

SUSAN W GROTH, PhD, RN, WHNP-BC, FAANP

Address and telephone

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Education

2006	Molecular biology/genetics 12 credits	Georgetown University: Summer Genetics Institute (NINR)
2004	PhD in Nursing	University of Rochester, Rochester, NY
1993	Master of Science in Nursing Women's Health Care NP	University of Rochester, Rochester, NY
1975	Bachelor of Science in Nursing	Roberts Wesleyan College, N. Chili, NY

Professional Development

2016	Precision Health: From 'Omics' to Data Science Boot Camp at NIH/NINR
2011	26 th Molecular Biology Summer Workshops, Smith College, Northampton, MA
2010	Jackson Laboratory 51 st Annual Short Course on Medical and Experimental Mammalian Genetics
2010	NIH Summer Institute on Transdisciplinary Research: Integrating Genetic and Social Work Research
2010	Cells to Society C2S: The Center on Social Disparities and Health Summer Biomarker Institute at Northwestern University
2009	Molecular Epidemiology (graduate course)

Professional Licensure and Certification

1993-present Women's Health Nurse Practitioner, NYS #420258-1
1975-present Registered Professional Nurse, NYS #279803-1

Professional Experience

2017-present	Associate Professor of Nursing with unlimited tenure University of Rochester School of Nursing Rochester, NY
2013-2017	Associate Professor of Nursing University of Rochester School of Nursing Rochester, NY
2007-2013	Assistant Professor of Nursing

University of Rochester School of Nursing
Rochester, NY

1994-2012 Women's Health Nurse Practitioner
Hillside Family of Agencies
Rochester, NY

1994-2008 Women's Health Nurse Practitioner
St Joseph's Neighborhood Center
Rochester, NY

2004-2007 Assistant Professor of Clinical Nursing
University of Rochester School of Nursing
Rochester, NY

1999-2004 Senior Associate
University of Rochester School of Nursing
Rochester, NY

1994-1998 Clinical Instructor of Nursing
University of Rochester School of Nursing
Rochester, NY

1993 Women's Health Nurse Practitioner
William J. Hicks, MD, PC

1975-1992 Registered Nurse, Rochester area hospitals

Research Support

2020-2024 Source: National Heart Lung and Blood Institute
Title: Influence of Prenatal and Early Childhood Home-Visiting
by Nurses on Development of Chronic Disease: 29-year
Follow-Up of a Randomized Clinical Trial
Role: Site PI Total: 6.7 million

2018-2023 Source: National Institute of Nursing Research: R01
Title: Longitudinal Changes in Weight and Biology in the
Pregnancy-Postpartum Period and Subsequent
Cardiometabolic Risk
Role: MPI: contact Principal Investigator Total: 2.6 million

2017-2018 Source: University of Rochester School of Nursing
Research Support Grant
Title: UPSIDE Moms: Longitudinal changes in Weight and
Biology in the Pregnancy-Postpartum Period and
Subsequent Cardiometabolic Risk
Role: Principal Investigator Total: \$15,000

2016 Source: Terry Family Research Fund Award to be used to support

		research efforts. Funds were used to run a 2 nd pilot study in an obstetric practice: Cooking Matters for pregnant women: A collaborative venture with Foodlink	
	Role:	Principal Investigator	Total: \$6,000
2015	Source:	University of Rochester School of Nursing Faculty Research Seed Grant	
	Title:	Cooking Matters for Women's Health Practice Pregnant Women: A collaborative venture with Foodlink	
	Role:	Principal Investigator	Total: \$ 3,462.67
2013	Source:	University of Rochester School of Nursing Faculty Research Seed Grant	
	Title:	Translation of Genetic Predisposition into Family-Based Obesity Intervention	
	Role:	Principal Investigator	Total: \$15,200
2013	Source:	Association of Women's Health, Obstetric, & Neonatal Nurses (AWHONN)/ March of Dimes	
	Title:	The dietary choices of low-income, pregnant African-American women	
	Role:	Principal Investigator	Total: \$9,000
	Goal:	To acquire an understanding of how food choices are made, what barriers exist that prevents adoption of a healthy diet during pregnancy, and what would facilitate adoption of a healthy diet in low-income pregnant women.	
2013	Source:	DNA Genotek	
	Title:	Pregnancy and Telomere Length: Seeking a Relationship	
	Role:	Principal Investigator	Total: \$5,000
2011	Source:	Community Health Supplemental Funds University of Rochester CTSA	
	Title:	Building Partnerships in the Rochester Obstetrics Community	
	Role:	Principal Investigator	Total: \$1000
	Goal:	To build partnerships in the Rochester obstetrics community and increase the presence of research in community obstetrical practices in Rochester	
2010	Source:	Community Health Supplemental Funds University of Rochester CTSA	
	Title:	Auricular Acupuncture in the Management of Adult Obesity	
	Role:	Principal Investigator	Total: \$500

	Goal:	To expand our understanding of the role of acupuncture in weight loss by implementing a randomized cross-over design pilot trial to test the feasibility and application of auricular acupuncture for weight loss.
2010-2011	Source:	University of Rochester School of Nursing Faculty Research Seed Grant
	Title:	Auricular Acupuncture in the Management of Adult Obesity
	Role:	Principal Investigator Total: \$8500
	Goal:	To expand our understanding of the role of acupuncture in weight loss by implementing a randomized cross-over design pilot trial to test the feasibility and application of auricular acupuncture for weight loss.
2009-2012	Source:	National Institute of Nursing Research K23 Mentored Career Development Award
	Title:	Limiting the Phenotypic Effect of Pregnancy Related Weight Gain (K23 NR010748-01A2)
	Role:	Principal Investigator Total: \$387,694
	Goal:	To establish the foundation to develop, test, and implement a physical activity intervention in high-risk African American women using the essential amount of physical activity, based on genotype, to limit excessive weight gain/retention in pregnancy.
2009-2014	Source:	National Heart, Lung, and Blood Institute U01
	Title:	Electronically-mediated Weight Interventions for Pregnant and Postpartum Women (1 U01 HL096760-01 [Fernandez, I.D.]) Sub to Cornell University
	Role:	Co-Investigator Total: \$2,333,368
	Goal:	To decrease the prevalence of excessive pregnancy weight gain and excessive weight retention in the first 18 months postpartum in socio-economically and racially/ethnically diverse sample of both higher and lower income women who enter pregnancy with normal, overweight, and obese body mass indices.
2008-2010	Source:	National Center for Research Resources, NIH CTSI K-L2 Mentored Career Development Award
	Title:	Clarification of the Gene Environment Interaction of the GNB3 Gene and Establishing a Foundation for Genetic-Based Behavioral Intervention Research

