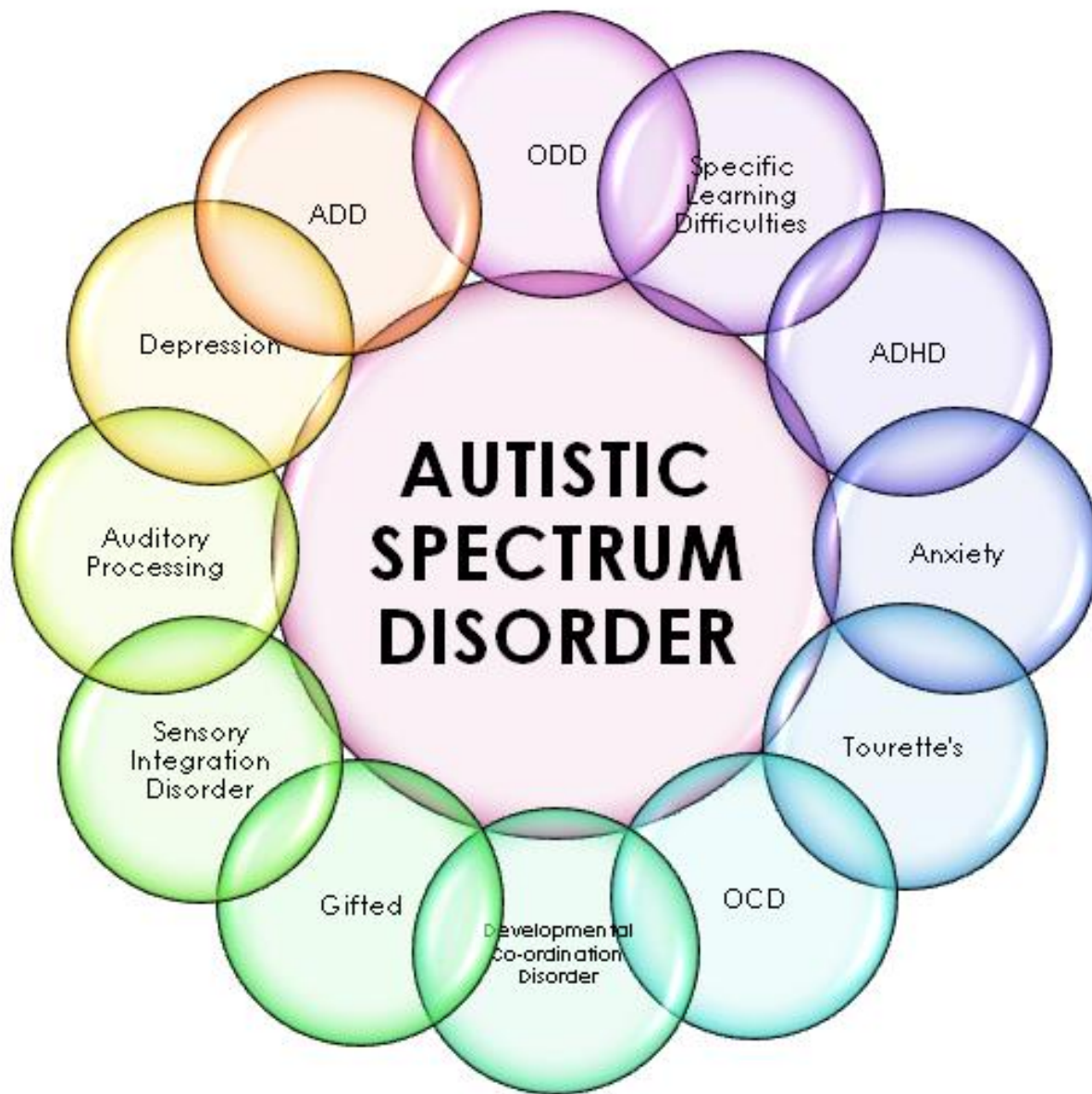
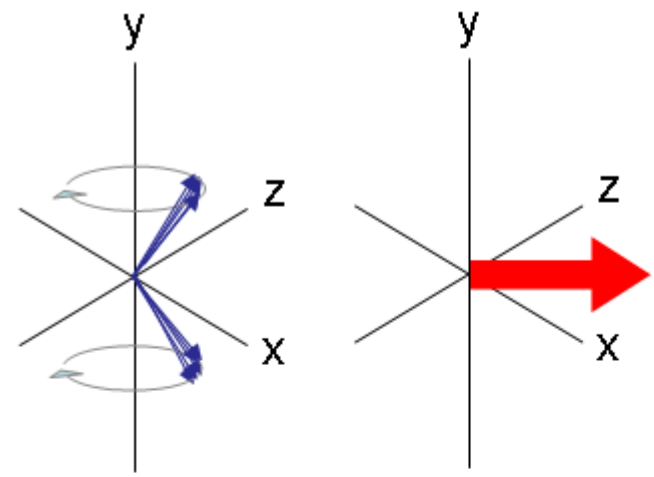
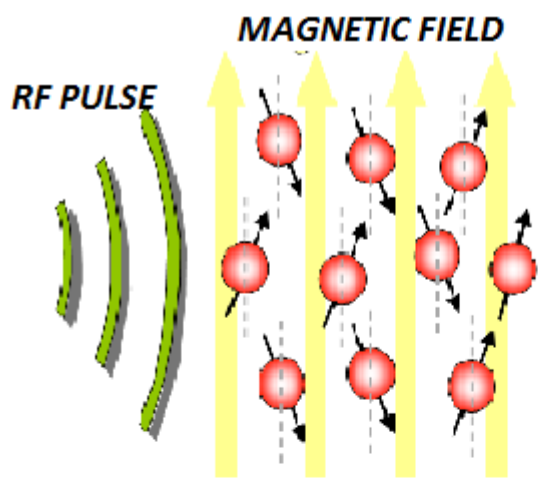


