

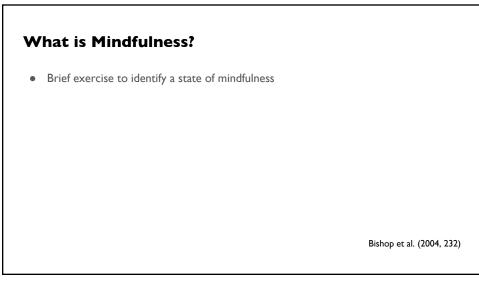
Outline
 What is Mindfulness Magnetic Resonance Imaging Bases, Mechanisms, Functional in cognitive tasks and at rest Functional Brain Connectivity
 Neural Networks involved in Mindfulness Neuroplastic effects of meditation on: Healthy Adults and Children
 Adolescents with a history of major depression Patients with schizophrenia and drug-resistant auditory hallucinations Neural Flocks and Neurophenomenology
 Isomorphism: Patterned Process and Consciousness Auditory Hallucinations and the Patterned Process Mental Mirror or the Consciousnesscope
 Towards a Neurophenomenology research program

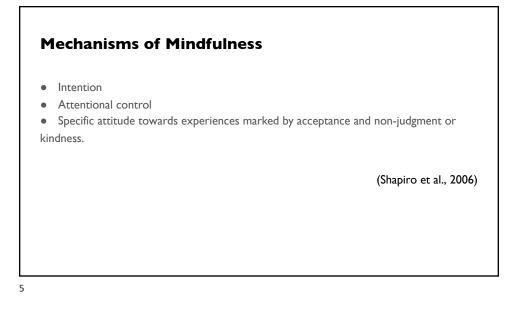
What is Mindfulness?

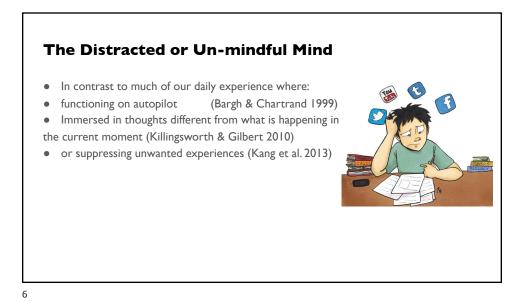
- It is the ability to consciously pay attention to the present moment.
- It involves observing our thoughts, emotions, bodily sensations, and environment with acceptance and without judgment.
- It allows us to distance ourselves from automatic thought patterns and respond with greater awareness.
- It promotes calm, mental clarity, self-awareness, and emotional well-being.

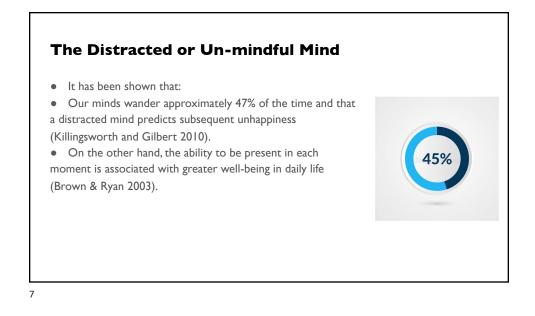
Bishop et al. (2004, 232)

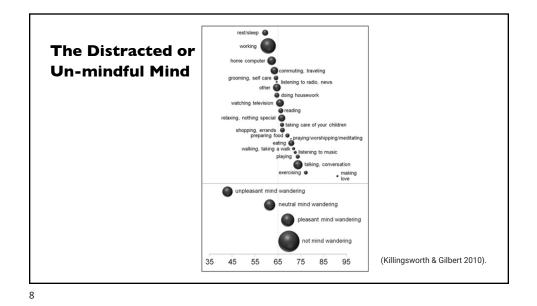
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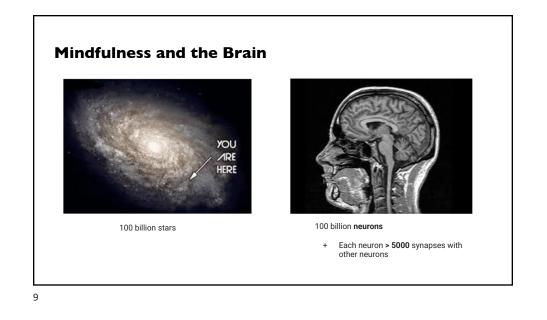