		(5 KL2 RR024136-03)
	Role:	Principal Investigator Total: \$218,483
	Goal:	Implement 2 projects to develop expertise as an independent investigator by clarification of the gene-environment interaction of the <i>GNB3</i> gene and establishing a foundation for genetic-based behavioral intervention research.
2008	Source:	National Institutes of Health Clinical and Translational Science Institute Laboratory Support Funds
	Title:	The G Protein $\beta 3$ Subunit C825T Polymorphism and C/T-Haplotype Connections to Maternal/Infant Weight
	Role:	Principal Investigator Total: \$5663
	Goal:	Examine the effects of the <i>GNB3</i> C825T allele on gestational weight gain—laboratory costs
2007-2010	Source:	University of Rochester School of Nursing Faculty Research Seed Grant
	Title:	The G Protein $\beta 3$ Subunit C825T Polymorphism and T-Haplotype Connections to Maternal/Infant Weight
	Role:	Principal Investigator Total: \$12,398
	Goal:	Candidate gene association study to examine the effects of the <i>GNB3</i> C825T allele and haplotypes on gestational weight gain, pregnancy weight change, physical activity and birth weight on 25 African American women.
2004-2005	Source:	University of Rochester School of Nursing Faculty Research Seed Grant
	Title:	New Mothers' Views of Exercise and Weight
	Role:	Principal Investigator Total: \$1000
	Goal:	Identify how new mothers view gestational weight gain and what exercise they would engage in during the first year after childbirth.
2001	Source:	Centers for Disease Control and Prevention R49/CCR219757-01 (Cole R)
	Title:	Socialization Strategy, Temperament & Childhood Injuries
	Role:	Research Assistant
	Goal:	Explore the types of child behaviors that might be associated with accidents and injuries and what mothers might do to prevent such injuries.

Publications (*data-based: §equal contribution: +invited publication: †student and/or mentee)

Dye TDV, Quiñones Tavaréz Z, Pérez Ramos JG, Fernández ID, Vélez Vega C, Vega

- Ocasio D, Avendaño E, Cardona Cordero NR, DiMare Hering C, Dozier AM, **Groth SW** (in press). Participation in genetic research among Latinx populations by Latin America birth-residency concordance: A global study. *Journal of Community Genetics* 2021.
- Barrett, ES, **Groth SW**, Preston, EV, Kinkade, C, James-Todd, T. (in press). Endocrine disrupting chemical exposures in pregnancy: a sensitive window for later-life cardiometabolic health in women. *Current Epidemiology Reports*.
- Groth, SW**, Fernandez, ID, Block, RC, Thurston, SW, Wong, E, Brunner, J, Mayo, N, Kapula, N, Yu, Y, Meng, Y, Yeh, K-L, Kinkade, CW, Thornburg, LL, O'Connor, TG, Barrett, ES. (2021). Biological Changes in the pregnancy-postpartum period and subsequent cardiometabolic risk--UPSIDE MOMS: A research protocol. *Research in Nursing & Health*. <https://doi.org/10.1002/nur.22141>
- ‡*Yu, Y., Fernandez, I.D., Meng, Y., Zhao, W., **Groth, SW** (in press). Gut hormones, adipokines, and pro- and anti-inflammatory cytokines/markers in loss of control eating: A scoping review. *Appetite*
- ‡*Yu, Y., Ma, Q., Fernandez, ID., **Groth, SW**. (2021). Mental health, behavior change skills, and eating behaviors in postpartum women. *Western Journal of Nursing Research* <https://doi.org/10.1177/01939459211021625>.
- ‡Yeh, KL., Kautz, A., Lohse, B., & **Groth, SW**. (2021). Associations between dietary patterns and inflammatory markers during pregnancy: A systematic review. *Nutrients*.
- ‡Yu, Y., Kalarchian, MA., Ma, Q., **Groth, SW**. (in press). Eating patterns and unhealthy weight control behaviors are associated with loss of control eating following bariatric surgery. *Surgery for Obesity and Related Diseases*.
- *Meng, Y., **Groth, SW.**, Hodgkinson, CA., Mariani, TJ (2021). Serotonin system genes contribute to the susceptibility to obesity in black adolescents. *Obesity Science and Practice*, DOI: 10.1002/osp4.511.
- ‡Yu, Y., Burke LE., Shen, Q., Imes, CC., Sun, R., **Groth, S.**, Zhang, W., Kalarchian, MA. (2020). A qualitative exploration of patients' experiences with lifestyle changes after sleeve gastrectomy in China, *Obesity Surgery*. <https://doi.org/10.1007/s11695-020-04653-7>.
- +**Groth, SW** (2020). Pregnancy weight: What happens after childbirth matters, *Journal of Women's Health*. DOI: 10.1089/jwh.2019.8263
- *Rhee, H., Love, T., **Groth, SW.**, Grape, A., Tumiel-Berhalter, L., Harrington, D. (2019). Associations between overweight and obesity and asthma outcomes in urban adolescents, *Journal of Asthma*. DOI: 10.1080/02770903.2019.1633663

