

ACCELERATING RESEARCH ON CONSCIOUSNESS



TEMPLETON WORLD
CHARITY FOUNDATION

Open science adversarial collaboration



IDEAS TESTED

Global Workspace Theory



Consciousness occurs when sensory data for an experience enter the “Global Workspace” and is broadcasted to other centers in the brain. The prefrontal cortex is a central node for broadcasting.

Integrated Information Theory



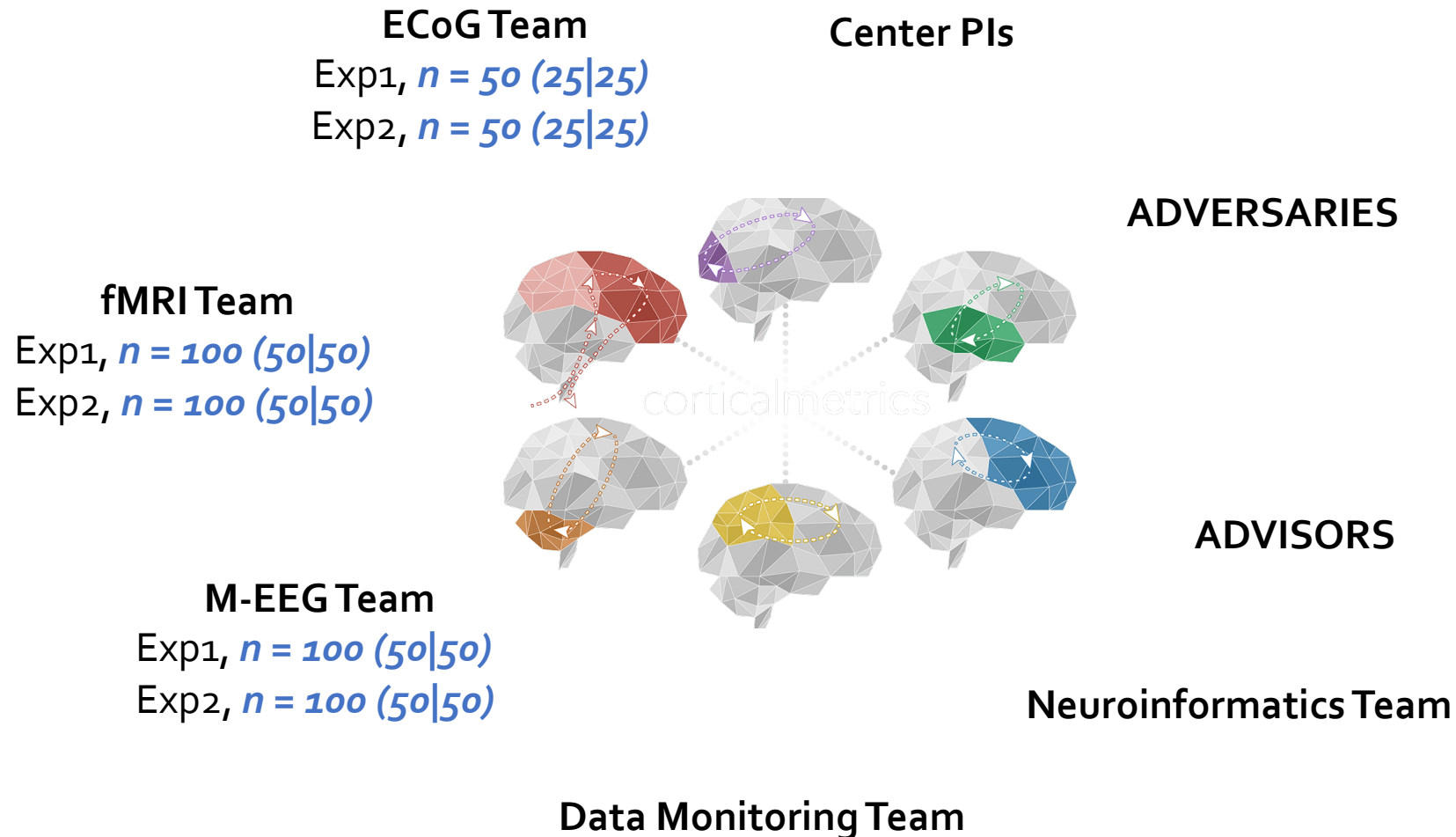
Phi, a measure of consciousness, is higher in systems with many interconnected modules, such as a “hot zone” at the back of the brain.

