohort. *Abstract: 10th International Symposium of Dental Enamel Wheeling, West Virginia, USA, May 3-7, 2020.*
173. Alotaibi RN, Howe B, Moreno Uribe LM, Valencia Ramírez C, Restrepo Muñeton C, Deleyiannis F, Padilla CD, Orioli I, Buxó-Martínez CJ, Hecht JT, Wehby GL, Neiswanger K, Shaffer JR, Weinberg SM, Marazita ML. Multivariate GWAS of correlated dental traits in a multiethnic cohort (0791). *Oral Platform Presentation: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
174. An J, Sokoto KC, Kao EC, Neiswanger K, Foxman B, Shaffer J, Marazita ML, McNeil DW. Effects of depression and stress on maternal oral self-care (1526). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
175. Brumbaugh J, Sokoto K, Hubbard J, Pugh A, Alexander L, McNeil DW. Fears and anxieties about dentistry and COVID-19 among African Americans in Appalachia (0129). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
176. Davis E, Martinez G, Blostein F, Marshall T, Jones AD, Janson E, McNeil DW, Neiswanger K, Marazita ML, Foxman B. Dietary patterns and risk of carious lesions postpartum (0789). *Oral Platform Presentation: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
177. Kao E, Bernstein C, Xiang J, Martin C, Ngan P. Shear bond strength with flash-free brackets and different bonding protocols (2409). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
178. Orlova E, Chernus J, Alotaibi R, Lee MK, Mukhopadhyay N, Feingold E, McNeil DW, Crout RJ, Foxman B, Marazita ML, Shaffer JR. Genome scan of early childhood caries again implicates beta-defensins (1546). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
179. Salman A, Wright CD, Lipinski SM, Heder CM, Woodall WJ, Brown HE, Weaver SE, Gore JJ, Hubbard J, Schincaglia GP, McNeil DW. Association of depression with periodontal parameters in an Appalachian sample (0132). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
180. Sokoto KC, Brumbaugh JT, An J, Polk DE, Platt L, Kao E, Neiswanger K, Foxman B, Shaffer JR, Marazita ML, Alexander L, McNeil DW. Associations between racial discrimination and anxiety/fear in dental settings (0788). *Oral Platform Presentation: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*

181. Weiner RC, Dwibedi N, Shen C, Findley P, Sambamoorthi U. Dental caries in children and acculturation: The healthy-immigrant effect update (0137). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
182. Zhou Y, McNeil DW, Haworth S, Dudding T, Chernus JM, Liu C, Liu D, Wright CD, Brumbaugh J, Randall CL, Weyant RJ, Crout RJ, Foxman B, Reis S, Timpson NJ, Marazita ML, Shaffer JR. Exploring the genetic basis of dental fear and anxiety (0133). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
183. Zou T, Neiswanger K, Feingold E, Foxman B, McNeil DW, Marazita ML, Shaffer JR. Genome-wide survival analysis of dental caries incidence (2250). *Poster: IADR/AADR/CADR/ 99th General Session and Exhibition, Online, July 21-24, 2021*
184. Victory EJ, Tallman TJ, Sokoto KC, Kao E, Foxman B, Shaffer JR, Alexander L, Marazita ML, McNeil DW. Discrimination based on social class in oral healthcare in Appalachia. *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
185. Tallman TJ, Scala BN, Scala CA, Brumbaugh JT, Potter KN, Dahl ZT, Marazita ML, Weyant RJ, McNeil DW, Burgette JM. Mothers' Social Network Influences on Child's Dental Fear and Anxiety. *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
186. Brumbaugh JT, Scala BN, Scala CA, Tallman TJ, Potter KN, Dahl ZT, Marazita ML, Weyant RJ, McNeil DW, Burgette JM. Child's Oral Health Interventions through Mothers' Social Networks: A Qualitative Study. *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
187. An J, Lilly C, Potter K, Kao EC, Foxman B, Shaffer JR, Marazita ML, McNeil DW. Negative Emotion and Oral Self-Care among Women in Appalachia. *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
188. Blostein F, Bhaumik D, Davis E, Salzman E, McNeil DW, Marazita ML, Foxman B. Does mothers' oral microbiome see children's microbiome increasing caries risk? *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
189. Bhaumik D, Wright CD, Marshall TA, Neiswanger K, McNeil DW, Jones AD, Shaffer JR, Marazita ML, Foxman B. Food insecurity and cariogenic food consumption in mothers and children. *Interactive Talk: AADOCR/CADR Annual Meeting and Exhibition, Atlanta, GA, March 21-26, 2022*
190. Lu K, Dahl ZT, Weyant RJ, McNeil DW, Foxman B, Marazita ML, Burgette JM. Factors Affecting Maternal Decision-Making About Grandparents' Dietary Choices for Children. *Interactive Talk: IADR/APR General Session & Exhibition, Online, June 20 – 25, 2022.*

