

Pre-conference and reception Sunday, June 16 from 7-9 pm

Sponsored by **GENEActiv™**

Moving Towards Development of Shared Database Resources in Ambulatory Monitoring Research

Accelerometers that capture raw acceleration data are being increasingly used in physical activity research and other settings. Additionally, the National Health and Nutrition Examination Survey is currently collecting physical activity and sleep data with a wrist-worn accelerometer on participants ages 6 y and older. Algorithms to translate raw accelerometer data into meaningful metrics need to be developed. A variety of researchers and groups are working to develop these algorithms. Physical activity and other health researchers would benefit if a commonly-accepted approach to data reduction is ultimately achieved, similar to what has occurred for speech and video processing. Examples of areas where agreement could accelerate progress are: core activities to include in protocols, choice of machine learning approach and potential signal features to include in algorithm development. This evening session aims to foster communication and collaboration among groups working on algorithm development to facilitate progress toward this goal. A proposal to support communication and sharing of lessons learned will be presented for discussion.

Sunday June 16th from 7 – 9 pm, all are invited to attend. If you plan to attend this pre-conference, please register for this event when you register for the conference.