- *‡Steinl, GK., Whisner, CM., Pressman, EK., Cooper, EM., **Groth, SW.**, O'Brien, KO. (2018) Patterns and correlates of self-reported physical activity in a cohort of racially diverse pregnant adolescents. *Journal of Pediatric and Adolescent Gynecology*. doi: <https://doi.org/10.1016/j.jpag.2018.09.003>.
- *Holland, ML., **Groth, SW.**, Smith, JA., Meng, Y., Kitzman, HJ. (2018). Low birthweight in second children after home visiting. *Journal of Perinatology*. <https://doi.org/10.1038/s41372-018-0222-8>
- *Olson, CM., **Groth, SW.**, Graham, ML., Reschke, JE., Strawderman, MS., Fernandez, ID. (2018). The effectiveness of an online intervention in preventing excessive gestational weight gain: The e-Moms Roc randomized controlled trial. *BMC Pregnancy and Childbirth*. 18:148. <https://doi.org/10.1186/s12884-018-1767-4>.
- *Meng, Y., **Groth, SW.**, Li, D (2018). The association between obesity-risk genes and gestational weight gain modified by dietary intake in African-American women. *Journal of Nutrition and Metabolism*. Mar 1; 2018:5080492. Volume 2018, Article ID 5080492, 7 pages. doi: 10.1155/2018/5080492 PMID: 29686896. PMCID: PMC5852892
- *‡Kueppers, J., Stein, K.F., **Groth, S.**, & Fernandez, I.D. (2018). Maternal and child dietary intake: The role of maternal healthy-eater self-schema. *Appetite*; 125:527-536. doi: 10.1016/j.appet.2018.01.014. NIHMSID: NIHMS951135. PMID: 29382553. PMCID: PMC5937934
- ***Groth, SW.**, LaLonde, A., Wu, T., Fernandez, ID. (2018). Obesity candidate genes, gestational weight gain and body weight changes in pregnant women. *Nutrition*. 48. 61-66.
- *Meng, Y & **Groth, SW.** (2018). Fathers count: the impact of paternal risk factors on birth outcomes. *Maternal and Child Health Journal*. 22: 401. <https://doi.org/10.1007/s10995-017-2407-8>
- *‡Meng, Y., **Groth, SW.**, Stewart, P., Smith, JA. (2017). An exploration of the determinants of gestational weight gain in African-American women: Genetic factors and energy expenditure. *Biological Research for Nursing*. <https://doi.org/10.1177/1099800417743326>
- ***Groth, SW.**, Holland, ML., Smith, JA., Meng, Y., Kitzman, H. (2017). Adolescent gestational weight gain, prepregnancy BMI percentile and offspring outcomes at age 18. *Journal of Adolescent Health*, doi: 10.1016/j.jadohealth.2017.05.005
- *‡Meng, Y., **Groth, SW.**, Wu, TT., Quinn, J., Bisognano, J. (2017). An exploration of

- gene-gene interactions and their effects on hypertension. *International Journal of Genetics*. Volume 2017, Article ID 7208318, 1-9.
<https://doi.org/10.1155/2017/7208318>
- Alexander, SA., Kalmakis, K., Stewart Fahs, PS., **Groth, SW.**, Chasens, ER. (2017). Biological markers in nursing research. *Journal of Nursing Measurement*. 25 (2), 275-291. DOI: <https://doi.org/10.1891/1061-3749.25.2.275>
- ***Groth, SW.**, Stewart, PA., Ossip, DJ., Block, R., Wixom, N., Fernandez, ID. (2017). Micronutrient intake is inadequate for a sample of pregnant African American women. *Journal of the Academy of Nutrition and Dietetics*, 117:589-598
<http://dx.doi.org/10.1016/j.jand.2016.11.011>
- Groth, SW.**, Holland, ML., Smith, JA., Meng, Y., Kitzman., H. (2017). Effect of gestational weight gain and prepregnancy body mass index in adolescent mothers on weight and body mass index of adolescent offspring. *Journal of Adolescent Health*, 61: 626-633 <https://doi.org/10.1016/j.jadohealth.2017.05.005>
- * **Groth, SW.**, Dozier, A., Demment, M., Li, D., Diana Fernandez, ID., Chang, J., Dye, T. (2016). Participation in genetic research: Amazon's Mechanical Turk workforce in the United States and India weigh In. *Public Health Genomics*, 19: 325-335. PMID: 27811475PMCID: PMC5214551. DOI: 10.1159/000452094
- *‡McKee, KS., Seplaki, C., Fisher, S., **Groth, SW.**, Fernandez, ID. (2017). Cumulative physiologic dysfunction and pregnancy: characterization and association with birth outcomes. *Maternal and Child Health Journal*, 21:147-155. doi: 10.1007/s10995-016-2103-0
- ***Groth, SW.**, Simpson, AH., Fernandez, ID. (2016). The dietary choices of low-income, pregnant African-American women. *Journal of Midwifery and Women's Health*, 61:606-612 doi: 10.1111/jmwh.12463.
- *Dye, TDV., Li, D., Demment, M., **Groth, S.**, Fernandez, ID., Dozier, A., Chang, J. (2016). Sociocultural variation in attitudes toward use of genetic information and participation in genetic research by race in the United States: Implications for precision medicine. *Journal of the American Medical Informatics Association*, 23, 782-786. doi: <http://dx.doi.org/10.1093/jamia/ocv214>
- *§Holland, ML., **Groth, SW.**, Kitzman, H. (2015). Gestational weight gain and health outcomes 18 years later in urban black women. *Maternal and Child Health Journal*, 19(10), 2261-2271. doi: 10.1007/s10995-015-1745-7
- ***Groth, SW.**, Rhee, H., Kitzman, H. (2015). Relationships among obesity, physical activity and sedentary behavior in young adolescents with and without asthma. *Journal of Asthma*, 53(1), 19-24. doi: 10.3109/02770903.2015.1063646.

- *Tantillo, M., McGraw, JS., Hauenstein, EJ., & **Groth, SW.** (2015). Partnering with patients and families to develop an innovative Multifamily Therapy Group treatment for adults with Anorexia Nervosa. *Advances in Eating Disorders: Theory, Research and Practice*, 3(3), 269-287. doi: 10.1080/21662630.2015.1048478
- Fernandez, ID., **Groth SW.**, Reschke, JE., Graham, ML., Strawderman, M., Olson CM. (2015). eMoms: Electronically-mediated weight interventions for pregnant and postpartum women. Study design and baseline characteristics, *Contemporary Clinical Trials*, 43, 63-74. doi: 10.1016/j.cct.2015.04.013
- ***Groth, SW** & Morrison-Beedy, D. (2014). *GNB3* and *FTO* Polymorphisms and Pregnancy Weight Gain in Black Women. *Biological Research for Nursing*, 17(4), 405-12. doi: 10.1177/1099800414561118
- ***Lowmaster Csont, G., Groth, SW., Hopkins, P., & Guillet, R.** (2014). An evidence based approach to breastfeeding neonates at risk for hypoglycemia. *JOGNN*, 43, 71-81. doi: 10.1111/1552-6909, 12272.
- ***Robertson Blackmore, E., Groth, S., Chen, D., Gilchrist, M., O'Connor, TG.** (2014). Depressive symptoms and proinflammatory cytokines across the perinatal period in African American women. *Journal of Psychosomatic Obstetrics and Gynecology*, 35(1), 8-15. doi: 10.3109/0167482X.2013.868879
- ***Groth, SW., Holland, ML., Kitzman, H., Meng, Y.** (2013). Gestational weight gain of African American adolescents affects body mass index 18 years later. *JOGNN*, 42, 541-550. doi: 10.1111/1552-6909.12230
- ***Groth, SW** & Morrison-Beedy, D. (2013). Low-income, pregnant African American women's views on physical activity and diet. *Journal of Midwifery and Women's Health*, 58,195-202. doi:10.1111/j.1542-2011.2012.00203.x. PMC3630256
- ***Groth, SW., Morrison-Beedy, D., & Meng, Y.** (2012). How pregnant African American women view pregnancy weight gain. *JOGNN*, 41,798-808. PMC3473094.
- ***Groth, SW** & Morrison-Beedy, D. (2011). Obesity risk in urban adolescent girls: nutritional intentions and health behavior correlates. *Journal of the New York State Nurses Association*, 42, 15-20. PMC3640335
- ***Groth, SW** & Morrison-Beedy, D. (2010). Smoking, substance use, and mental health correlates in urban adolescent girls. *Journal of Community Health*, 36(4), 552-8. doi: 10.1007/s10900-010-9340-8. PMC3639007
- Groth, SW.** (2010). Honorarium or coercion: use of incentives for participants in clinical research. *Journal of the New York State Nurses Association*, 41, 11-13. NIHMSID 461420

- Groth, SW.** (2010). Adiponectin and polycystic ovary syndrome. *Biological Research for Nursing*, 12(1), 62-72. doi: 10.1177/1099800410371824. PMID: 20498127, 11-13. NIHMSID 461484
- ***Groth, SW** & Kearney, MH. (2009). Diverse women's beliefs about weight gain in pregnancy. *Journal of Midwifery and Women's Health*, 54, 452-457. PMID 19879517. PMC2799189
- Groth, SW.**, Norsen, L., & Kitzman, H. (2010). Long-term outcomes of advanced practice nursing. In Mezey, MD., McGivern, DO., Sullivan-Marx, EM., & Greenberg, SA. (Eds.). *Nurse practitioners: The evolution and future of advanced practice* (5th ed.). New York: Springer.
- ***Groth, SW** & David, T. (2008). New mothers' views of weight and exercise. *MCN The American Journal of Maternal Child Nursing*, 33(6), 364-370. PMID: 8997572
- ***Groth, SW.** (2008). The long term impact of adolescent gestational weight gain. *Research in Nursing and Health*, 31(2), 108-118. PMID: 18181102
- ***Groth, S.** (2007). Are the Institute of Medicine recommendations for gestational weight gain appropriate for adolescents? *JOGNN*, 36, 21-27.
- Groth, S.** (2006). Adolescent gestational weight gain: does it contribute to obesity? *MCN The American Journal of Maternal Child Nursing*, 31, 101-105.
- Kitzman, H & **Groth, S.** (2003). Long-term outcomes of advanced practice nursing. In Mezey, M. D., McGivern, DO., Sullivan-Marx, EM., & Greenberg, SA (Eds.). *Nurse practitioners: Evolution of advanced practice* (4th ed.). New York: Springer.
- Ryan, S., D'Aoust, R., **Groth, S.**, McGee, K., & Small, L. (1997). A faculty on the move into the community. *Nursing and Health Care Perspectives*, 18(3), 138-141, 149.
- Hill, D., Hinton-Walker, P., **Groth, S.**, Chevalier, N., & Springer, A., (1995). Adolescent care: community-based faculty practice in a nursing center. In B. Murphy, (ed.) *Nursing Centers: The Time Is Now*. New York: NLN Press.

Presentations/Published Abstracts/Invited Presentations (#student and/or mentee)

- ‡Kautz, A., Meng, Y., Barrett, ES., Brunner, J., Miller, RK., **Groth, SW.**, O'Connor, TG. (2021). *Associations of Tryptophan, Docosahexaenoic Acid (DHA), and Vitamin D with Sleep Quality and Depression during Pregnancy*. Poster presentation at Nutrition Live 2021, American Society for Nutrition.

