

RECENT ADVANCES IN THE GENETIC UNDERPINNINGS OF QOL FROM THE GENEQOL CONSORTIUM

*Jeff Sloan, Health Sciences Research, Mayo Clinic, Rochester, MN, Ailko H. Zwinderman, Medical Epidemiology and Biostatistics, Academic Medical Center, University of Amsterdam, Amsterdam, Netherlands, Sarah M. Rausch, Health Outcomes and Behavior, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, Jeff Sloan, Health Sciences Research, Mayo Clinic, Rochester, MN*

The purpose of this session is to provide updates of three different confirmatory studies that indicate the genetic pathways that were theorized by the GENEQOL consortium roughly one year ago have been successfully completed with positive results. This session will present each of the three studies turn indicating: 1) the importance of the inflammatory pathways for cytokines as a contributing factor to overall QOL and fatigue; 2) the importance of the COMT opium expression pathways for pain 3) the TYMSDPYD cell structural pathway for fatigue and overall QOL The implications of these findings for genetic research, the relationship of these findings to other biomarker laboratory-based variables, and the future plans for the consortium will be provided.

Individual Abstract 1210

GENES SELECTED FOR THEIR RELEVANCE TO PAIN ARE ALSO ASSOCIATED WITH FATIGUE AND DYSPNEA: EVIDENCE OF THE EUROPEAN PHARMACOGENETIC OPIOID STUDY

*Ailko H. Zwinderman, Medical Epidemiology and Biostatistics, Mirjam A. Sprangers, Medical Psychology, Frank Baas, Neurogenetics, Cornelis J. Van Noorden, Cell Biology and Histology, Academic Medical Center, University of Amsterdam, Amsterdam, Netherlands, Lukas Radbruch, Palliative Medicine, University Clinic, Aachen, Germany, Andrew Davies, Palliative Medicine, Royal Marsden NHS Foundation Trust, Sutton, United Kingdom, Dick F. Swaab, -, Netherlands Institute for Neuroscience, Amsterdam, Netherlands, Jeff Sloan, Health Sciences Research, Mayo Clinic, Rochester, MN, Stein Kaasa, Intensive Care Medicine, Frank Skorpen, Laboratory Medicine, Pal Klepstad, Intensive Care Medicine, Norwegian University of Science and Technology, Trondheim, Norway*

Individual Abstract 1585

A GENETIC LINK TO QOL: THE RELATIONSHIP BETWEEN CYTOKINE GENE SINGLE NUCLEOTIDE POLYMORPHISMS AND SYMPTOM BURDEN AND QUALITY OF LIFE IN LUNG CANCER SURVIVORS

*Sarah M. Rausch, Health Outcomes and Behavior, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, Matthew M. Clark, Christi Patten, Psychiatry and Psychology, Jeff Sloan, Biostatistics, Ping Yang, Epidemiology, Mayo Clinic, Rochester, MN*

Individual Abstract 1777

EXPANSION OF THE WILSON & CLEARY THEORETICAL MODEL TO INCORPORATE GENETIC INFLUENCES ON QUALITY OF LIFE

*Jeff Sloan, Health Sciences Research, Mayo Clinic, Rochester, MN, Mirjam Sprangers, Psychology, Amsterdam Medical Center, Amsterdam, Netherlands*