**Minutes from AFGen call on April 27, 2016**

**Attending:**

|  |  |
| --- | --- |
| **AGES** |  |
| **AFNET/KORA** |  |
| **ARIC**  | Alvaro |
| **CHS**  | Susan, Nona |
| **WGHS** | Dan, Christina |
| **FHS**  | Emelia, Honghuang, FHS |
| **Gutenberg** |   |
| **HABC** |   |
| **Ship** |  |
| **Cleveland Clinic** |  |
| **WHI** |   |
| **Luric**  |  |
| **Malmo** |  |
| **MESA** | Henry |
| **Rotterdam** |  |
| **MGH**  | Ingrid, Steve, Carolina, Patrick |
| **Prevend**  |  |
| **Prosper** |   |
| **Vanderbilt** | Ben |
| **Korean AF network** |  |
| **Generation Scotland** |  |
| **Beat-AF** |  Sebastien |
| **BioMe** |   |
| **ULSAM/Epihealth/ Pivus/Twingene** |   |
| **FINCAVAS** |   |
| **Heinz Nixdorf** |  |
| **DDCHS** |  |
| **Sao Paulo**  |  |
| **Munich WTCC stroke** |  |
| **Metastroke** |  |
| **Geisinger** |  |
| **UCL** |  |
| **Mayo** |  |
| **PR interval** |  |
| **Estonia Biobank** | Tonu Esku |

**Agenda**

**New business**

* Copenhagen City Studies Introduction – Christina
	+ 3 studies;
		- Copenhagen City Heart Study: 1970’s-1990’s
		- General population studies:
			* 2000-2010 – 100,000 individuals
			* 2010-2013 – 20,000 individuals
		- Genetic data available, but uncertain which genotyping chip
		- PIs: Børge Nordestgaard, Stig Bojesen, Christina Ellervik
		- Christina will compile a table summarizing phenotypes and genotyping chip available for each study
* MR clinical risk factors for AF – Steve
	+ Waiting for completion of 1000G results
* MR alcohol and AF - Dan
	+ The Copenhagen City Heart Study recently published a paper on MR for alcohol and AF (”Alcohol consumption and risk of atrial fibrillation: Observational and genetic estimates of association.” PMID: 27071860); very similar to the project proposed in AFGen. Jorge, Christine, and Dan are currently evaluating whether there are additional analyses to be done on the topic.
* MR thyroid free T4 level and AF – Christina/Christine
	+ Studies that have shown interest in participating: MDCS, LURIC, MESA, Prevend, WGHS, ARIC, and Copenhagen City studies
	+ FHS, CHS, GENAF also interested
	+ **Still hoping to add new studies!**
	+ **Please contact Christina Ellervik (****ellervik@gmail.com****) for questions or participation**

**Old business**

* AF WGS initial analysis - Honghuang/Steve
	+ Working on how to approach analysis of non-coding regions and conserve power; currently exploring functional annotations within associated AF loci
	+ Have now annotated all variants in TOPMed for analyses
	+ Expecting freeze 3 soon, probably not the final freeze, but may contain all individuals in our project
	+ Honghuang working on QC steps
	+ Will present more QC data when we have more results – hopefully within 4-6 weeks
* 1000G AF meta / Exome chip - Ingrid/Kathy/Carolina
	+ Working on conditional analysis and manuscript
* Broad AF project - Steve/Patrick
	+ Analyses underway
* PWI GWAS – Ingrid/Patrick/Jared
	+ Rejected by EHJ – submitting to PLOS Genetics
	+ Accepted for ”Best poster presentation” at ESC in Rome, August 2016
* AF genetic prediction paper - Steve
	+ Submitted

**Next call:** May 11, 2016