- Yu, Y., Ma, Q., Groth, SW. (2021). *Pre-surgical predictors of 30-day follow-up visits after primary bariatric surgery: an analysis of MBSAQIP*. ASMBS meeting June 10-12, 2021.
- ‡Yeh, K-L., Meng, Y., & **Groth, S.W.** (2020). *Evaluating Psychometrics of the Weight-Related Eating Behavior Questionnaire (WREQ) in Pregnant Women*. Virtual poster presentation at Eastern Nursing Research Society (ENRS) 33rd Annual Scientific Session. March 26, 2021
- ‡Yeh, K-L, **Groth, S.W.** (2020). *Associations Between Dietary Patterns and Inflammatory Markers During Pregnancy and Postpartum: A Systematic Review*. Accepted poster presentation at Eastern Nursing Research Society (ENRS) 32nd Annual Scientific Session. March 27, 2020
- ‡Cook CE, Fernandez ID, **Groth S**, Dozier A (2020). *Food package choice and breastfeeding outcomes: Is breastfeeding intention intensity a factor?* Poster presentation at CityMatCH Leadership and MCH Epidemiology Conference (virtual d/t COVID-19).
- Groth, SW.** (2019). *Emergence of cardiometabolic risk: The childbearing years*. Invited podium presentation. Phelps Colloquium, University of Rochester, November, 2019.
- Groth, SW**, Fernandez, ID. (2019). *The Effect of Physical Activity on Postpartum Weight Retention 6 and 12 Months After Childbirth*. Poster presentation at ObesityWeek 2019. Las Vegas, NV, November, 2019.
- Meng, Y, **Groth, SW**, Kitzman H. (2019). *The Association of the Serotonergic Pathway with Obesity and Disinhibited Eating in African American Adolescents*. Poster presentation at ObesityWeek 2019. Las Vegas, NV, November, 2019.
- Perez-Ramos JG, Dye TD, Fernandez ID, Velez Vega C, Vega Ocasio D, Avendaño E, Cardona Cordero N, Di Mare Herring C, Quiñones Tavarez Z, Dozier A, **Groth S**. *Variation in intention to participate in genetic research among Hispanic/Latinx populations by Latin America birth-residency concurrence: A global study*. American Society for Human Genetics Annual Meeting, Houston, Texas, October 2019.
- Groth, SW.** (2019). *Pregnancy adaptations: Precursors or predictors of future health risk*. Invited podium presentation. UR School of Nursing, Lunch and Learn. Rochester, NY.
- Holland ML, **Groth SW**, Smith JA, Meng Y, Kitzman H. (2019). *Second child birthweight: How home visiting dose and first child birthweight interact*. Collaborative Science of Home Visiting Meeting. Washington, DC.

- Groth, SW.**, Meng, Y., Fernandez, ID. (2018). *Appetite and perceived control of cravings influence excessive gestational weight gain*. The Obesity Society, ObesityWeek, Nashville, TN.
- Meng, Y., **Groth, SW.**, Li, D. (2018). Gene x environment interaction: Dietary fat modifies genetic risks associated with body mass index. The Obesity Society, ObesityWeek, Nashville, TN.
- Groth, SW.**, Meng, Y., Li, D. (2018). *An exploration of the associations among DNA methylation, dietary components and obesity*. Council for the Advancement of Nursing Science, Washington, DC.
- Ying Meng, Y., **Groth, SW.**, Hodgkinson, C., Smith, JA., Kitzman, H. (2018). *What genes are underlying disinhibited eating and childhood obesity: Searching puzzle pieces for the brain food reward circuitry*. Nutrition 2018. Boston, MA.
- Meng, Y., **Groth, SW.**, Colin Hodgkinson, C., Smith, JA., Kitzman, H. (2018). *What genes are involved in the brain food reward circuitry: Findings from a large candidate gene analysis*. Translational Science 2018. Washington, DC.
- Kueppers, J, Stein, KF, **Groth, S**, Fernandez, ID. (2017). *Maternal factors associated with child intake of saturated fat and added sugar*. The Obesity Society, ObesityWeek, Washington, DC.
- Kueppers, J, Stein, KF, **Groth, S**, Fernandez, ID. (2017). *Maternal and child dietary intake: the role of maternal healthy- eater self-schema*. Council for the Advancement of Nursing Science, Washington, DC.
- Groth, SW**, LaLonde, A, Wu, T, Fernandez, ID. (2017). *FTO (rs9939609) and GNB3 (rs5443) polymorphisms and maternal body weight*. The Obesity Society, ObesityWeek, Washington, DC
- Meng, Y, **Groth, SW**, Li, D. (2017). *A SNP close to the KCTD15 gene modified the relationship between dietary fat intake and weight gain during pregnancy*. The Obesity Society, ObesityWeek, Washington DC.
- McGrane Minton, H, **Groth, S**, Dozier, A, Rich, D, Fernandez, D. (2017). *The association between mother and child bitter taste sensitivity and vegetable intake in children*. Poster presentation. Society for Epidemiologic Research 50th Annual Meeting
- Meng, Y., **Groth, SW.**, Stewart, P. (2017). *Determinants of gestational weight gain: The impact of diet, genes, and energy expenditure*. Poster presentation. Experimental Biology, Chicago, IL
- Groth, SW.**, Chaudron, L. (2017). *Understanding how research informs practice and*

- vice versa in perinatal African American women.* Invited podium presentation. University of Rochester Medical Center. Reflecting Our Community: Tackling Racial and Ethnic Disparities in Healthcare and Research. Rochester, NY.
- Demment M, Fernandez D, Li D, **Groth S**, Dozier A, Chang J, Dye T. (2017). *Using Amazon's Mechanical Turk as a tool for a global survey: lessons learned from a large-scale implementation.* Poster presentation. Translational Science 2017. Washington, DC: March 2017.
- Groth, SW.** (2016). *Complexities and consequences of gestational weight gain.* Invited speaker: Pregnancy and childbirth: Discussing current academic research and clinical expertise. Life Science: EuroSciCon, London, UK.
- Meng, Y & **Groth, SW.** (2016). *Identification of the gene-gene interactions associated with the risk of essential hypertension in the Framingham Heart Study population.* Podium presentation. Eastern Nursing Research Society Annual 28th Scientific Sessions, Pittsburgh, PA.
- Groth, SW.** (2016). *Micronutrient intake of pregnant African American women.* Invited class lecture Nutritional Epidemiology, UR Public Health Sciences Dept.
- Groth, SW.** (2016). *Gestational weight gain matters.* Invited presentation OB/GYN Research Workshop, Department of Obstetrics & Gynecology, University of Rochester Medical Center.
- Groth, SW.** (2015). *The complexities of gestational weight gain and downstream effects.* Invited presentation UR Public Health Grand Rounds. Rochester, NY
- Groth, SW.** (2015). *The dietary choices of low-income, pregnant African-American women.* Podium presentation. 2015 AWHONN Convention, Long Beach, CA.
- Groth SW.** (2015). *Micronutrient intake inadequate for many pregnant African American women.* Invited class lecture Nutritional Epidemiology, UR Public Health Sciences Dept.
- Simpson, AH., **Groth, SW.**, Xue, Y., Fernandez, ID. (2015). *Women's beliefs about and self-efficacy toward physical activity during pregnancy.* Poster presentation. Eastern Nursing Research Society Annual 27th Scientific Sessions, Washington, DC.
- Groth, SW** & Morrison-Beedy, D. (2014). *Genetic risk alleles and the gestational weight gain of black women.* Podium presentation. The Council for the Advancement of Nursing Science's 2014 State of the Science Congress on Nursing Research. Washington DC
- Groth, SW.** (2014). *Dried Blood Spots: A methodology for integration of biomarkers*