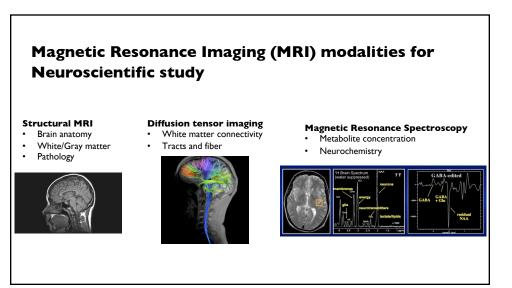


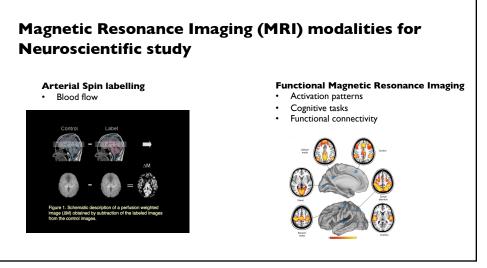


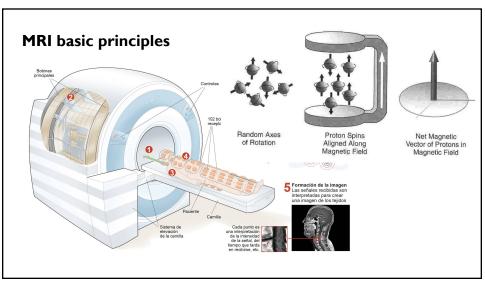


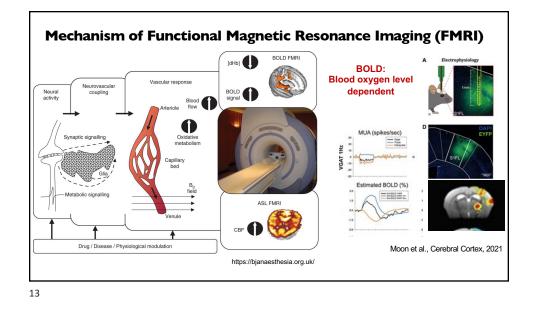


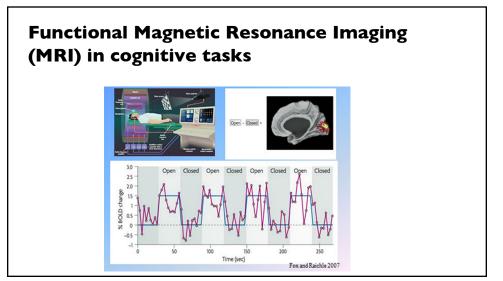


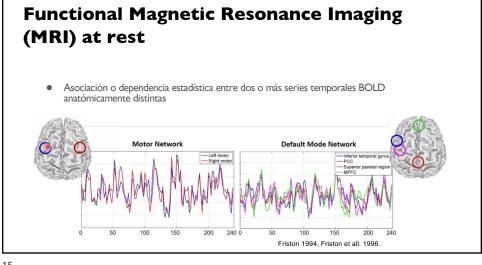




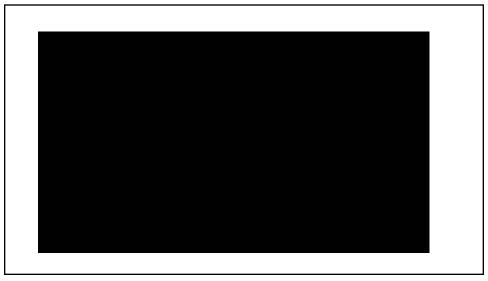


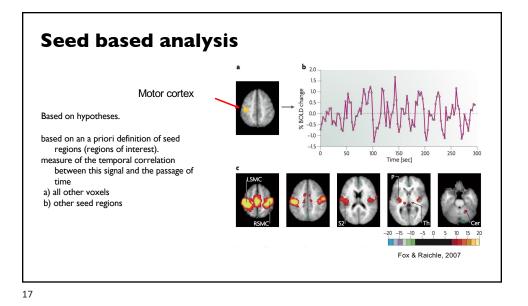


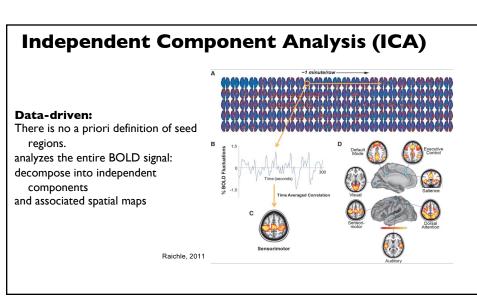


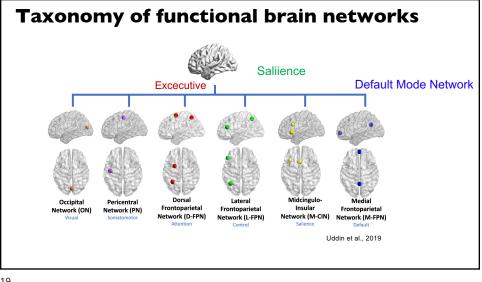


