

## Summary of the IMpACT meeting in Florida on December 2 2009

**Present:** Jan H., Phil, Steve, Andreas, Toni, Bru, Eric, Barbara

### Agenda

1. Inclusion of other groups into IMpACT? Question from Luis Rhode's group
2. Adult ADHD review
3. Genotype database
4. Collaborative PhD/postdoc projects
5. EU project
6. Representation on meetings 2010
7. Any other business

#### 1. Inclusion of other groups into IMpACT? Question from Luis Rhode's group

We again got the question from Luis' group if they could join. They have been asking us this question for the last 3 years and they have a quite considerable sample (n=450 patients).

Potential advantages of letting additional groups participate in IMpACT is the fact that we get more samples. Given the little result of the meta-analysis of the child ADHD samples and the correlation Steve showed exists between sample size and the p-values in the GWAS within the PGC, we know that we will need considerably large samples to be successful in GWAS.

Potential disadvantages of more IMpACT members are the increased organization efforts and an increased heterogeneity of the sample (phenotype and genetic background).

However, it is our policy in IMpACT that not every group has to participate in all studies and our loosely organized format. For that reason we might not have to worry so much.

The new group should commit to the way we work, though, and participate in our plans to share phenotype and genotype data and approve our phenotyping protocol. Furthermore, our meetings will often be held in Europe, which might pose a problem to the Brazilian group.

We decide to take Luis' group as a test case, after which we decide if we are going to let additional groups participate.

Barbara will prepare an e-mail to send to Brazil, with the details about participation in IMpACT.

#### 2. Adult ADHD review

There are a few reasons for wanting to write a review on adult ADHD at the current time:

- There is no recent good review about adult ADHD genetics.
- There are now a number of heritability studies showing heritability of (only) about 30% for adult ADHD. We need to put these studies into perspective.
- We want to advertise IMpACT.
- We want to explain that this is a meaningful phenotype (validity, assessment, prevalence) and also describe the shortcomings of the current diagnostic criteria for adult ADHD (lack of an emotional component).
- We might be able to write a bit in the direction of the EU project we are planning (see below).

Where could we send such a review?

We think about Psychological Medicine (IF: 4.7), Neuropsychopharmacology (IF: 6.8) or Biological Psychiatry (IF: 8.7). However, before sending the manuscript, we will send presubmission inquiries to the journals. Barbara will prepare a letter for this.

We decide on a new deadline for sending the components of the review to Barbara: January 31 2010.

### 3. Genotype database

Eric, Bru and Stefan will revive their working group to find a suitable database format for us. Eric volunteers to fill the database.

### 4. Collaborative PhD/postdoc projects

The time is ripe to have a postdoc or PhD student for IMpACT. We have so much data now and will get even more when the GWAS is done. If we do not get the funding for the GWAS, we might also decide to start a replication study of findings from the child ADHD GWAS (selected on basis of p-values and/or involvement in other psychiatric disorders [idea from Stefan]).

The postdoc will need to like to travel between the members of IMpACT, but should be centered at one site.

How could we find funding for such a researcher? We might think about the Marie Curie program of the EU, or about attracting local funding. Apparently, some research councils might be open to projects, in which different countries apply to their own research council at the same time, stating that this is an international collaboration. Barbara asks every site to look into such possibilities in their country.

### 5. EU project

We brainstorm about the project. We need to try to modify the Brain and brain-related disorders call for 2011 according to our wishes, or put a project in for a new call.

The group should not be too large. We cannot focus on only one disorder, though. We need to prepare a short abstract and send it in to the EU from different countries. The following deadline might be as early as March 2010, please ask in your own country about this.

A possible subject might be: **MECHANISMS OF EMOTIONAL SELF CONTROL**, including aspects of self regulation and mood instability in a developmental perspective. However, we also need to target an economically important group, like criminals of addicted people.

We have to decide whom we want to include in the project, based on scientific impact and geographical location. Of course, the scientific questions to be asked in our project should be clear for this. We want to include those universities, that also have child psychiatric clinics and those who can perform animal work.

### 6. Representation on meetings 2010

We will try to put in a proposal for a TEM for the ECNP 2011. **Who is doing this??**

We should try to get a symposium for adult ADHD at the WCPG in 2010. Steve is in the program committee, as is Nick Craddock. We have to lobby with them a bit ☺. Barbara will send round e-mail to start up the discussion on the content of this symposium.

At the ECNP 2010, we will try to be represented with talks and/or posters.

## 7. Any other business

- During this meeting, we found out that many of us have prevalence data on adult ADHD from self reports. We should put this into a publication. Who wants to take the lead?
- Phenotype database: Eric will help with the data-harmonization.
- We have not come any further regarding the website, yet.
- We will plan a phone meeting for January 2010.

### To do list:

	Required action	Person/group required to take action	Entry date into list	Deadline
1	Fill out the phenotyping database	All sites	07-09-09	End of 2009
2	Prepare relevant sections of adult ADHD review	All sites	Dec. 2009	31-01-2010
3	Send through results of comparison Barkley vs ASRS scale	Phil	07-09-09	Before next meeting
4	Send mail to Brazilian group with prerequisites for joining IMpACT	Barbara	2-12-09	asap
5	Decide on best solution for set up of genotype database	Stefan, Bru, Eric	07-09-09	asap
6	Website design and hosting	Barbara	07-09-09	asap
7	Distribute relevant chapters from a currently compiled book on ADHD	Phil	07-09-09	asap
8	Update IMpACT contract	Barbara	07-09-09	31-01-2010
9	Send paper by Skirro et al. to IMpACT members	Phil	2-12-09	asap
10	Prepare presubmission inquiries	Barbara	2-12-09	Jan. 2010
11	Ask about funding opportunities with local research councils	All	2-12-09	asap
12	Inform in your own country about deadline for EU project	All	2-12-09	asap
13	Think about WCPG adult ADHD symposium	All	2-12-09	Jan. 2010