1. Proceedings of the 25th International Stroke Genetics Consortium Workshop

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We encourage you to visit our website (http://www.strokegenetics.org) for further details.

Acknowledgements:

Steering Committee- Jin-Moo Lee, Chair and Israel Fernandez-Cadenas, Co-Chair; Members: Stephanie Debette (Immediate Past-Chair), Ann-Katrin Giese (Junior member); Rufus Akinyemi, Jemma Hopewell, Steven Kittner, Jane Maguire, Paul Nyquist, Natalia Rost. Working Group Leaders- Acute Endophenotypes WG: Israel Fernandez-Cadenas, Jin-Moo Lee; Cognitive WG: Matt Pase, Brad Worrall; Imaging WG: Natalia Rost; Intracranial Aneurysm WG: Ynte Ruigrok, Philippe Bijlenga; Intracerebral Hemorrhage WG: Guido Falcone, Jonathan Rosand, Dan Woo; META/MEGASTROKE WG: Stephanie Debette, Martin Dichgans, Jemma Hopewell; Multiomics WG: Carlos Cruchaga, Myriam Fornage; Neuro-CHARGE WG: Myriam Fornage, Sudha Seshadri; SiGN WG: Steven Kittner, Brackie Mitchel; Translational Science WG: Chris Anderson, Tom Van Agtmael. Administrative support: Bailey Montgomery, Anna Bates.

2. Periventricular and subcortical white matter hyperintensities are associated with different vascular risk factors.

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3. Introduction to Helsinki ischemic and hemorrhagic stroke GWAS cohorts.

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4. Exome array analysis of early-onset ischemic stroke.

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5. China Kadoorie Biobank: Opportunities for research into the aetiology of stroke.

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6. Genome-wide interaction study with sex identifies novel loci for intracerebral hemorrhage risk.

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Disclosure and Study Support: Nothing to disclose.

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7. Rare missense variants in intracerebral hemorrhage.

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Disclosure and Study Support: Nothing to disclose

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8. Obesity increases risk for lobar and deep ICH: a genetic and mendelian randomization analysis.

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9. NOTCH3 exon skipping as a rational therapeutic approach for CADASIL: lessons from a family with naturally occurring exon 9 skipping.

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10. Hemostatic genes exhibit a high degree of allele-specific regulation in liver.

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11. Genetics of white matter hyperintensity stratified by hypertension status: The CHARGE Consortium.

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12. Whole exome sequencing analysis of 22 young stroke patients with familial clustering of stroke.

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13. The genetic architecture of MRI-derived extremes of cerebral small vessel disease.

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14. An analysis of polygenic risk score for T2D and LDL-C in posterior vs. anterior circulation ischemic stroke.

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15. Regions of shared genetic structure between DWMH, PVWMH, and stroke phenotypes.

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16. The association of arterial stiffness with hypertension and stroke: a Mendelian randomization study.

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17. Genome-wide methylation in the acute phase ischemic stroke.

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18. Cerebral phenotypes associated with mutations in Mendelian cerebral small vessel disease genes: A systematic review.

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19. The role of haematological traits in stroke and its subtypes.

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20. The BRAINS study: First analysis of Socioeconomic and Demographic Influence on Stroke Onset data in Indians and Qataris using the Bio-Repository of DNA in Stroke biobank.

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21. Genetically determined serum urate and risk of neurovascular disease.

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22. First analysis of prevalence and risk factors in South Asians migrated to the UK and Qatar compared with UK Caucasians: the Bio-Repository of DNA in Stroke study (BRAINS).

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23. What's in a name? Optimizing phenotype definition for ischemic stroke genetic discovery.

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24. Causal associations of blood lipids with risk of ischaemic stroke and intracerebral haemorrhage.

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Disclosure and Study Support: The authors have no conflicts of interest to declare.

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25. A genome-wide association study of white matter hyperintensities in 42,000 individuals.

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26. Genetic Analysis for Monogenic Disorders in Young Age Stroke Patients: Results from the GENE_YAS study of the CRCS-K.

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