Functional Validation for Neurogenetics Symposium

The Functional Validation for Neurogenetics Symposium is sponsored by Mayo Clinic's Center for Individualized Medicine and organized by. Dr Eric Klee and Dr. Lisa Schimmenti

The event will be held on Thursday May 17th, 2018.

Several selected talks will be considered for presentation.Those who are interested in attending please sign up here: Functional Validation for Neurogenetics Symposium

If you would like to be considered for an oral presentation, please submit your abstract to Dr. Eric Klee (klee.eric@mayo.edu) or Dr. Lisa Schimmenti (Schimmenti.Lisa@mayo.edu)

There is no cost to meeting attendees and lunch will be provided.

The **deadline** for **sign-up** to this event and **abstract submission** is **April 16, 2018.**

Functional Validation for Neurogenetics Symposium
pre-iBANGS satellite meeting
May 17, 2018
8:30-4:00 PM
Phillips Hall, Siebens 1-11

The transformative nature of next generation sequencing has changed how neuroscientists approach genomic sequence variation. Highly multiplexed molecular testing is providing an expanded level of information from which to make informed phenotypic predictions. The importance of this is reflected in the unprecedented expansion of genomic testing to determine the basis of neurologic conditions.

Genomic testing results in many instances provide a definitive basis of a neurologic condition. However, in almost a high proportion of cases, the genomic sequencing results are confounded by the ambiguity of variants with uncertain clinical significance. Herein lies the key with which institutions will lead in the area of genomic medicine

There exists *a critical need* to provide a mechanism by which uncertain findings can be functionally characterized and translated into clinically actionable results. It is within this realm that academic societies such as iBANGS can have a substantial and informative role on the future of clinical research and practice. This symposium will introduce the challenges and opportunities that exist in the field of human clinical neurogenetics and follow this with presentations of active work in the field of functional genetic finding validation for neurogenetics with a look to the future of genomic neurogenetics.

Draft Schedule

8:30 – 9:00: Greeting and breakfast
9:00-9:15: Welcome and overview: Klee and Schimmenti
9:15-9:45+5: Clinical scope of neurogenetic conditions
9:55-10:25+5: Testing strategies for neurogenetic patients in the clinic
10:30-10:45: Coffee
10:45-11:45: Limitations of genomic testing for neurogenetic patients
11:45-1:00: Lunch
1:00-30: Selected talks
1:30-2:30: Cutting edge advances in zebrafish genome engineering
2:30-2:45: Coffee
2:45-3:15: Selected Abstract talks
3:20-3:50: Genome engineering rat IPs cells
3:55-4:00 Wrap up: