

❖ Name & Designation	: Ms. Ann Mary Alex, Ph.D. Student.
❖ Address	: Human Molecular Genetics Lab, RGCB, Poojappura, Thiruvananthapuram-695014.
❖ Name of the International Conference/ Seminar/Symposium/ Workshop	: 15 <sup>th</sup> International Meeting on Humna Genome Variation and complex Genome Analysis (Hgv2014).
❖ Title of the abstract accepted	: Role of clock gene variants in differential regulation of sleep homeostasis and circadian rhythm in Autism spectrum disorder and Schizophrenia.
❖ Date & Venue	: 17-19 <sup>th</sup> September 2014.
❖ Money sanctioned	: Rs 98,815/-
❖ Money reimbursed	: Rs 92,638/-

Participation Report

The 15th International Meeting on Human Genome Variation and Complex Genome Analysis (HGV2014) was conducted by the Human Genome Variation Organizing Committee. This is an annual meeting which had been held in various countries over the years. This year, the event was organized in Belfast, Northern Ireland and was attended by around 30 speakers from the international genetics community. The 3 day conference was divided into 8 sessions which included speakers from both the core genetic research groups as well as medical geneticists. There was an overrepresentation of work related to genome wide analysis on cancer.

- Academic Highlights of the Training/Workshops, including major recommendation and the following:

(i) New Development presented at the Trainig/Workshps

The international alliance “Global Alliance for Genomics and Health” was discussed in the conference which allows for data accessing and sharing among the genetics community across the globe. New pipelines developed for prioritizing therapeutic targets was another development presented in the conference.

(ii) New Development resulting from the Training/Workshops (200 words)

HGV 2014 has provided me a unique opportunity to present my work to an international audience of experts in the field. This was a great platform for scientific discussion and I got a chance to interact with the pioneers in this field. Being in the initial phase of my career, HGV 2014 was an excellent opportunity to get inputs from top researchers from around the world and establish a professional relationship. I got an exposure to the cutting edge research that is happening in the field world over. This was an opportunity for me to learn the various pipelines being developed for streamling of variables and analysis of the huge amount of data being generated in this field. I was lucky to get valuable inputs from the researchers as to how these developments can be put to use in my research and to further improve my research goals. There were presentations on in-silico analysis of functional variants, large scale genome wide association analysis and their interpretations. Ethical issues on marketing genome wide association analysis was also discussed which apprise dof caution in the field.

(iii) Name of the Publication in case your work Is recommended for publications

Participant’s contribution to the Training/Workshops (100 words)

My work titled “Role of clock gene variants in differential regulation of sleep homeostasis and circadian rhythm in Autism Spectrum Disorder and Schizophrenia” was selected for a poster presentation at the conference. Autism and Schizophrenia are two related but distinct genetic disorders that have a high prevalence worldwide. The work which was presented pointed to the different genetic etiologies of both the conditions. This was a novel work in the field of understanding the genetics of Autism and Schizophrenia.