New Scientist, 2018

Tim Rakow et al., Thinking & Reasoning, 2015



Team science, powered studies, internal replication



TEAM Challenge :: Credit Assignment



CRedit author statement

Conceptualization

Methodology

Software

Validation

Formal analysis

Investigation

Resources

Data Curation

Writing – Original Draft

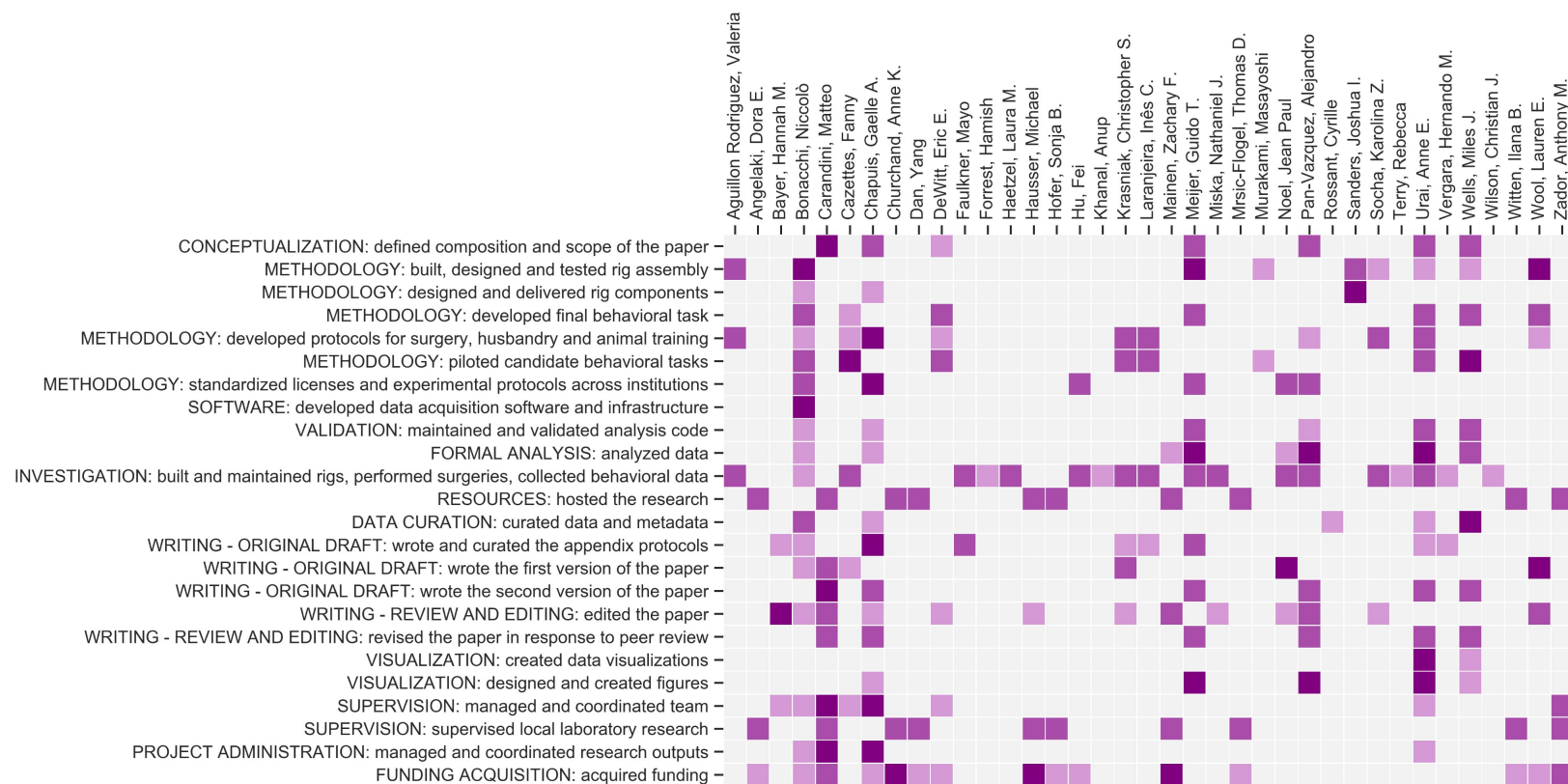
Writing – Review & Editing

Visualization

Supervision

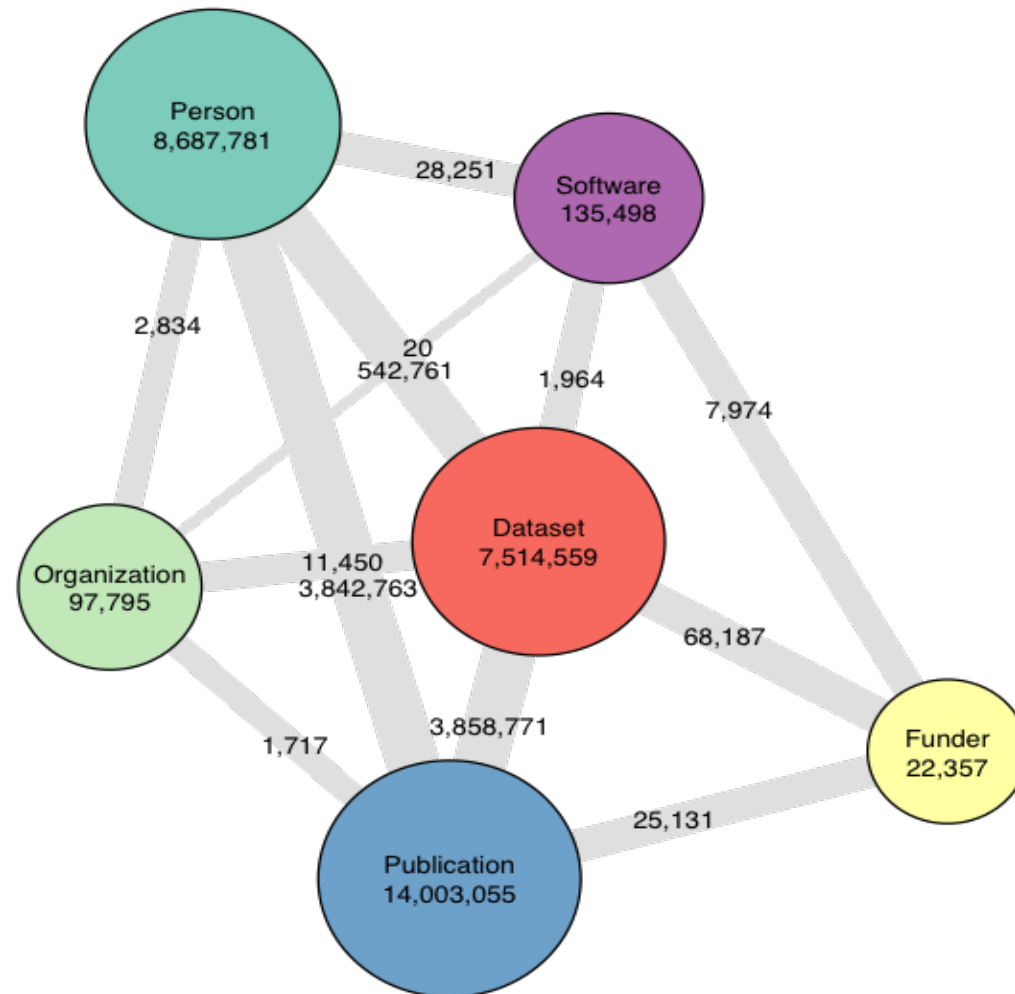
Project administration

Funding Acquisition



Example taken from the International Brain Lab

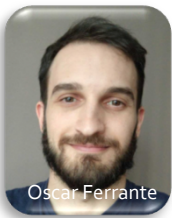
Open Science, Credit Assignment and Graph Analytics