A set of small, light-colored navigation icons typically found in Beamer presentations, including symbols for back, forward, search, and refresh.

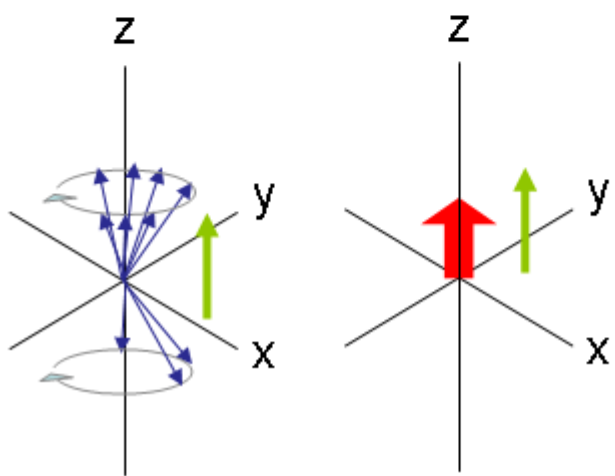
Asperger's syndrome (AS)

- ~0.1% American adults
- Neurodevelopment disorder within autism spectrum disorder (ASD)
- Mildest form of Autism
- Dr. Hans Asperger
- Males account for 70-80% affected
- No specific drug treatments

