

## COHRA BIBLIOGRAPHY

### STUDENT DISSERTATIONS AND THESES:

1. Whelan, Melanie M. Doctor of Philosophy in Nursing received, 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."
2. Commander, Sara. M.S. in Genetic Counseling received, University of Pittsburgh, 2011. Title of Thesis: "Investigation of Genetic Association of *MMP10* with Dental Caries."
3. Wiener, R. Constance. Doctor of Philosophy in Public Health Sciences received, 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."
4. Zheng, Xiaojing. Doctor of Philosophy in Biostatistics received, University of Pittsburgh, 2012. Title of Dissertation: "Statistical Methods and Analysis for Human Genetic Copy Number Variation and Homozygosity Mapping. Doctoral Dissertation, University of Pittsburgh."
5. Ozbek, Umut. Doctor of Philosophy in Biostatistics received, University of Pittsburgh, 2013. Title of Dissertation: "Statistical Methods for Recovering GWAS Data. Doctoral Dissertation, University of Pittsburgh."
6. Begum, Ferdouse. Doctor of Philosophy in Biostatistics received, University of Pittsburgh, 2013. Title of Dissertation: "GWAS Meta-Analysis: Methodology and Application to Human Meiotic Recombination. Doctoral Dissertation, University of Pittsburgh."
7. Zeng, Zhen. M.S. in Human Genetics received, 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."
8. Lewis, Deyana D. Doctor of Philosophy in Human Genetics received, University of Pittsburgh, 2015. Title of Dissertation: "Candidate Genes and Replication Studies of Dental Caries."
9. Mukhopadhyay, Nandita. Doctor of Philosophy in Human Genetics received, University of Pittsburgh, 2016. Title of Dissertation: "Computational Methods for Calculating Meiotic Recombination from Nuclear Pedigrees."

### PAPERS:

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**NATIONAL MEETING PRESENTATIONS, POSTERS, AND ABSTRACTS:**

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40. Gray D, Thomas J, Crout R, McNeil D, Weyant R, Marazita M. Identifying abiotic consequences of tooth placement utilizing enzymatic detection. *Poster: 87<sup>th</sup> General Session & Exhibition of the IADR/38<sup>th</sup> 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: 87<sup>th</sup> General Session & Exhibition of the IADR/38<sup>th</sup> Annual Meeting of the AADR, Miami, Florida, USA, April 1-4, 2009.*
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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: 59<sup>th</sup> Annual Meeting of the American Society of Human Genetics, Honolulu, Hawaii, USA, October 20-24, 2009.*
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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: 39<sup>th</sup> 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](http://www.dentalresearch.org)).
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*presentation*: 88<sup>th</sup> 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](http://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*: 60<sup>th</sup> 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-COHR study (Abstract/Program #1075). *Poster*: 60<sup>th</sup> Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
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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*: 60<sup>th</sup> Annual Meeting of the American Society of Human Genetics, Washington, DC, USA, November 2-6, 2010.
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- (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](http://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 89<sup>th</sup> General Session, San Diego, California, USA, March 16-19, 2011. *Journal of Dental Research* **90** (Special Issue A): 3357, 2011. ([www.dentalresearch.org](http://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 89<sup>th</sup> General Session, San Diego, California, USA, March 16-19, 2011. *Journal of Dental Research* **90** (Special Issue A): 2109, 2011. ([www.dentalresearch.org](http://www.dentalresearch.org)).
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- adults (Abstract #129; www.icgh 2011.org). *Oral platform presentation*: 12<sup>th</sup> International Conference of Human Genetics and 61<sup>st</sup> 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*: 12<sup>th</sup> International Conference of Human Genetics and 61<sup>st</sup> 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*: 12<sup>th</sup> International Conference of Human Genetics and 61<sup>st</sup> Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011.
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  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*: 12<sup>th</sup> International Conference of Human Genetics and 61<sup>st</sup> 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*: 33<sup>rd</sup> 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*: 33<sup>rd</sup> 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*: 90<sup>th</sup> General Session of the International Association for Dental Research, Iguacu 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*: 90<sup>th</sup> 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*: 11<sup>th</sup> 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*: 62<sup>nd</sup> 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*: 62<sup>nd</sup> 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*: 62<sup>nd</sup> 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: 62<sup>nd</sup> 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: 62<sup>nd</sup> 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: 62<sup>nd</sup> 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: 62<sup>nd</sup> 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](http://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](http://www.dentalresearch.org); [www.iadr.org](http://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](http://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](http://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: 21<sup>st</sup> 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*: 35<sup>th</sup> 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 23<sup>rd</sup> 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*: 48<sup>th</sup> 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](http://www.dentalresearch.org)).

104. Duverger O, O'Hara T, Shaffer JR, Donahue D, Zerfas 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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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*: 45<sup>th</sup> Annual AADR Meeting & Exhibition/40<sup>th</sup> Annual CADR Meeting, Los Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. ([www.dentalresearch.org](http://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*: 45<sup>th</sup> Annual AADR Meeting & Exhibition/40<sup>th</sup> Annual CADR Meeting, Los Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. ([www.dentalresearch.org](http://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*: 45<sup>th</sup> Annual AADR Meeting & Exhibition/40<sup>th</sup> Annual CADR Meeting, Los Angeles, California, USA, March 16-19, 2016. *Journal of Dental Research*, 2016. ([www.dentalresearch.org](http://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*: 13<sup>th</sup> 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*. 66<sup>th</sup> 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*. 9<sup>th</sup> 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. *Presentation*: IADR/AADR/CADR 95th General Session & Exhibition, San Francisco, California, USA, March 22-25, 2017.
124. 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-Uribe 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.
125. Randall CL. Dental Care-Related Anxiety and Fear: Conceptualization, Assessment, and Treatment *Presentation*: IADR/AADR/CADR 95th General Session & Exhibition, San Francisco, California, USA, March 22-25, 2017.
126. 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.
127. 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.
128. 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*: 67<sup>th</sup> Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.
129. 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*: 67<sup>th</sup> Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.
130. 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*: 67<sup>th</sup> Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.
131. 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*: 67<sup>th</sup> Annual Meeting of the American Society of Human Genetics; 2017; Orlando, Florida, USA, October 17-21, 2017.
132. 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.

**NATIONAL 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*: 90<sup>th</sup> General Session of the International Association for Dental Research, Iguacu 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.