Transforming science: It takes a village



Katarina Bendtz



Oscar Ferrante



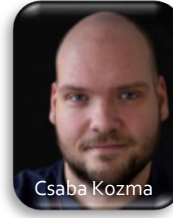
Urszula Gorska



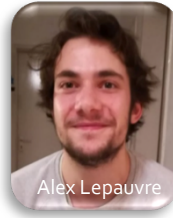
Rony Hirschhorn



Aya Khalaf



Csaba Kozma



Alex Lepauvre



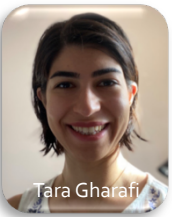
Ling Liu



David Mazumder



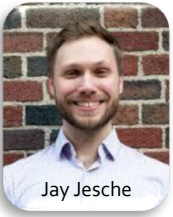
David Richter



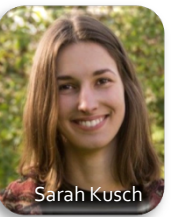
Tara Gharafi



Dorottya Hetenyi



Jay Jesche



Sarah Kusch



Stephanie Montenegro



Abdo Sharaf



Shuyun Yang



Boyan Rong



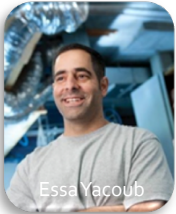
Michael Kahana



Radoslaw Cichy