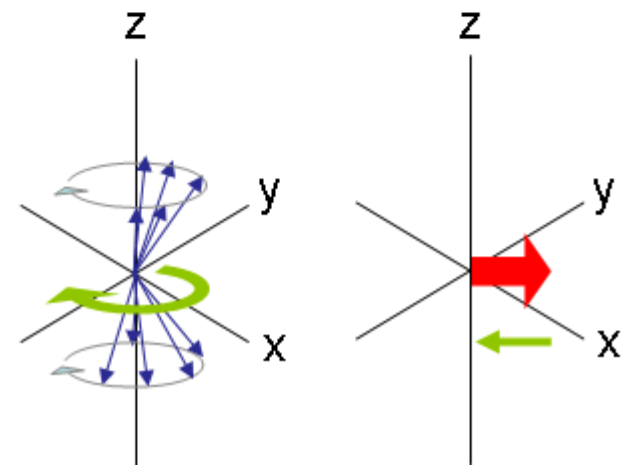




T_1 Relaxation



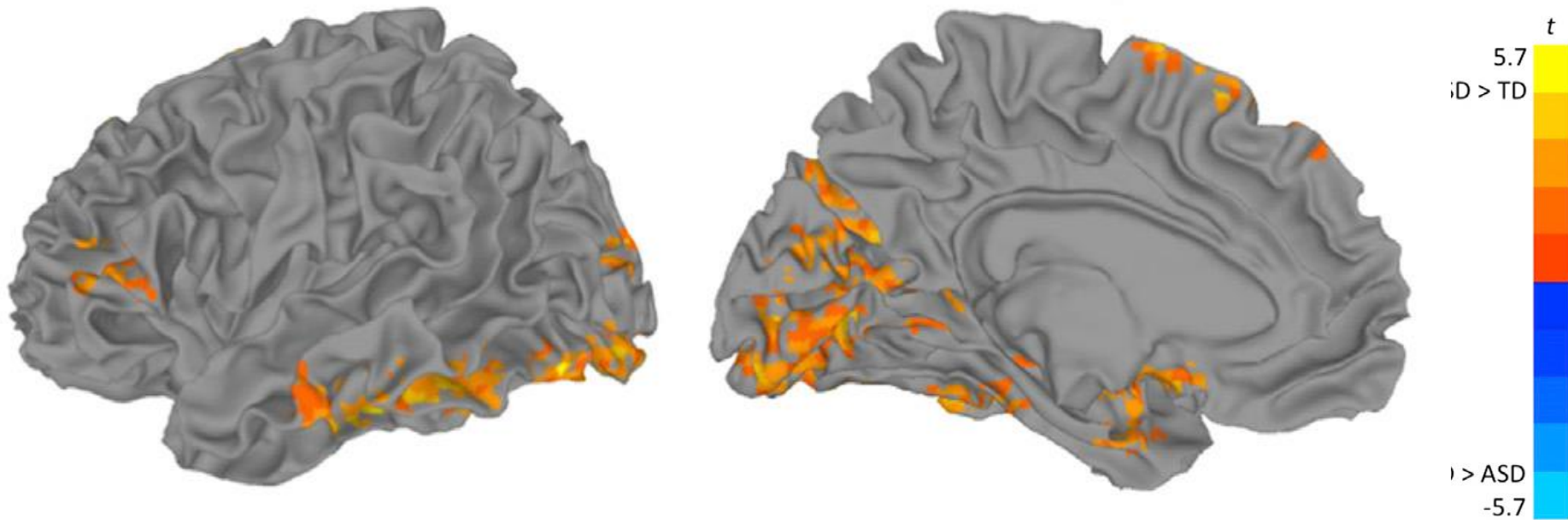
T_2 Relaxation





Resting state functional connectivity MRI (rs-fcMRI)

