

**Affiliations: Brain & Cognitive Sciences, MIT;
Biological Engineering, MIT; Psychiatry,
MGH/Harvard; Neuroendocrinology,
MGH/Harvard**

Lead investigator: John Gabrieli

**Current team: Ed Boyden, Elizabeth Hoge,
Elizabeth Lawson, Jasmin Cloutier, Joseph
Moran**

Objectives: Understanding variations across kinds of trust, cultures, & genders in the cognitive neuroscience of trust

**Cultural differences significantly modulate behaviors & brain responses when perceiving others
(i.e., individualistic (US/Europe) vs. collectivistic (Asia/Middle East) societies)**

Do cultural differences alter trust in the mind and brain?

Within a culture (in-group)?

Across cultures (out-groups)?

Kind of Trust – first impression (faces) vs. interactive trust games?

**Measures: Behavior, brain (fMRI), hormonal (oxytocin),
genetic (receptor polymorphism)**

Interdisciplinary team:

Trust and Brain Responses: John Gabrieli, Jasmin Cloutier, Joseph Moran (MIT)

Trust and Brain Oxytocin: Elizabeth Hoge & Elizabeth Lawson (MGH/Harvard)

Trust and Culture: John Gabrieli, Ed Boyden, Jasmin Cloutier, Joseph Moran (MIT)

Seeking additional capacities:

- 1) Identification of additional social variables and experimental manipulations leading to modification of trust responses**
- 2) Additional experimental designs leading to generalization of findings from current paradigms**
- 3) Further expertise on translational aspects of the proposed basic research**

Contact Information:

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