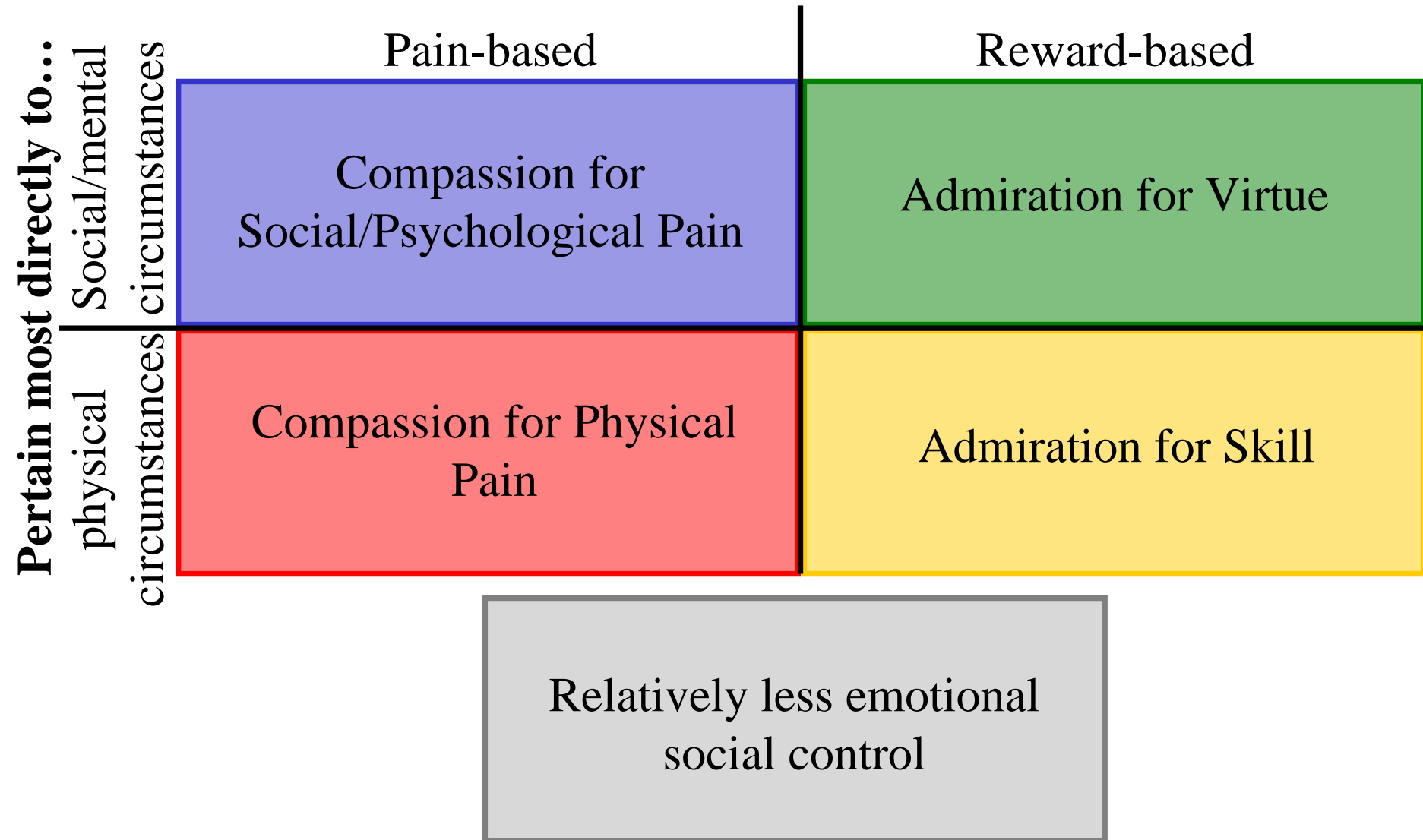


Figures from:

Immordino-Yang, McColl, Damasio & Damasio, *PNAS* (2009)

# Experiment Design for Immordino-Yang et al., *PNAS*, 2009



# EMOTION

# COGNITION

## Processes related to the body

Body sensations, actual or simulated, contribute to feelings, which can in turn influence thought.

Thoughts can trigger emotions, which play out in the mind and on the body.

## Emotional thought

The platform for learning, memory, decision-making, and creativity, both in social and non-social contexts.

Rational thought can inform emotional thought. This is the pathway of high-level social and moral emotions, ethics, and of motivated reasoning. Creativity can also be informed by high reason.

Ad hoc imposition of rational evidence on a decision formulated within “emotional thought.” Much of our moral decision-making happens via this route.

## High Reason/ Rational thought

Figure from:

Immordino-Yang & Damasio, *MBE*, 2007