**Minutes from AFGen call on August 10, 2016**

**Attending:**

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

**Agenda**

**New business**

* The druggable genome – JP Casas
  + Circulated link for paper on the topic
  + Working on an AF genetics grant application for the British Heart Foundation
  + Certain limitations
    - Funding cannot be used for human resources outside the UK
    - However, funding for genotyping can also be used outside of the UK
  + Planning to include several resources from the UK (UK biobank, UCLEB consortium, Caliber) and to integrate proteomics, metabolomics, and genomics.
  + Would like to invite AFGen as a collaborator in this application.
  + JP will prepare a 2 page summary, which ill be circulated to the group soon, but one of the aims of the project will be to actively concentrate on genes encoding proteins targeted by existing drugs.

**Old business**

* New WGS project for early-onset AF – Patrick
  + NHLBI/NHGRI approved funding for sequencing of additional 6300 EOAF cases, of which ~1000 will be of AA ancestry.
  + Negotiating the details at the moment
  + Half of the samples should be sequenced by Nov 2016 – most likely samples already at the Broad with dbGaP approval.
  + Will be sequenced across three different sequencing centers (Broad Institute, Baylor University, Washington University in St. Louis).
* MR lipids and AF – Michalis/JP
  + Script ready – except multivariate MR – working on the final version of this.
  + Anticipate to have all scripts ready by the end of August
* MR thyroid free T4 level and AF – Christina/Dan
  + 13 studies participating. 2 studies (PROSPER and PREVEND) have already sent their results. Deadline is September 1.
* Genetic Risk Score for Recurrence after AF Ablation - Ben/Steve
  + A lot of interest in participation.
  + Waiting for genotype data.
* MR alcohol and AF – Jorge
  + Waiting for information on how alcohol was collected in Fincavas for planning the effect modification analysis.
  + Analysis plan will be circualted as soon as this is resolved.
* 1000G AF meta / Exome chip – Ingrid/Kathy/Carolina
  + Manuscript/supplement is very close to complete. Will circulate shortly.
* Broad AF project – Steve/Carolina
  + 1000G imputation ongoing.
  + Plan to meta-analyze with 1000G AF as soon as imputation is complete.
* WGS AF – Patrick, Steve
  + 3000 cases AFGen, 4000 referents FHS.
  + Genotypes have been called at University of Michigan.
  + Pulling down ganotype calls at the moment – plan to do initial QC on those data.
  + Will present initial results from that soon.
* Emelia will provide more details on our planned AFGen meeting at AHA in November on our next call.

**Next call:** August 24, 2016