



The Genome, The Bleed and The Clot

Past, Present, and Future News from the ISGC

Issue 4 – August 17th, 2023

What's in the news?

Upcoming 29th ISGC Workshop in Boston:

Genomic Medicine - From Bench to Bedside, and Back Again

- Bench to bedside genomic treatments for atherosclerosis
- Genome engineering for clinical applications
- Animal science applications for genetic stroke disorders
- Crossing the Finish Line: What do you need to know about the disease to develop gene therapy?
- Vascular genetic disorders across the lifespan (clinical and molecular etiology of human aortic aneurysm)

Highlights from the 12th ISGC Virtual Mini-Workshop: Post-GWAS

Analyses in Stroke: Translating Genetics to Clinical Insights

- Finding the causal variant and the causal gene in GWAS analysis.
- Index event bias in stroke outcome GWAS
- Pharmacogenomics Mendelian Randomization
- Integrating genetics with other omics layers for drug target discovery
- Did you miss it? Check the members section on the ISGC Website (<https://www.strokegenetics.org>)

Stroke Genomics: Decoding the Future of Interventions



The STROMICS genome study: deep whole-genome sequencing and analysis of 10K Chinese patients with ischemic stroke reveal complex genetic and phenotypic interplay – Cheng, S. *et al.*



The predominant PAR4 variant in individuals of African ancestry worsens murine and human stroke outcomes. – Frederik Denorme *et al.*

The Market



Postdoctoral positions MGH/Harvard:

- Stroke Research at the Resilient Brain Lab at MGH/Harvard
- Computational image analysis at the Resilient Brain Lab at MGH/Harvard

Contact: nrost@partners.org or mschirmer1@mg.harvard.edu



Positions at University of Virginia

- Two stroke faculty positions at University of Virginia 
- Stroke fellowship of two years, one in clinical and one in research 
- Stroke clinical research coordinator 

Contact: Bradford Worrall BBW9R@uvahealth.org

Upcoming Events

- ISGC Workshop – Boston (US) – 12–14 October 2023 
- Neurepiomics Course 2023 
San Antonio (US) – 7–9 October 2023

Early Career Corner

The Early Career Researcher (ECR) Working group will host a Special ISGC premeeting in Boston (October 12 9am to 11.30am). Join us and PITCH YOUR PROJECT! Come prepared with a 2min elevator pitch to share with the group. Contact us: jcole@som.umaryland.edu

