

# Reserve, Resilience, and Protective Factors PIA Business Meeting Summary

**Location:** Toronto, Canada, Westin Harbour Castle Hotel, Room:  
Pier 3

**Date:** Saturday, July 23, 2016

**Time:** 9:30-10:30 a.m.

**Facilitator(s):** Yaakov Stern

## Workgroups

Below are the proposed workgroups. They will likely evolve (e.g. interact, merge, and separate) as the PIA develops.

### **Workgroup 1. Empirical Definitions and Conceptual Frameworks**

Lead: Yaakov Stern

Proposed Aims:

- Define terms (e.g. reserve, maintenance, efficiency)
- Guidelines on research criteria
- Good 'test beds' for testing reserve proxies
- Produce a paper by next PIA

### **Workgroup 2. Functional and Structural Brain Changes**

Lead: Michael Ewers

Proposed Aims:

- Review approaches and criteria
- Share statistical methods (e.g. graph theory)
- Joined data analyses, for example:
  - o Cross-validate findings between different labs
  - o Compare different analysis approaches in common data sets

### **Workgroup 3. Develop and Validate Proxies for Reserve**

Lead: Michael Valenzuela

Proposed Aims:

- Determine what we are trying to measure (e.g. protection, compensation, disease modification)
- Determine the characteristics of pro-reserve factors (e.g. modifiable, activity-dependent)
- Explore different strategies or methods for quantification of these factors

## **Workgroup 4. Population-based workgroup**

Lead: Robert Perneczky

Proposed Aims:

- To take a public health perspective on reserve, resilience and protective factors
- To increase utilization of established large cohorts (e.g. from cancer research) by using data and findings from more experimental research and apply them to population cohorts

### **Group Discussion**

#### **How will workgroups work structurally?**

- People will be asked to register for workgroups that they are interested in joining.
- It was proposed that each workgroup would have a launch meeting. The chairs could make a concrete proposal, then facilitate a group discussion to jointly 'carve out the direction' of the workgroup.
- It will be important to identify deliverables for each workgroup.
- Members are encouraged to join as many workgroups as they would like, but there will likely be a self-selection process of active workgroup participants.
- It was noted that meeting times of the workgroups should not conflict, to allow members to join multiple meetings/workgroups.

#### **How would workgroups and PIA members interact?**

- Alzheimer's Association will support webinars and conferencing.
- The minutes of each workgroup meeting will be written and sent to PIA members.
- Workgroups can give presentations to the larger PIA group.

#### **Future Plans – AAIC 2017:**

- People may be able to submit the same abstract to both the PIA symposium and the main conference (this needs to be confirmed). When submitting an abstract members can tick the 'Reserve, Resilience and Protective Factors' PIA so that posters/presentations will be grouped together.
- Will propose a symposium for the conference, if it is not accepted then it could become the PIA agenda.
- Could also have another data blitz during the PIA day. If limited to about 15 presentations, we can have more time for discussion and questions.
- Possible to have posters (either during the PIA or the main conference?). The posters would allow additional people to present, and perhaps we can give an award for the best student presentation.

#### **Future Plans – Other:**

- Will investigate feasibility of creating a PIA website and/or a summary of shared resources (e.g. data sets people are willing to make available) to facilitate sharing of information, data and results.
- An open question -- Can we get funding for a separate meeting at some point that would not be dependent on PIA day?

**Key Action Items**

- If you are interested in joining one (or more) of the workgroups listed above please email ReservePIA@gmail.com
- Once we assemble all the members, the workgroup leaders will contact you for the first workgroup teleconference. At the launch meeting of each workgroup, the chairs will make a proposal of the direction and deliverables; and facilitate a group discussion to jointly 'carve out the direction' of each workgroup. The minutes of each workgroup meeting will be circulated to its members.