

Summary IMpACT PI meeting 14th of January 2016

Present: Jonna, Marta, Jan, Barbara, Alejandro, Andreas, Steve, Angelien, (Henrik - via info given prior to call)

Agenda:

1. To-do-list
2. Evaluation Meeting Brazil
3. Update projects
 - a. RNA-project Spain (Marta)
 - b. Personality study (Claiton/Toni)
 - c. Adult ADHD GWAS MA (Marta)
 - d. others
4. Research plans with IMpACT database per site for 2016 (all sites)
5. Discussion of nutrition EU grant (Alejandro, all)
6. Website
7. IMpACT Meeting 2016
8. Other

To-do-list from earlier calls:

- Marta will send an email about the protocols used for the isolation, how much RNA, how many samples etc., and perhaps we can centralize the processing to reduce heterogeneity.
- Barbara will ask Delosis to send information on the security measures for their platform, which might be needed for ethics application at several sites.
- Plans 2016: please send your plans to Angelien (for most of you this will be the slides from Florianopolis)

1. To-do-list:

We have received the information on the security measures. Angelien will send this, and then it can be discussed with the local ethics committees, where applicable. We will try to use a part of the 'Test my Brain' battery that Steve sent in one of the future chunks.

2. Evaluation of Brazil meeting:

The Brazil meeting was great! Well-chosen location, excellent organization. Regarding the IMpACT business and brainstorm meetings, Barbara was extremely pleased with the active participation of all members.

Having the IMpACT meeting in combination with the Brazil PRODAH meeting was very informative. This combination provided a very good opportunity to see the background in which IMpACT Brazil operates. Other IMpACT members agreed on that, everybody was impressed by the high level scientific of the projects, the ambition and enthusiasm of the employees and students and the sheer number of ongoing projects.

3. Update projects

a. RNA project Spain (Marta)

Martha is finishing the comparison of the RNA protocols, and she will send the results to all IMpACT members. One of the findings is that there is a difference in expression between the Qiagen protocol and the FicolI protocol.

b. Adult ADHD GWAS (Marta)

The Broad institute gave the approval for the analysis. All members have received their genotyping data. Marta will contact Ben to get access to the 23andme data.

c. Others

- Steve mentions that the final PGC-iPSYCH analysis might come be available at the end of the month, but since the release date has been changed so often, he cannot say for sure.
- Nina Roth from Claiton's group will visit Nijmegen from January 16 on, she will stay for 2,5 months.
- Jonna together with Henrik is working on the Swedish registry data, final results this week. Barbara mentions that Luis Rohde mentioned a reference that would be of interest for this work. Barbara will ask him and send it to Jonna.
- Jonna is launching a study on the comparison of parent-reported with self-reported ADHD scores, and asks if such information is also present in the IMPACT database. The group does not seem to have such data. Jonna has data from interviews done with parents and children. Such information might be available in the NeuroIMAGE sample. Jonna will meet with Jan Buitelaar this week and will discuss this.

4. Plans 2016

Netherlands: Alejandro/Barbara

- (1) CDH13 – rare and common variants and their role in ADHD and its comorbidities (those relevant to CoCA)
- (2) Meta-analysis of the adult ADHD GWAS-MA (from Spain) and SAGA (adult ADHD traits in the population) (Marieke Klein)
- (3) Microbiom project with Brazil and Spain.

UK: Jonna

- (1) CoCA clinical trial
- (2) MiND: polygenic prediction – potentially one could use Marta's results from the adult ADHD GWAS-MA to see predictive value for persistence
- (3) Swedish registry data with Henrik
- (4) Prison cohort

USA: Steve

- (1) ADHD GWAS-MA not yet done
- (2) Data analysis using the PGC; importantly, the PGC3 NIH grant got very good scores, and it will employ several data analysts, so that the PGC data becomes available to a greater community
- (3) Method to measure malingering, which seems to occur in adults feigning ADHD

Sweden: Henrik

- (1) Work related to CoCA - mainly WP1
- (2) Initiate a pilot-study for large-scale population-based data collection of adult ADHD cases
- (3) Birth month, ADHD and adult outcomes. Register study with Jonna Kuntsi.
- (4) Continue to encourage IMPACT members to use Swedish registers in studies of ADHD.
- (5) ECNP symposium discussant for TNM about registry-studies of ADHD in Vienna.

Barcelona: Marta

- (1) PGC-IMPACT meta-analysis adult ADHD
- (2) Epigenetics analysis in MiND
- (3) Microbiom analysis together with Alejandro
- (4) Cannabis use – ADHD GWAS-MA
- (5) Expression analysis (see above)

Norway: Jan

- (1) Exome chip data under review in Molecular Psychiatry
- (2) Analysis of neuropsychological data in the IMpACT database
- (3) Analysis on epidemiological data as part of CoCA

Germany - Frankfurt: Andreas

- (1) Start CoCA
- (2) Work on cell models in MiND
- (3) Expand on bipolar disorder and ADHD overlap, e.g. lithium response genes

Peter and Claiton need to add their 2016 plans. Angelien will ask.

5. Nutrition Grant (Alejandro)

- We need a name for the project. If someone has an idea. please email this to Alejandro. Alejandro also has contacted Julia Rucklidge (New Zealand), who is a renowned micro-nutritionist. We would like to include her as a consultant in the project.
- Alejandro would like to involve social media such as Facebook and Google. The question is how to involve the social media in a research grant. All members find this a good idea to approach people who are involved in Facebook and Google.

6. Website

- The link for the IMpACT website is <http://www.impactadhdgenomics.com>. Janneke and Angelien will give all IMpACT members a login for the intranet part and send it around. They will inform the Hands-on people about this action. Janneke and Angelien are also investigating if it is possible to add a forum, where all members have the possibilities to add interesting papers or presentations.

7. IMpACT meeting 2016

Henrik asks if Stockholm is the right location for the IMpACT meeting this year. As mentioned in the last summary, we would like to combine meetings, because we have a lot of overlapping projects. An option would be to meet at ECNP in Vienna, where we will also have the ECNP Network meeting. Angelien will organize a Doodle, were she will check the availability of the IMpACT members.

8. Other

- Barbara will go on sabbatical from February 1 to June 30.

To-do-list	Who	Deadline	
1	Marta will send results of comparison of RNA isolation protocols	Marta	Next meeting
2	Plans 2016: Peter and Claiton, please send your plans to Angelien	Peter and Claiton	Next meeting
3	Login Website to all IMpACT members via hands-on people	Angelien/ Janneke	Next meeting
4	Name nutrition grant	All	a.s.a.p.
5	IMpACT meeting 2016 in combination with ECNP Network meeting in Vienna - check availability	Angelien	Next meeting