- into behavioral research*. Symposium podium presentation. Eastern Nursing Research Society Annual 26th Scientific Sessions, Philadelphia, PA.
- Fernandez, ID & **Groth, SW**. (2013). *Emoms Rochester: A healthy lifestyle intervention for pregnant and postpartum women using electronic media*. Invited podium presentation. Invited by UR CTSI.
- Groth, SW**. (2013). Keynote speaker. March of Dimes 2013 Nurse of the Year Awards Gala. Rochester, NY
- Groth, SW** & Holland, ML. (2013). *Eighteen years after pregnancy adolescent gestational weight gain still affects body mass index*. Podium presentation. 2013 AWHONN Convention, Nashville, TN
- Groth, SW** & Robertson-Blackmore, E. (2013). *Racial differences in body mass index, affective symptoms, and inflammatory markers during pregnancy and postpartum in low-income women*. Podium presentation. Eastern Nursing Research Society Annual 25th Scientific Sessions, Boston, MA.
- Lowmaster-Csont, G & **Groth, SW**. (2013). *Supporting the mother-infant relationship through breastfeeding with neonatal hypoglycemia*. Podium Presentation. National Association of Neonatal Nurses, 8th Annual Research Summit. Scottsdale, AZ.
- Groth, SW**. (2013). *Pregnancy and obesity: a program of research*. Invited presentation. University of Rochester School of Nursing National Council. New York, NY.
- Groth, SW**. (2012). *Physical activity and diet during pregnancy: what low-income, pregnant African-American women think*. Podium presentation. 2012 AWHONN Convention, National Harbor, MD. Published abstract: *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 41: S125–S126. doi: 10.1111/j.1552-6909.2012.01362_10.x
- Groth, SW** & Morrison-Beedy, D. (2011). *Towards an understanding of pregnancy weight gain in African-American women*. Podium presentation. Sigma Theta Tau International 41st Biennial Meeting, Grapevine, TX.
- Groth, SW** & Morrison-Beedy, D. (2011). *Obesity and the GNB3 C825T allele in pregnant African-American women*. Poster presentation. National Institute of Nursing Research (NINR) 25th Anniversary Concluding Scientific Symposium, Bringing Science to Life: A Healthier Tomorrow, Washington, D.C.
- Maher, MD., Kearney, M., & **Groth, S**. (2011). *Perinatal risks and outcomes in Latina migrant farmworkers*. Poster Presentation. Awarded Best Poster Presentation for ACNM Division of Research. American College of Nurse-Midwives 56th Annual Meeting. San Antonio, TX.

- Groth, SW.** (2011). *Recruitment and retention of vulnerable populations: A panel discussion*. Invited panelist. Study Coordinators Organization for Research and Education Half-day Workshop: Health Research Management for the Study Coordinator. University of Rochester, Rochester, NY.
- Groth, SW.** (2010). *Limiting the phenotypic effects of pregnancy related weight gain: A progress report*. Poster presentation. National Institute of Nursing Research (NINR) 25th Anniversary kick-off Symposium, Bringing Science to Life. Washington, D.C.
- Groth, SW.** (2009). *Recruitment and retention of African-Americans for genetic studies*. Podium presentation. American Public Health Association 137th Annual Meeting and Exposition, Philadelphia, PA.
- Groth, SW & Morrison-Beedy, D.** (2009). *Physical activity, nutritional intention, and general health risk in adolescent girls enrolled in a HIV intervention trial*. Podium presentation. Sigma Theta Tau International 40th Biennial Meeting, Indianapolis, IN.
- Groth, SW.** (October, 2009). *Establishing genetic based behavioral research*. Invited as a KL2 scholar to present on current research to Dr. Barbara Alving, Director of the National Center for Research Resources, and to the CTSI community, University of Rochester Medical Center, Rochester, NY.
- Groth, SW.** (2009). *Genetics and genomics for the advanced practice nurse*. Podium presentation. Plenary Session: 14th Annual Preceptor Education Workshops, University of Rochester, School of Nursing, Rochester, NY.
- Groth, SW.** (2009). *Establishing a foundation for genetic-based behavioral research*. Poster Presentation. National Clinical and Translational Research Education Annual Meeting, Washington, DC.
- Groth, SW.** (2009). *Ethics & policy: Genetic issues*. Guest lecturer - Ethics & Public Policy, University of Rochester School of Nursing, Rochester, NY
- Groth, SW.** (2009). *Meet your doctor*. Interview - In Good Health, Rochester, NY
- Groth, SW.** (2009). *The phenotype of obesity*. Fuld Lecture Series, University of Rochester School of Nursing, Rochester, NY
- Groth SW.** (2008). *Evidence-based practice*. Guest lecturer - Graduate Epidemiology, University of Rochester School of Nursing, Rochester, NY
- Groth, S.** (2006). *The G protein $\beta 3$ subunit C825T polymorphism and maternal/infant*

