

## Summary IMpACT TC, 8 June 2017

Chair: Andreas

Present: Andreas, Bru, Alejandro, Tetyana, Nicoletta, Marieke and Nina

### Agenda:

1. Update To-do-list
2. Project proposal Nicoletta Adamo: Study on remitters from ADHD, Nicoletta
3. Update projects
  - a. Progress adult ADHD GWAS MA, ideas for the combined meta-analysis form PGC and iPSYCH (Marta)
  - b. Follow-up Pharmacogenetic project Brazil, Claiton
  - c. Epigenetics, investigation of epigenetics in psychiatry by looking at methylation patterns. (Tetyana)
4. New plans
  - a. CDH13, Alejandro
  - b. NEO- neuroticism genes, Andreas
5. Evaluation 10-year Anniversary meeting IMpACT
6. Others

### 1. Update to-do list

	What	Who	Deadline
1	Ideas for the combined PGC and iPSYCH meta-analysis	All	Next meeting
2	Collection of available IMpACT data	Claiton	Next meeting
3	Marieke will circulate a brief summary of the project idea and make a list with all candidate genes.	Marieke/Barbara	Done

### 2. Project proposal Nicoletta Adamo: Study on remitters from ADHD, Nicoletta

Nicoletta is studying remission in ADHD using samples from the UK and from The Netherlands. However, she is left with very few cases when excluding siblings. Therefore, she is looking for suggestions of other samples available that could be included in this study.

She has plans to submit this study idea as a fellowship proposal (eg. VENI, Wellcome Trust, others suitable for clinicians). Andreas finds the topic interesting and thinks the exact proposal needs to be discussed on greater detail. Nicoletta will discuss it further with her supervisors and get back to the group when she has a more clear proposal.

### 3. Update projects

- a. Progress adult ADHD GWAS MA, ideas for the combined meta-analysis from PGC and iPSYCH (Marta)

Marta unfortunately was not able to join the call.

**b. Follow-up Pharmacogenetic project Brazil, Claiton**

Claiton unfortunately was not able to join the call

**c. Epigenetics, investigation of epigenetics in psychiatry by looking at methylation patterns. (Tetyana)**

Unfortunately there are no notes registered in the minutes on this point.

**4. New plans:**

**a. CDH13 gene-wide analysis, Alejandro**

Alejandro states that the results are not very promising - PGC 0.06 (no-window), 0.09 (100kb). So he thinks they should decide what to do and “get done with it”.

MAGMA 1.05 results for CDH13

**IMpACT adult ADHD GWAS (Qced stringent filters Marta from May2017)**

Flanking region	GENE	CHR	START	STOP	NSNPS	NPARAM	N	ZSTAT	P
0 kb	1012	16	82660399	83830215	5779	841	21161	-0.49156	0.68848
100kb	1012	16	82560399	83930215	6772	995	21161	-1.0153	0.84502

**PGC iPSYCH GWAS (QC INFO>0.8, MAF>0.01)**

Flanking region	GENE	CHR	START	STOP	NSNPS	NPARAM	N	ZSTAT	P
0 kb	1012	16	82660399	83830215	6088	903	55374	1.5102	0.065492
100kb	1012	16	82560399	83930215	7153	1035	55374	1.3167	0.093966

**b. NEO-neuroticism genes, Andreas**

Andreas’ group has been looking into the genetics of neuroticism (NEO) in adults with ADHD. He is now gathering information on datasets with personality data available within IMpACT sites.

Andreas asked the Dutch group to check updated number of samples with genomic and personality data available. Marieke found out that there are in fact 110 individuals with ADHD in the IMpACT-NL sample that have GWAS+personality data.

**5. Evaluation 10-year Anniversary meeting IMpACT**

Only positive comments were made for this point, such as: “Nothing to discuss about it: It was just great!!”; “Barbara isn’t on the call so we could praise her.” and “It was a wonderful meeting.”

## **6. Others**

### **a. EU grants**

Sites other than Nijmegen-Frankfurt should step in and coordinate project proposals of EU grants.

At least 3 contact points should lobby for ADHD work to be included in the call of mental health in the workplace. Modification on July (people will let Andreas know). Official proposal on September or October.

Regarding the Comorbidity call - Alejandro thinks it's not the time to apply for microbiome again now.

**b.** We should have a meeting during the WCPG in Orlando.

**c.** Alejandro reminds people that the Eat2beNice kick-off meeting is coming up (September).