

ICH GWAS Monthly Newsletter

Issue 22 - July 2011

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ICH GWAS Investigators Meeting:
To be held on during the ISGC Workshop
On Nov. 17-18, 2011 in Jacksonville FL, USA

Please contact Lynelle (lcortellini@partners.org) for additional details



ICH GWAS Monthly Newsletter Issue 22 - July 2011

This is the 22nd issue of the monthly newsletter for the ICH GWAS Study Group. This newsletter is meant to be a tool to keep investigators participating in the ICH GWAS updated on all aspects of this project, including phenotyping, genotyping, data analysis and logistics.

The newsletter will be sent out to participants on the 15th of each month (or nearest workday) as an email attachment from the Program Manager at the Coordinating Center.

If you want to add topics to the next newsletter, or you'd like to give general feedback to the Newsletter Design Team please contact:

[Lynelle Cortellini](#)

lcortellini@partners.org.

ICH GWAS Publications

- Biffi A, Anderson CD, Jagiella JM, Schmidt H, Kissela B, Hansen BM, Jimenez-Conde J, Pires CR, Ayres AM, Schwab K, Cortellini L, Pera J, Urbanik A, Romero JM, Rost NS, Goldstein JN, Viswanathan A, Pichler A, Enzinger C, Rabionet R, Norrving B, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Broderick JP, Greenberg SM, Roquer J, Lindgren A, Slowik A, Schmidt R, Woo D, Rosand J; on behalf of the International Stroke Genetics Consortium. *APOE genotype and extent of bleeding and outcome in lobar intracerebral haemorrhage: a genetic association study*. Lancet Neurology. 2011. Epub ahead of print.
- Biffi A, Devan WJ, Anderson CD, Ayres AM, Schwab K, Cortellini L, Viswanathan A, Rost NS, Smith EE, Goldstein JN, Greenberg SM, Rosand J. *Statin use and outcome after intracerebral hemorrhage: case-control study and meta-analysis*. Neurology. 2011;76:1581-8.
- Eckman MH, Singer DE, Rosand J, Greenberg SM. *Moving the tipping point: the decision to anticoagulate patients with atrial fibrillation*. Circulation: Cardiovascular Quality and Outcomes. 2011;4:14-21.
- Biffi A, Plourde A, Shen Y, Onofrio R, Smith EE, Frosch M, Prada CM, Gusella J, Greenberg SM, Rosand J. *Screening for Familial APP Mutations in Sporadic Cerebral Amyloid Angiopathy*. PLoS ONE 2010; 5: e13949.
- Biffi A, Sonni A, Anderson CD, Kissela B, Jagiella JM, Schmidt E, Jimenez-Conde J, Hansen BM, Fernandez-Cadenas I, Cortellini L, Ayres A, Schwab K, Juchniewicz K, Urbanik A, Rost NS, Viswanathan A, Seifert-Held T, Stoegerer E, Tomás M, Rabionet R, Estivill X, Brown DL, Silliman SL, Selim M, Worrall BB, Meschia JF, Montaner J, Lindgren A, Roquer J, Schmidt R, Greenberg SM, Slowik A, Broderick JP, Woo D, Rosand J. *Variants at APOE Influence Risk of Deep and Lobar Intracerebral Hemorrhage*. Annals of Neurology 2010;68:934-43.
- Biffi A, Halpin A, Towfighi A, Gilson A, Busl K, Rost NS, Smith EE, Greenberg SM, Rosand J, Viswanathan A. *Antiplatelet Agents and Recurrent Intracerebral Hemorrhage in Cerebral Amyloid Angiopathy*. Neurology. 2010;75:693-698
- Biffi A, Anderson CD, Nalls M, Rahman R, Cortellini L, Rost NS, Greenberg SM, Ross O, Furie KL, Meschia J, Singleton AB, Saxena R, Rosand J. *Principal Component Analysis for Assessment of Population Stratification in Mitochondrial Medical Genetics*. American Journal of Human Genetics 2010;86:904-917.
- Nalls M, Biffi A, Matarin M, Anderson CD, Chasman DI, Bevan S, Spencer CA, Gschwendtner A, Sale MM, Wu L, Salaheen D, Deary IJ, Lagenfeld C, Peddareddygar LR, Cole JW, Arapelli SK, Aucutt-Walter N, Brott TG, Broderick JP, Brown DL, Brown M, Brown RD, Buring JE, Cortellini M, Danesh J, Deka R, Elias GA, Ferrucci L, Frossard P, Furie KL, Gibbs JR, Greenberg SM, Gul M, Hardy J, Harris SE, Hernandez DG, Hsu F, Indugula S, Jackson C, Kissela B, Liu L, Metter EJ, Mitchell BD, Murphy L, Mychaleckyj JC, O'Connell JR, Pare G, Parker AN, Patel RK, Poole D, Rasheed A, Richie A, Rothwell PM, Rose L, Ross OA, Rost NS, Schwab K, Sen S, Silliman SL, Soto-Ortolaza AI, Starr JM, Stine OC, Stamova B, Xu H, Erich Wichmann H, Young LE, Young W, Zaid M, Zhang H, Kittner SJ, Grewal RP,

Woo D, Sudlow C, Kamal AK, Wang X, Sharp FR, Worrall BB, Dichgans M, Markus HS, Ridker PM, de Bakker PIW, Singleton A, Meschia J, Rosand J on behalf of the International Stroke Genetics Consortium and the Wellcome Trust Case-Control Consortium 2. *Failure to Validate Associations between Variants on Chromosome 12p13 and Stroke*. New England Journal of Medicine. 2010;362:1547-155

- Eckman MH, Greenberg SM, Rosand J. *Should we test for CYP2C9 before initiating anticoagulant therapy in patients with atrial fibrillation?* J Gen Intern Med. 2009;24:543-549.
- Genes for Cerebral Hemorrhage on Anticoagulation (GOCHA) Collaborative Group. *Exploiting common genetic variation to make anticoagulation safer*. Stroke. 2009;40:S64-66.