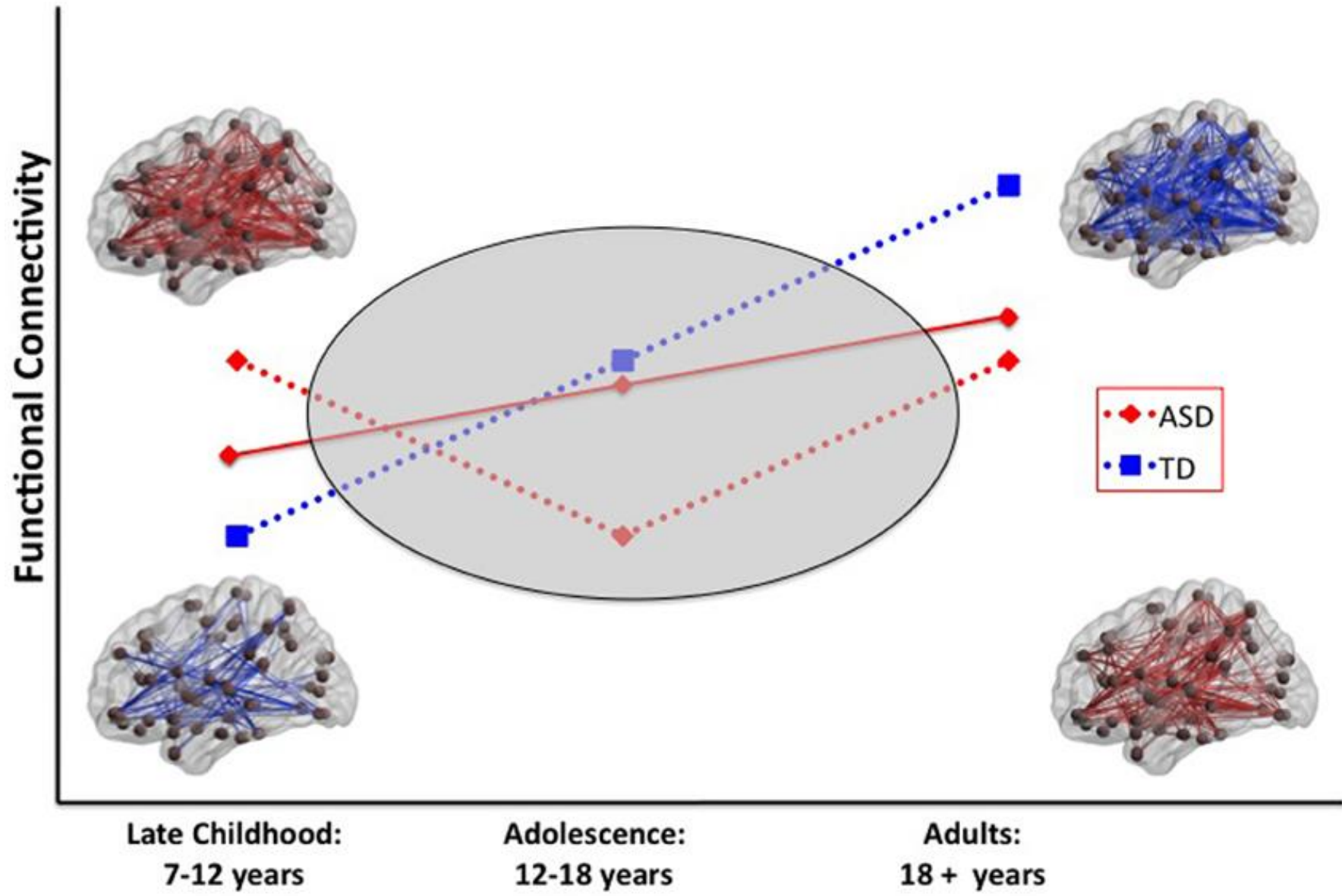
Correlates activity to create a connectivity map

