

# Meta-analysis/prediction of *Human Genome and Epigenetic Studies Workshop*

*Augusta University*

## Workshop Overall Objectives

- Use analytics to critically appraise research evidence in genome health and epigenetics/omics research, including accessing NIH and large omics data.
- Apply family pedigree into health assessment.
- Conduct meta-analysis/prediction in human genome/epigenetics/omics studies for health risks and disease prevention.

**Dates: June 28-30, 2017**

**Location: Augusta University, Augusta GA**

**Rate: \$1,000.** Cost includes softwares, continuing education credits, refreshments and lunch (*may be waived for hardship in exchange of committed productivity in 3 months*).

**Learn more:** Contact Chelsey Lemons at 706-721-3162 or [clemons@augusta.edu](mailto:clemons@augusta.edu)

Individuals will receive 18.25 credits for attending and completing the evaluation form.

Augusta University is an approved provider of continuing nursing education by the South Carolina Nurse Association, an accredited approver with distinction, by the American Nurses Credentialing Center's Commission on Accreditation.

## Faculty

S. Pamela Shiao PhD, RN, FAAN; and selected co-authors on her recent publications. Shiao is the Associate Dean for Nursing Research, Professor and E. Louise Grant Endowed Chair. She is leading programs of research in epigenetic interventions using omics technology and big data analytics on the human genome.

## Recent Faculty Meta-Prediction Publications

- Meta-Prediction of *MTHFR* gene polymorphism mutations and associated risk for colorectal cancer. 2016. *Biological Research for Nursing*, 18(4), 357-369. PMID: 26858257, PMCID: PMC4904378, doi: 10.1177/1099800415628054
- Meta-prediction of *MTHFR* gene polymorphism-mutations and risks on leukemia for population health in the world. 2016. *Oncotarget*, 18(4), 357-369. PMID: 27966457, doi: 10.18632/oncotarget.13876
- Meta-prediction of *methylenetetrahydrofolate reductase polymorphisms* and air pollution on risk of alzheimer's disease. 2017. *International Journal of Environmental Research and Public Health*, 14(1), 63. PMID: 28085050, PMCID: PMC5295314, doi: 10.3390/ijerph14010063
- Meta-prediction of *MTHFR* gene polymorphism-mutations and air pollution as risk factors for breast cancer. 2017. *Nursing Research*, 66(2), 152-163. PMID: 8114181, doi: 10.1097/NNR.0000000000000206
- Meta-prediction of *APOA5* gene polymorphisms and risks on cardiovascular diseases for population health in the world. 2017. *Nursing Research*, 66(2), Special Omics Issus, 164-174. PMID: 28252576, doi: 10.1097/NNR.0000000000000207.



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