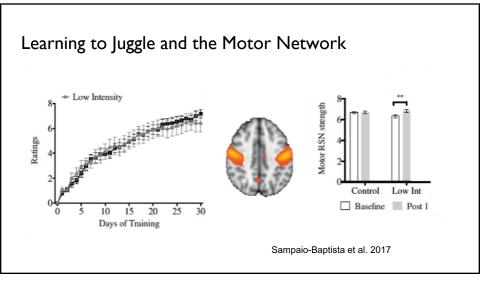


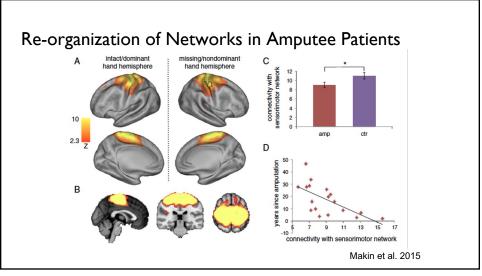


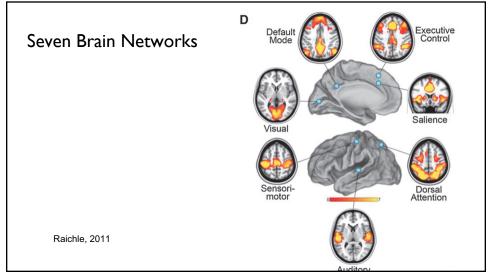


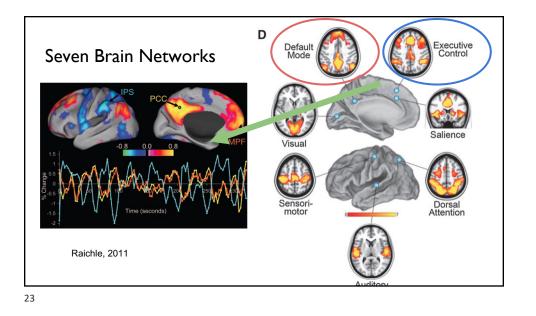


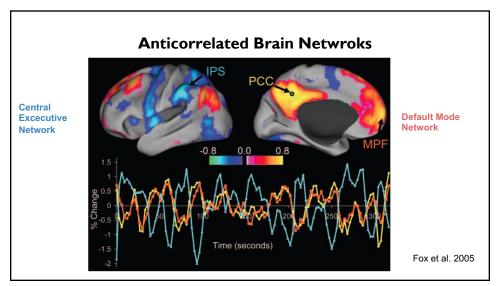












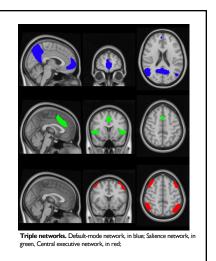
Brain networks involved in Mindfulness

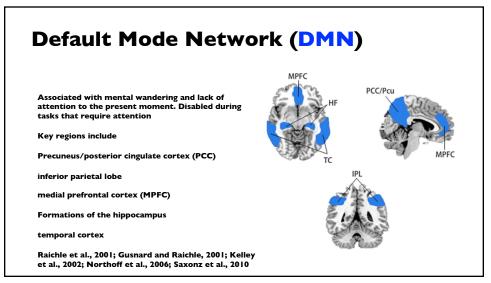
Triple network model

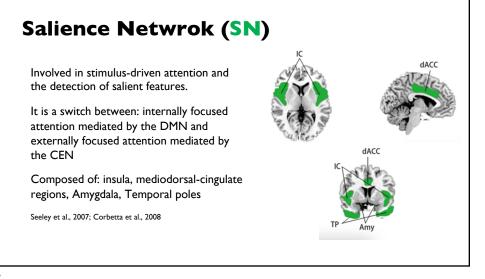