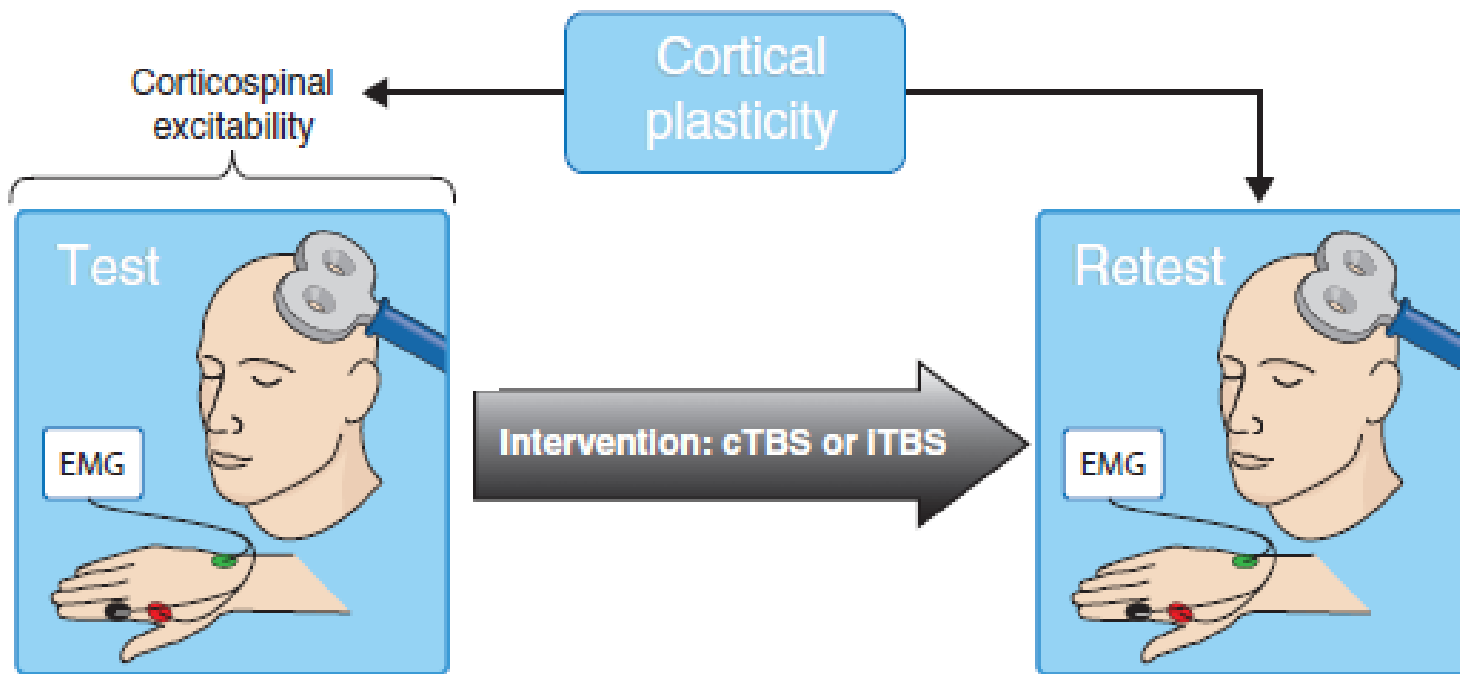




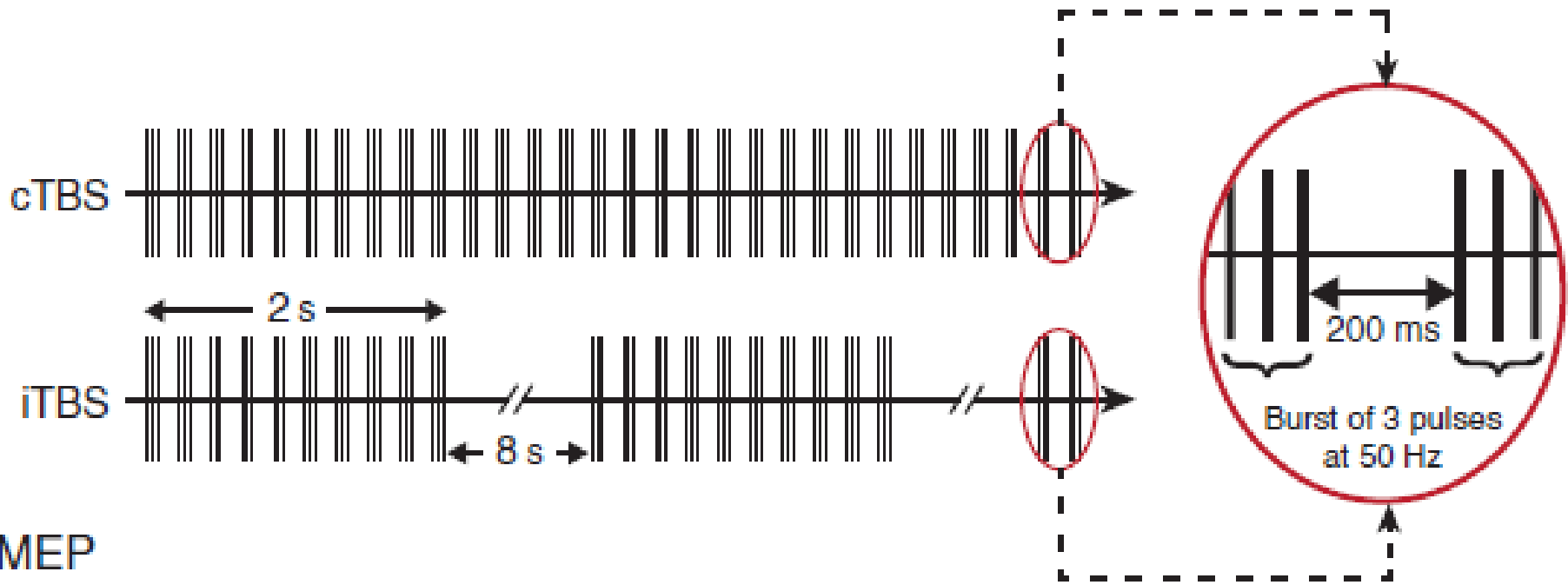
rs-fcMRI determines correlated brain activity

- A. By using proton NMR
- B. By employing T1 relaxation to determine activity
- C. By correlating both spatial and temporal activity
- D. All of the above
- E. By correlating spatial activity only



