**Minutes from AFGen call on June 25, 2016**

**Attending:**

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

**Agenda**

**New business**

* Genetic Risk Score for Recurrence after AF Ablation – presentation of analysis plan - Ben
	+ Does addition of a genetic risk score including all of the known genetic loci associated with AF to a clinical only model improve prediction of arrhythmia recurrence following AF ablation?
	+ Only one variant at the 4q25 locus has previously been associated consistently with AF recurrence after AF ablation
	+ Ideal to get this out soon, before the 1000G is published?
	+ Wait for the final genotyping in the Broad GWAS? Concern about colliding with the Ablation GWAS. Different questions answered by the two studies.
	+ **Next steps:**
		- **Ben will reach out to groups who have contributed data to AF ablation study**
		- **Working on initial analysis in Vanderbilt – will share results at later point**
		- **Please contact Ben (****moore.b.shoemaker@vanderbilt.edu****) if you want to participate!**

**Old business**

* MR alcohol and AF – presentation of recently published paper on this topic – Jorge
	+ Found a linear relationship between alcohol intake and AF in men, not in women.
	+ No association between genetic variants for alcohol intake and AF.
	+ Now 5,685 cases -> wish to include more individuals; goal is at least 6,000.
	+ Propose to analyze incident cases only.
	+ Another paper on association between alcohol and cardiovascular disease was circulated with today’s agenda; using participant level data. Feasible to do this analysis?
	+ Association seems to be for heavy drinkers. Would the genetic risk score be sufficient to model this? Could add drinkers vs. non-drinkers.
	+ Lookup SNPs in 1000G AF study and look for association with AF.
	+ **Please contact Jorge (****jwong37@partners.org****) and Christine (****calbert@mgh.harvard.edu****) if you want to participate!**
* MR thyroid free T4 level and AF - discussion of revised analysis plan – Dan
	+ Postponed to later call
* 1000G AF meta / Exome chip – Ingrid, Kathy, Carolina
	+ After additional QC issues, the final results are now complete.
	+ Will send for lookup in stroke consortium and eQTL analysis in the Cleveland Clinic LAA samples shortly.
	+ Working on in silico functional lookups
	+ Aim at circulating the manuscript within a few weeks
* Broad AF project – Steve, Carolina
	+ Working on imputation
* WGS AF – Patrick
	+ Sequencing is finished for EOAF and controls; variant calling underway at Michigan
	+ Sequencing has also been performed in approximately 20 cohorts not on this call (other phenotypes) – plan on contacting these cohorts to see whether it is possible to get access to AF data.
	+ Anticipate to have a regular call. **Let Patrick (****ellinor@mgh.harvard.edu****) know if you want to participate.**

**Next call:** June 8, 2016