- weight*. Poster presentation. National State of the Science Congress in Nursing Research. Washington DC.
- Groth, S.** (2006) *Pregnancy 101 – expert advice on handling the impact of pregnancy on all aspects of your life, plus tips on preparing for the arrival of your new baby*. Invited radio interview: Hillside Family forum radio broadcast, Rochester, NY.
- Groth, S.** (2005). *New mother's views of exercise and weight*. Poster presentation (preliminary findings). Ecology of Obesity Conference, Cornell University, Ithaca, NY.
- Groth, S.** (2005). *Adolescent weight gain during pregnancy and long term body mass index change*. Podium presentation. Eastern Nursing Research Society, New York, NY.
- Cole, R., Kitzman, H., Sidora-Arcoleo, K., Anson, E., Koulouglioti, C., **Groth, S.**, Feng, Y., Moskow, M. (2005). *Socialization strategies, behavioral compliance and childhood injuries*. National Injury Prevention and Control Conference, Injury and Violence in America: Meeting Challenges, Sharing Solutions, Denver, CO.
- Groth, S.** (2004). *Adolescent weight gain during pregnancy and body mass index change*. Podium presentation. Maternal Child Health Epidemiology Annual Conference, Atlanta, GA.
- Groth, S.** (2002). *Pregnancy weight gain and body mass index 5 years later*. Podium presentation. NPWH National Conference, Phoenix, AZ.
- Yeoam, H., **Groth, S** & Ryan, J. (2002). *Development of the life disruption scale*. Poster presentation. Eastern Nursing Research Society,
- Groth, S** & Kitzman, H. (2002) *Pregnancy weight gain and body mass index 5 years later*. Invited poster presentation. American Nurses Association Biennial meeting, Philadelphia, PA.
- Groth, S** & Kitzman, H. (2001). *Pregnancy weight gain and body mass index 5 years later*. Poster presentation. Eastern Nursing Research Society, Atlantic City, NJ.
- Groth, S.** (2001). *Hormone replacement therapy, current practice and issues*. Genesee Valley Nurses Association NP special interest group and NP Association of Greater Rochester Continuing Education, Rochester, NY.
- Grace, J., Jack, M.S., D'Aoust, R., **Groth, S.**, Helberg, J., McGee, K., and Small, L. (1996). *In the LAN of Learning: faculty coalitions to develop a learning community for undergraduate education*. National League for Nursing Council of Baccalaureate & Higher Degree Programs Annual Meeting, Baltimore, MD.

McGee, K., D'Aoust, R., Grace, J., **Groth, S.**, Helberg, J., Jack, M.S. *Creating a new vision for clinical education: use of an institutional redesign process.* National Conference on Teaching and Learning Assessment: What Works II. Pennsylvania State University, PA.

Courses taught/coordinated

(G = graduate, U = undergraduate)

- Nursing Research (U)
- Principles and Application of Evidence for Nursing Practice (U)
- Nursing Science (U)
- Genetics (U)
- Childbearing and Childrearing (U)
- Care of Individuals and Families in the Community (U)
- Women's Health for Primary Care Generalists (G)
- Reproductive Physiology (G)
- General Linear Approaches II (G)
- Dissertation workshop (G)
- Research integration and proposal development (G)
- Research Design (G)

Research Mentorships (dissertations, clinical projects, apprenticeships)

2019-present	Pamela Brashich: PhD advisor
2019-present	Jamil Lane: Comprehensive Examination Committee, Dept. Counseling and Human Development UR
2019-present	Yang Yu: Postdoctoral training
2018-2019	Claire Cooke: MPH thesis committee, Public Health Sciences, UR School of Medicine and Dentistry
2018-present	Kuan-lin Yeh: PhD advisor
2016-2018	Ying Meng: postdoctoral training
2015-2019	Kashawmma Wright: PhD advisor
2015-2016	Georgianne Frederick: MPH thesis committee, Public Health Sciences, UR School of Medicine and Dentistry
2014-2019	Alison Simpson: Dissertation chair, UR SON
2014-2017	Heather McGrane-Hinton, Dissertation committee, Public Health Sciences, UR School of Medicine and Dentistry
2014-2017	Julie Kueppers: Dissertation committee, UR SON
2012-2015	Kimberly McKee: Dissertation committee, Dept Community and Preventive Medicine, UR School of Medicine and Dentistry
2010-2013	Georgia Lowmaster: DNP committee chair, UR SON
2009-2016	Jamie Oliva: Dissertation chair, UR SON
2009-2012	Mary Maher – Dissertation committee, UR SON
2009-2016	Ying Meng: Advisor and Dissertation chair, UR SON
2009	Francesca Branch – Summer undergraduate research fellowship: Center for Advocacy, Community Health Education and Diversity

Professional Activities

Organization

2015-2016	AWHONN Research Advisory Panel
2012-2013	AWHONN Research Advisory Panel
2006-2010	Genesee Valley Nurses' Association: secretary
2001-2005	Western NY League of Nursing: board member

Reviews

- Grants

01/07/2019	Nursing and Related Clinical Sciences Study Section: <u>Member July 2019-June 2023</u>
03/2019	Health Research Board, "Applied Partnership Awards", Ireland
02/2019	NINR: NRRC study section-ad hoc
10/2018	NINR: NRRC study section-ad hoc
9/2018	CMPC study section (Clinical management of patients in community based settings): R series (R01, R21, R15)
6/2018	NINR: NRRC study section-ad hoc
2017	Health Research Board, "Applied Partnership Awards", Ireland
2016	Baylor College of Medicine, Baylor University, Baylor Health Care System and Scott & White Healthcare "Collaborative Faculty Research Investment Program".
2015	Pilot/Feasibility Grant: Michigan Diabetes Research Center (MDRC)
2013-15	URCTSI KL2
2010-2011	URCTSI KL2
2010	ZonMw's Prevention programme: The Netherlands Organisation for Health Research and Development