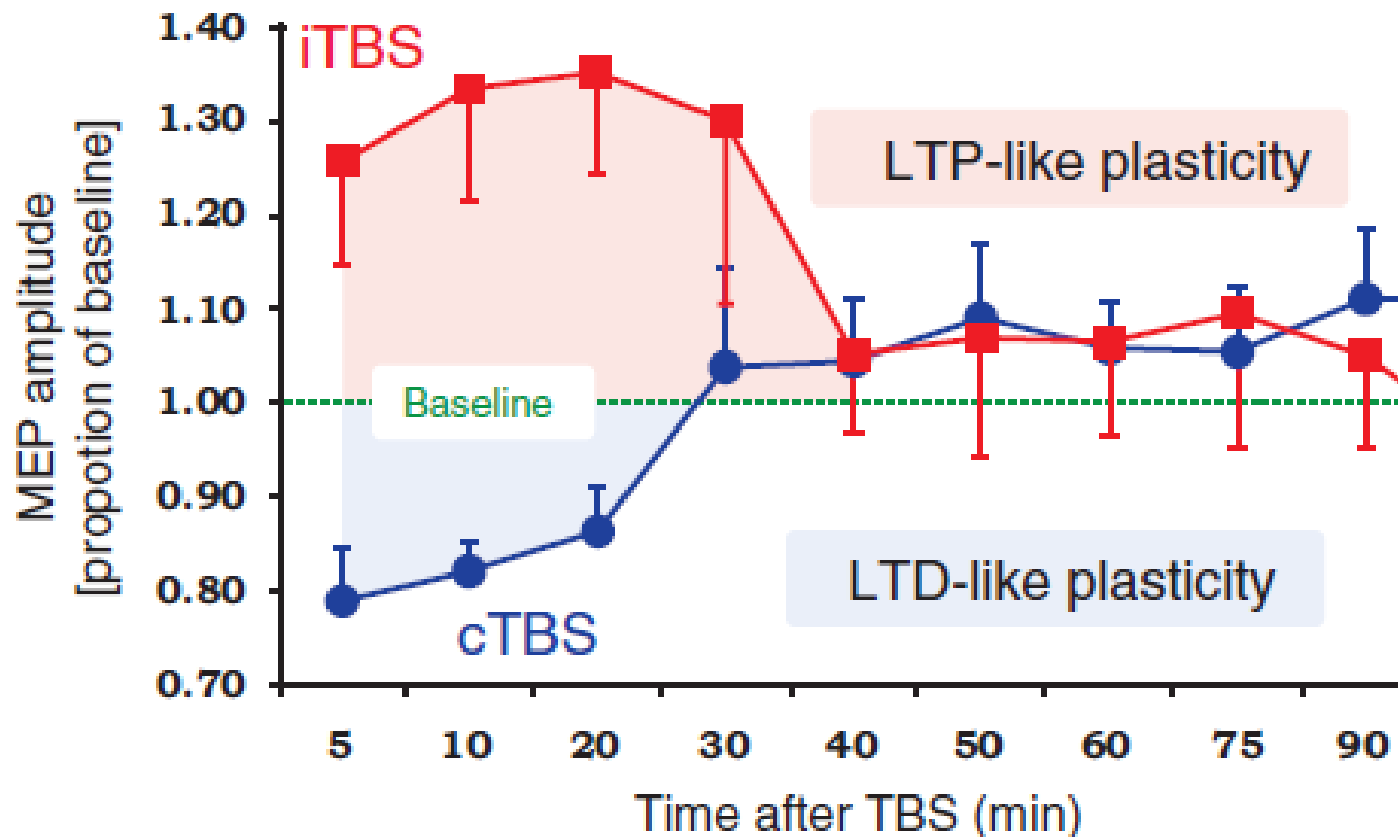


Motor evoked Potentials measured by EMG (electromyography)

