

## Summary IMpACT TC 9<sup>th</sup> of March 2017

Alejandro, Claiton, Andreas, Peter, Nina, Barbara, Bru, Tetyana, Jan, Marta, and Angelien

### Agenda:

1. Update To-do-list
2. Update projects
  - a. Progress adult ADHD GWAS MA (Marta)
  - b. Epigenetics
  - c. Other (all)
3. 10-year anniversary meeting of IMpACT May 8<sup>th</sup> and 9<sup>th</sup> (see draft on following pages): how do the different sites plan to fill in their time slot? (all)
4. Others

### AFTER 30 MINUTES WE WILL BE JOINED BY ADDITIONAL MEMBERS OF THE ECNP NETWORK

#### 1. Update To-do-list last meeting

	What	Who	Deadline
1	Claiton will send a revised and shortened version of the attached document, with the minimal requirements inviting IMpACT partners to collaborate on a pharmacogenetics study. This subject will be scheduled for the next meeting. Angelien will send the revised version to all members.	Angelien	Next meeting
2	Document with the plans of IMpACT groups for 2017 will be sent around. All members should check and add their plans. Postponed to next meeting.	Angelien, all	Next meeting
3	Epigenetics TC with Bru, Barbara, Marta, and Tetyana. Agenda point 2b	Tetyana	done
4	Summary statistics exome chip data to all members. The data has been sent to all members who have been contributed to the data.	Tetyana	done
5	Doodle for the participation of juniors and seniors on the IMpACT 10-year anniversary meeting	Angelien	done

#### 2. Update projects

##### 2a. Progress adult ADHD GWAS MA (Marta)

- QC is done for all samples, no additional data necessary. Finalizing imputation and harmonization of one last dataset now. Summary statistics for meta-analysis will be sent in the following weeks.
- Update on the childhood vs. adulthood PGC approved proposal: including the analysis of the children samples is next. This step is difficult to set-up, because we need information about remitters and persistence of ADHD.
- Is it possible to start a new project following up childhood samples of ADHD, who are now in adulthood in order to really evaluate remission/persistence and perform this on a large

scale? This is an enormous amount of work but perhaps worth the effort. Worthwhile to investigate the possibilities during the IMpACT meeting in May.

**2b. Epigenetics (Tetyana)**

- Marta is a bit worried that there should be no overlap with other studies that are being carried out by 2 students from their group. The MiND project will overlap the IMpACT project, but in order to avoid that, Tetyana suggests we could start with the parent of origin proposal.
- Barbara: In Nijmegen a epigenetic study is set up with target sequencing. We don't know yet if the quality is good enough. Barbara has also a cooperation with Amsterdam on adult ADHD symptoms (N= ~2000 individuals). They are looking for a replication cohort for this study.
- Illumina has offered reduced rates for an epigenetic chip (EPIC chip= 850K). Norway is interested.

**2c others**

- Claiton already sent the proposal for the pharmacogenetics study, this will be discussed at the next meeting

**3. 10-year anniversary meeting of IMpACT May 8<sup>th</sup> and 9<sup>th</sup> (see draft on following pages): how do the different sites plan to fill in their time slot?**

- Important to remember is that there should be no overlap between the poster session and the presentations. Below, the summary of how different sites plan to fill in their time slot.
- Members of ECNP can get their travel costs and one night stay reimbursed.
- Barbara is asking for KNAW grant for the reimbursement of travel and hotel cost for juniors and seniors.

**4. Others**

Not discussed

**To do list**

	<b>What</b>	<b>Who</b>	<b>Deadline</b>
1	Angelien will send the revised version of Claiton's pharmacogenetics project to all IMpACT members.	Angelien	Next meeting
2	Document with the plans of IMpACT groups for 2017 will be sent around. All members should check and add their plans. Postponed to next meeting.	Angelien, all	Next meeting

## Proposed program for the IMpACT 10-year anniversary + ECNP Network meeting

Sunday evening	<b>Arrival and check-in of participants, shared dinner for those interested and already present</b>
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### Monday, May 8

9.00h	Welcome Barbara Franke, 30 min
9.30h	Speakers/Projects, ideas and plans from IMpACT UK
10.00h	Speakers/Projects, ideas and plans IMpACT Brazil Neuroimaging protocol that just started and can still receive suggestions/inputs and explore possibilities of collaborations. Will also talk about general ongoing works and plans.

10:30h	<b>Poster session + Coffee Break</b>
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11.45h	Speakers/Projects, ideas and plans IMpACT Norway Different work areas: topics on epigenetics, epidemiology, and genetics.
12.15h	Speakers/Projects, ideas and plans IMpACT Spain Finding ways to explore candidate genes for ADHD that are coming out of GWASs; exploring genes, functional modelling and ongoing miRNA project.

12.45h	<b>Lunch</b>
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14.00h	Speakers/Projects, ideas and plans IMpACT Sweden Ongoing and future projects from the Swedish site. Also plan to give Joanna Martin some time to present her work on Swedish and consortia data.
14.30h	Speakers/Projects, ideas and plans IMpACT US Steve and Alysa will not be able to join

15.00h-16.15	<b>Poster session + Coffee Break</b>
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16.30h –	Dinner and Social event
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**Tuesday, May 9**

9.00h	Speakers/Projects, ideas and plans IMpACT Germany Cross disorder(-trait) meta-analysis on ADHD GWAS & lithium response GWAS; IPS PARK2 duplications (Andreas) Translating the genetic findings into zebra-fish and mouse models (Peter)
9.45h	Speakers/Projects, ideas and plans IMpACT Netherlands Microbiome: first data on children will probably be ready; ADHD and ASD, Epigenetics: will discuss plans since first data will probably not be ready yet; Feasibility of endophenotype model , comparison of old and new data; Results of cross-disorder(-trait) MA of ADHD and Brain data (ENIGMA); Genetic correlation between ADHD GWAS and SAGA.
10:30h	<b>Coffee Break, start of ECNP Network Meeting</b>
11.15h	Presentation(s) by network members from Mannheim
12.00h	Presentation(s) by network members from Hungary
12.45h	<b>Lunch</b>
14.00h	Business meeting ECNP Network ADHD across the Lifespan Presentation at ECNP Taskforce meeting Update on phenotyping battery
16.30h	<b>Coffee and End of meeting</b>