- Manuscripts

2019	New England Journal of Medicine
2019	Contemporary Clinical Trials
2018	American Journal of Human Biology
2018	Appetite
2018	BMC-Obesity
2018	Scientific Reports
2017-present	BMC Pregnancy and Childbirth
2016	Maternal and Child Nutrition
2015-present	Journal of Perinatology
2015-present	Journal of Obstetrics and Gynecology
2015	Epigenomics
2015	The Journal of Pediatrics
2012 -present	Journal of the American Psychiatric Nurses Association
2010-present	Maternal and Child Health
2010	International Journal of Obesity
2009	Expert Review of Obstetrics and Gynecology
2008-present	MCN The American Journal of Maternal Child Nursing
2007	Medical Science Monitor
2007-present	Research in Nursing and Health (RINAH)

2006-present Journal of Obstetrics, Gynecology, and Neonatal Nursing (JOGNN)
 2006 Journal of Adolescent Health

Professional Affiliations

2020 American Nurses Association
 2011-present American Academy of Nurse Practitioners
 2011-present; Association of Women's Health, Obstetrics & Neonatal Nursing
 1991-1992 (AWHONN)
 2009-2010 American Public Health Association
 2008-2010 International Society of Nurses in Genetics (ISONG)
 2000-present National League for Nursing
 2000-present Eastern Nursing Research Society
 2000-2005 Nurse Practitioners in Women's Health (NPWH)
 1992-present Sigma Theta Tau (membership not maintained consistently for all years)
 2006-2010; Genesee Valley Nurses' Association
 1992-1998

University Activities

2021 Research Policy Committee
 2019-present Research subjects review board: scientific member (as of May 2019)
 2019-2021 Faculty Governance committee, SON
 2019-present Faculty Professionalism Council-Chair
 2017-2020 URSON Faculty Search Committee
 2016-2019 URCTSI's Mentor Development Working Group
 2015-2019 URSON Student affairs committee
 2013-present UR Obesity strategic planning committee
 2013-2015 URCTSI KL2 review committee
 2013-2015 URSON research council
 2013-2015 URSON PhD subcommittee
 2012-present Director (PI) of the SON Biobehavioral Laboratory (includes a Bio-Safety Lab Level 2 certified research laboratory)
 2010-2012 University of Rochester School of Nursing Faculty Governance Committee
 2007-2013 Clinical Research Center Advisory Board, University of Rochester Medical Center
 2005-2009 University of Rochester School of Nursing Faculty Governance Committee
 2005-2007 University of Rochester School of Nursing clinical appointment, reappointment, & promotion committee (co-chair 2006-2007)
 2000-2004 University of Rochester School of Nursing Undergraduate Curriculum Sub-committee

Certifications

1997-present Certified as Women's Health Care Nurse Practitioner by the National Certification Corporation for the Obstetric, Gynecologic and Neonatal

- Nursing Specialties (NCC)
 1993-1996 Certified as an OB-GYN Nurse Practitioner by the National Certification Corporation for the Obstetric, Gynecologic and Neonatal Nursing Specialties (NCC)
 1993-present Registered in NY State as a Women's Health Care Nurse Practitioner

Honors/Awards

- 2020 Professional Advancement Award, University of Rochester
 2015 Listed as one of the 20 outstanding professors of women's health by Sechel Ventures which owns and operates NursePractitionerSchools.com
 2015 Terry Family Research Fund Award
 2013 March of Dimes Dr. Margaret Comerford Freda "Saving Babies, Together" Award
 2012 Fellow of the American Academy of Nurse Practitioners
 2010 Promising New Investigator Award, University of Rochester School of Nursing
 2006 Intramural Research Traineeship: Summer Genetics Institute, National Institutes of Nursing Research, National Institutes of Health
 2004 Katharine Donohoe Scholarly Practitioner Award UR School of Nursing
 2002 Outstanding Scholarly Practitioner, University of Rochester School of Nursing
 2001 Outstanding Student Poster Presentation. Eastern Nursing Research Society
 2000 Honorary Member Keadeians University of Rochester
 1992 Sigma Theta Tau Nursing Honor Society
 1975 Summa Cum Laude, Roberts Wesleyan College, North Chili, NY

Multimedia

- 2019 Interview with Melissa Healy LA times, specializing in science and medicine regarding perspective on a new publication in Annals of Internal Medicine June 6, 2019. <https://www.latimes.com/science/la-sci-abortion-denied-womens-health-worsens-20190611-story.html>
- 2019 Interview with Lauren Bavis side Effects Public Media 'Trouble pregnancies can mean years of health problems' January 17, 2019. <http://www.sideeffectspublicmedia.org/post/troubled-pregnancies-can-mean-years-health-problems>. Picked up by NPR January 24 <https://www.npr.org/sections/health-shots/2019/01/24/686790727/fourth-trimester-problems-can-have-long-term-effects-on-a-moms-health>
- 2016 NBC news interview for Health story feature on artificial sweetener consumption in pregnancy and effect on child body mass index. <http://www.nbcnews.com/health/kids-health/could-diet-drinks-make-your-baby-fat-n570716>
- 2016 MedPage today: Interview on diet soda influencing infant weight. <http://www.medpagetoday.com/PrimaryCare/DietNutrition/57798>

- 2016 MedPage Friday Feedback: How valuable is BMI?
<http://www.medpagetoday.com/PrimaryCare/Obesity/58057>
- 2015 WXXI-TV: Second opinion 5: Dietary changes you can do to improve your health
<http://youtu.be/7hMhFZAn1cE>
- 2015 URMC blog: 'Excess weight gain in pregnancy has long lasting effects on mom, baby, and future generations'
<https://www.urmc.rochester.edu/research/blog/december-2015/excess-weight-gain-in-pregnancy-has-long-lasting-e.aspx>
- 2015 WHEC-TV10: Interviewed about my research on 'Excess weight gain in pregnancy has long lasting effects on mom, baby, future generations'
<http://www.whec.com/news/stories/s3996736.shtml>
- 2014 WROC-TV8: interviewed on TV live regarding pregnancy obesity and risk to Mothers

Community Service

- 2018 Guest panelist for Junior Faculty of Biomedical Research Association
- 2017 Perifacts: Obesity in Pregnancy co-authored with ID Fernandez
- 1994-2008 NP practice at St Joseph's Neighborhood Center serving underserved and uninsured women