

## **Animal Boredom, Emotion and Pain: Making a little sense of the science**

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### 1. Defining consciousness

- A) Sustained awareness of the environment in a way that is appropriate and meaningful
- B) Ability to follow commands and perform novel actions
- C) Ability to communicate (verbal or non-verbal) indicating awareness of ongoing interactions

### 2. Comparative anatomy of human to animal brains

- A) A step into the past- dinosaurs
- B) Evolution of brain based on oxygen levels in atmosphere

### 3. Feeling pain

- A) What we thought we knew about animals
- B) Where we're going--advances with fMRI and behavioral science
  - 1. Facial pain scoring in different species
  - 2. Animal personality and pain experiences

### 4. Theory of mind

- A) Examining method and concept
- B) Video – Self recognition
  - 1. Species with “mind”

### 5. Bestial boredom

- A) Boredom and why it exists
- B) Animal perceptions of boredom
- C) Detriment of boredom
  - 1. Stereotypic behaviors

### 6. Complex social behavior

- A) Animal emotion
- B) Animals in translation
  - 1. Competition (Power)
  - 2. Cooperation (Playing, learning)
  - 3. Compassion (Empathy)
    - a. “Morality” (?)
    - b. Consolation
  - 4. Reciprocity
  - 5. Reconciliation
- C) Enrichment

This lecture is supplemented heavily with video analysis and discussion of behaviors seen.