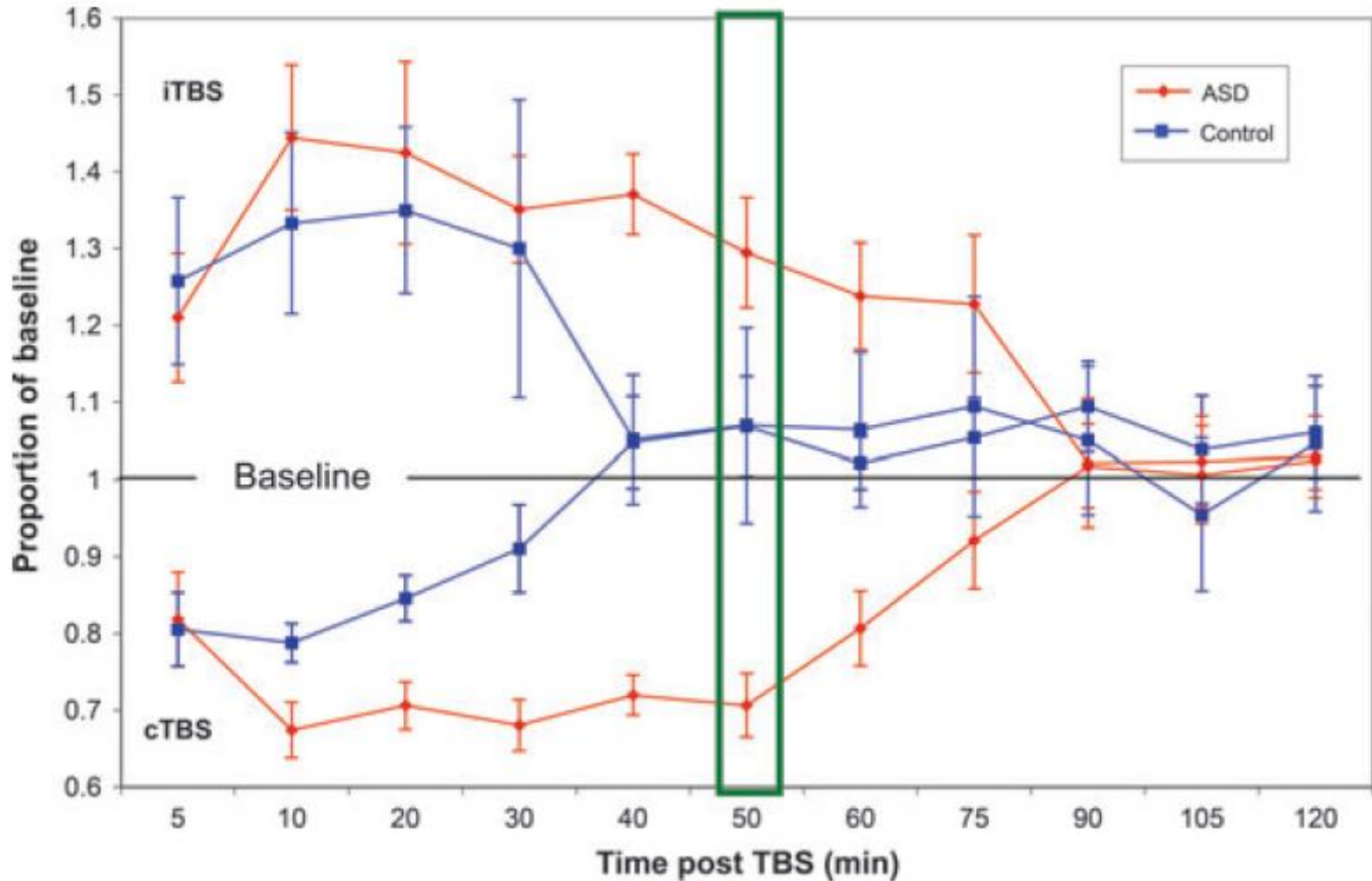


MEP

Team Workshop 1: From what you know about timescales of synaptic transmission list possible molecular activities that may be differentially affected between cTBS and iTBS

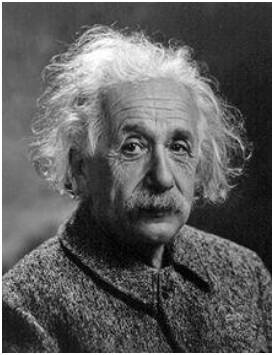


Team Workshop 2: Based on the molecular mechanisms from workshop 1 explain how iTBS gives rise to LTP and cTBS gives rise to LTD?

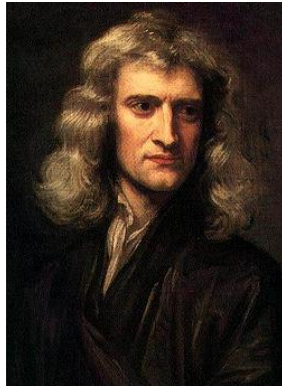


Team Workshop 3: Why would AS patients exhibit enhanced LTP and LTD and what would be the consequence of this?

1



2



3



4



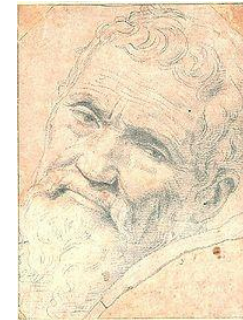
5



6



7



Team Workshop 4: Who are these people and what do they have in common.



Remember

- Before 12 PM of the next class day:
 - go to b.socrative.com/student/login and complete the quiz

Guest Lectures next week. Quizzes due as usual