**Minutes from AFGen call on June 22, 2016**

**Attending:**

|  |  |
| --- | --- |
| **AGES** |  |
| **AFNET/KORA** |  |
| **ARIC** | Alvaro, Dan |
| **CHS** | Susan |
| **WGHS** |  |
| **FHS** | Kathy, Honghuang, Josee |
| **Gutenberg** |  |
| **HABC** |  |
| **Ship** |  |
| **Cleveland Clinic** | John |
| **WHI** |  |
| **Luric** |  |
| **Malmo** |  |
| **MESA** | Henry |
| **Rotterdam** |  |
| **MGH** | Ingrid, Carolina, Lu-Chen, Patrick |
| **Prevend** |  |
| **Prosper** |  |
| **Vanderbilt** | Ben |
| **Korean AF network** |  |
| **Generation Scotland** | Caroline |
| **Beat-AF** | Sebastien |
| **BioMe** |  |
| **ULSAM/Epihealth/ Pivus/Twingene** |  |
| **FINCAVAS** |  |
| **Heinz Nixdorf** |  |
| **DDCHS** |  |
| **Sao Paulo** | Alex |
| **Munich WTCC stroke** |  |
| **Metastroke** |  |
| **Geisinger** |  |
| **UCL** |  |
| **Mayo** |  |
| **PR interval** |  |
| **Estonia biobank** |  |
| **Copenhagen City Heart Study** |  |

**Agenda**

**New business**

* MR clinical risk factors for AF – interim results (slides will be circulated before the call) - Lu-Chen/Steve
  + Beta1 and beta3 estimates come from different samples – source of bias?
    - Some studies suggest that it is better if they come from totally different populations.
  + Large dataset – we try to estimate the true relationship between risk factor and phenotype – should be independent of the sample
  + MR BMI and AF study by Christine/Neal was performed on individual level data, but shows similar OR (1.11 vs. 1.09). Reassuring to see that we get similar results using different approaches
* Review of external collaboration proposal: Mendelian randomization of metabolic traits and risk of atrial fibrillation (enclosed)
  + The proposal seems to be conflicting with ongoing efforts, such as the MR clinical risk factors and AF (Steve and Lu-Chen) and the MR lipids and AF (Michalis) in the AFGen consortium.
  + The AFGen GWAS meta datasets are not publicly available at present, so the proposal can’t be completed without the approval of the consortium. We have previously discussed and decided to make our new meta dataset (1000G) publicly available upon publication. Will discuss again on call in near future.
  + Pick back up on this proposal on next call when people have had more time to revise. Make final decision then.
* The Cross-Cohort Collaboration (CCC, 18+ NHLBI-supported cohorts) is interested in constituting phenotypic working groups that parallel the CHARGE model; the focus of the CCC is cross-cohort non-genetic research. See website: <https://chs-nhlbi.org/node/6539>. Since both CHARGE and the CCC share common membership, it has been suggested that members of any CHARGE phenotypic WG who wish to initiate/participate/lead a similar CCC WG with a focus on predominantly non-genetic research be given an opportunity to do so.
  + How would the CHARGE WGs prefer to engage with the CCC:
    1. Form a separate CCC Phenotype WG?
    2. Add non-genetic research to your existing CHARGE WG, and update the CCC steering committee periodically?
  + **Alvaro provides background**: Increasing collaboration across CHARGE cohorts; created the CCC. Right now it is a forum for different cohorts to discuss ways to facilitate collaboration to explore research questions that cannot be answered within a single cohort.
  + Suggest that we can introduce other projects on our AFGen call and if there is interest, break off on separate calls with interested parties.

**Old business**

* MR LDL cholesterol levels and AF - Michalis Katsoulis/JP Casas
  + Michalis will provide revised project proposal in a few weeks
  + **Contact Michalis (**[**m.katsoulis@ucl.ac.uk**](mailto:m.katsoulis@ucl.ac.uk)**) if you have questions / want to participate**
* MR thyroid free T4 level and AF - discussion of revised analysis plan – Christina/Dan
  + **Contact Christina (**[**christina@ellervik.dk**](mailto:christina@ellervik.dk)**) if you have questions to analysis plan / want to participate**
* Genetic Risk Score for Recurrence after AF Ablation - Ben/Steve
  + Waiting for the imputed data from Broad
  + **Contact Ben (**[**moore.b.shoemaker@Vanderbilt.Edu**](mailto:moore.b.shoemaker@Vanderbilt.Edu)**) if you want to participate**
* MR alcohol and AF – Jorge/Christine
  + Plan to circulate revised analysis shortly
* 1000G AF meta / Exome chip – Ingrid/Kathy/Carolina
  + Circulate draft before next call
* Broad AF project – Carolina
  + 1000G imputation is running
  + Approvals for almost all studies for HRC imputation – will upload to the Michigan server and run imputation when it is available
* WGS AF - Patrick
  + Waiting on final call set from Goncalos group
  + Provide one contact from each site to be the contact person for emails about other paper requests/proposals. Mostly want to use shared controls. PTE will make list and circulate.

**Next call:** July 13, 2016