Winner of the IADR Pediatric Oral Health Research Group Student Award

191. Trivedi AV, Dahl ZT, Weyant RJ, McNeil DW, Foxman B, Marazita ML, Burgette JM. Mothers' Experiences of Interpersonal Conflict when Promoting Children's Oral Health. *Interactive Talk: IADR/APR General Session & Exhibition, Online, June 20 – 25, 2022.*
192. An J, Kao E, Foxman B, Shaffer J, Marazita M, McNeil DW. Dental fear and its relation to DMFT. *Interactive Talk: IADR/APR General Session & Exhibition, Online, June 20 – 25, 2022.*
193. Brumbaugh J, Marazita M, Lilly C, McNeil DW. Oral health genetic testing: Insights on patient preferences. *Interactive Talk: IADR/APR General Session & Exhibition, Online, June 20 – 25, 2022.*
194. Heima M, Yoshitomi Y, Fukata R, Yamasaki T, McNeil DW. Test-retest reliability of Japanese questionnaires for fear of pain. *Interactive Talk: IADR/APR General Session & Exhibition, Online, June 20 – 25, 2022.*

195. Blostein F, Bhaumik D, Davis E, Salzman E, McNeil DW, Shaffer JR, Marazita ML, Foxman B. Early life assembly of the salivary microbiome is associated with maternal microbiome and future dental caries. *Oral presentation*: Conference on Beneficial Microbes, Madison, WI, July 12, 2022
196. Orlova E, Dudding T, Chernus JM, Alotaibi RN, Haworth S, Crout RJ, Lee MK, Mukhopadhyay N, Feingold E, . Levy SM, McNeil DW, Foxman B, Weyant RJ, Timpson NJ, Marazita ML, Shaffer JR. Genome scans of early childhood caries implicate bitter taste receptors. American Society of Human Genetics Annual Meeting, Los Angeles, CA, October 25-29, 2022
197. Zou T, Foxman B, McNeil DW, Marazita ML, Shaffer JR. Genome-wide analyses of dental caries variability identifies genotype-by-environment interactions. American Society of Human Genetics Annual Meeting, Los Angeles, CA, October 25-29, 2022

MEETING SYMPOSIA:

1. McNeil DW, Organizer. Understanding and assessing dental anxiety, fear, and phobia (Session 26639). *Lunch and Learning*: 41st Annual Meeting of the American Association for Dental Research, Tampa, Florida, USA, March 21-24, 2012.
2. McNeil DW, Chair. Dental fear and anxiety: behavioral sequelae over time. *Symposium*: 90th General Session of the International Association for Dental Research, Iguazu Falls, Brazil, June 20-23, 2012.
3. Armfield JM, McNeil DW, Chairs. Dental Fear and Oral Health in Challenging Population Groups. *Oral Session #55*: IADR/AADR/CADR 91st General Session, Seattle, Washington, USA, March 20-23, 2013.
4. McNeil DW, Marazita, ML, Foxman B, Chairs. Determinants of Oral Health among Families in Appalachia (Session 327). *Symposium*: IADR/AADR/CADR 93rd General Session & Exhibition, Boston, Massachusetts, USA, March 11-14, 2015.
5. McNeil DW, Chair. Behavioral Dentistry: Evidence-Basis and Vision for the Future. *Symposium*: IADR/AADR/CADR 95th General Session & Exhibition, San Francisco, California, USA, March 22-25, 2017.
6. McNeil DW, Randall CL, Organizers. Behavioral and Social Oral Health Sciences Summit. *Satellite Symposium* of the IADR/AADR/CADR 98th General Session & Exhibition, Washington, DC, USA, March 16, 2020.