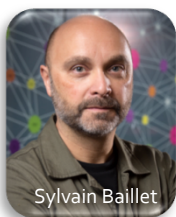
David Chalmers



Essa Yacoub



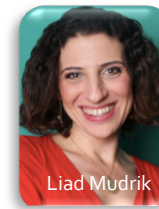
Melanie Boly



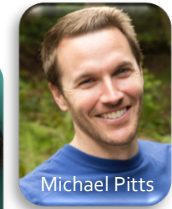
Sylvain Baillet



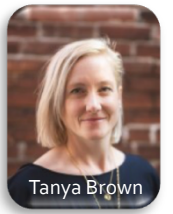
Francis Fallon



Liad Mudrik



Michael Pitts



Tanya Brown



Stan Dehaene



Christof Koch



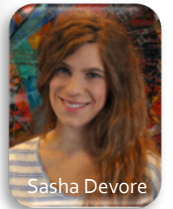
Giulio Tononi



Hal Blumenfeld



Morris de Lange



Sasha Devore



Ole Jensen



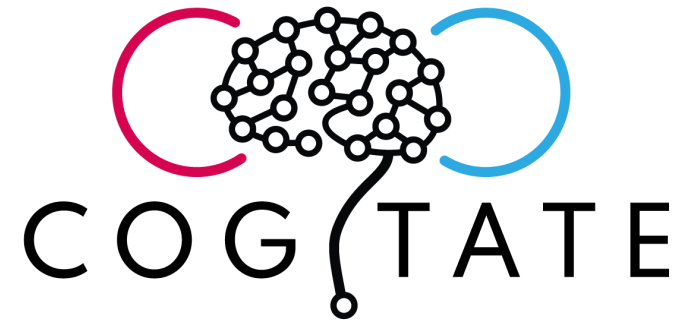
Gabriel Kreiman



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TEAM



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