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Sites recruiting prospectively as part of ICH GWAS

Principal Investigator		Institution	Country of Origin	Status
Last Name	First Name			
Majersik	Jennifer	University of Utah	US	Joined
Thijs	Vincent	University Hospital Leuven	Belgium	Joining
Slowik	Agnieszka	Jagiellonian University, Krakow	Poland	Joined
Schmidt	Reinhold	Medical University Graz	Austria	Joined
Dichgans	Martin	Ludwig Maximilians University, Munich	Germany	Joined

Sites recruiting retrospectively as part of ICH GWAS

Data presented in the table below are estimates of the number of samples each participating center has pledged to provide for the ICH GWAS. Actual numbers of samples analyzed will vary depending on DNA and phenotype quality.

Principal Investigator		Institution	Country of Origin	Number of Cases	Number of Controls	Samples received by Genotyping Center
Last Name	First Name					
Dichgans	Martin	Munich	Germany	50	50	Yes
Levi	Chris	University of Newcastle	Australia	25		
Lindgren	Arne	University Hospital, Lund	Sweden	153	167	Yes
Macleod	Mary	University of Aberdeen	UK	40	40	
Markus	Hugh	St. George's, University of London	UK	200	200	
Melander	Olle	Malmo University Hospital	Sweden	100	300	
Montaner	Joan	Vall d'Hebron Hospital	Spain	169	176	Yes
Rothwell	Peter	Oxford	UK	40	40	Yes
Roquer	Jaume	Hospital del Mar	Spain	200	200	Yes
Schmidt	Reinhold	Medical University Graz	Austria	42	400	Yes
Sharma	Pankaj	Hammersmith Hospitals & Imperial College London	UK	75		
Slowik	Agnieszka	Jagiellonian University	Poland	224	420	Yes
Sudlow	Cathie	Western General, Edinburgh	UK	100	100	

For further info on this topic please contact:

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dbGaP Data Sharing Policy

In the Spring of 2008, the National Institutes of Health enacted a policy entitled “Policy for Sharing of Data Obtained in NIH Supported or Conducted Genome-Wide Association Studies (GWAS)” [link: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-088.html>]. This policy created a mandate that all investigators who have received federal funds through the NIH to perform whole genome analysis on blood samples after January 2008 must to submit their results data to the NIH's Database of Genotypes and Phenotypes (dbGaP) [<http://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/about.html>]. Once in dbGaP, these data would be made available to outside investigators via a data request mechanism detailed in the policy.

Data to be submitted to dbGaP include GWAS data and a limited phenotypic dataset on all subjects who have been genotyped with the NIH funding after January 2008, which includes all genotyping performed as part of the ICH GWAS project. Although this policy is mandated by the NIH, local institutions' Ethics Committees or Institutional Review Board have the ability to determine whether the consent forms which subjects have signed are consistent with the policy. The Ethics Committee/IRB can determine whether the spirit of the consent form would allow for this kind of data sharing, and whether there are any restrictions on data use.

On the following page is a list of the data points we are requested to share with dbGaP. If your site did not collect these data points, that is ok. Sites typically must request permission from local IRBs or Ethics Committees to share these data before they can be uploaded into dbGaP. Most sites have already applied for and have received permission to share data with dbGaP. **We ask that any sites who have not yet secured permission from their institution please make every effort to obtain sharing permissions as soon as possible.**

For any questions or concerns, please contact Lynelle Cortellini (lcortellini@partners.org; 1-617-724-8420).

dbGaP Data Points to be Shared

Phenotype Data to be Shared:

Demographics

Country of residence
Year of birth
Gender
Race
Ethnicity

Data Collection

Diagnosis source
Data collector

Lab Values

PT
INR
Platelet count

Anti-Coagulation Medication Use (Y/N) and Dosage

Wafarin
Aspirin
Heparin
tPA
Streptokinase
Clopidogrel
Ticlodipine
Prasugrel

Co-morbidities

History of Hypertension
History of Diabetes mellitus
History of Hypercholesterolemia
Current cigarette smoker

For cases only:

Year of hemorrhage
ICH location
of hemorrhages

Genotype Data to be Shared:

GWAS data generated using funds from the NIH

ICH GWAS Investigator's Meeting Agenda June 17th, 2011; Leuven, Belgium

ICH GWAS INVESTIGATORS MEETING JUNE 17TH, 2011 LEUVEN, BELGIUM

*K.U. Leuven
Leuven, Belgium*

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|-------------|---|
| 9:00-9:15 | Welcome/Introductions/Goals for the Meeting (J. Rosand) |
| 9:15-10:15 | Study Updates and Progress (J. Rosand) <ul style="list-style-type: none">-Recruitment update-New Partner Studies (D. Werring)-Genotyping progress-Imaging update-Scientific update |
| 10:15-10:30 | Future Directions (J. Rosand) <ul style="list-style-type: none">-Scientific Presentations-Recruitment Planning-Future Grants (Sequencing)-Future Sub-Project Proposals? |
| 10:30 | Adjourn |