Consists in:

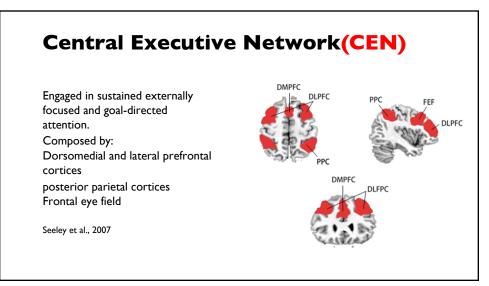
- Default Mode Network (DMN)
- Salient Feature Network (SN)
- Central Executive Network (CEN)

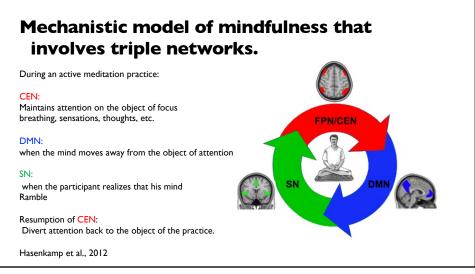
Fox et al., 2005, Buckner et al., 2008, Christoff et al., 2009, Menón et al. 2011, Hellyer et al., 2014.

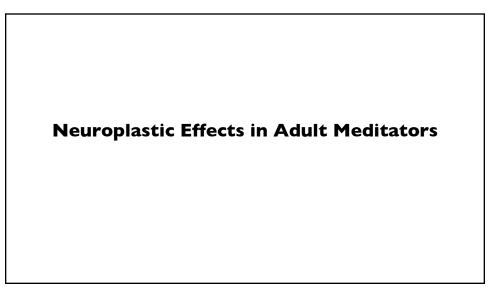


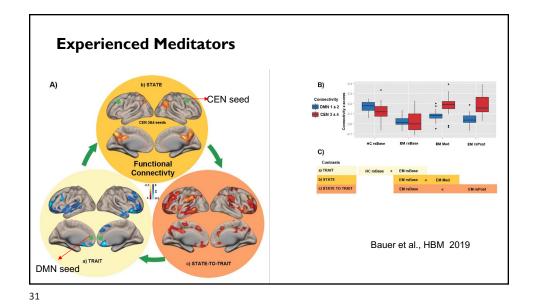


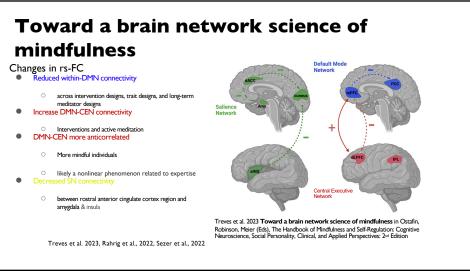


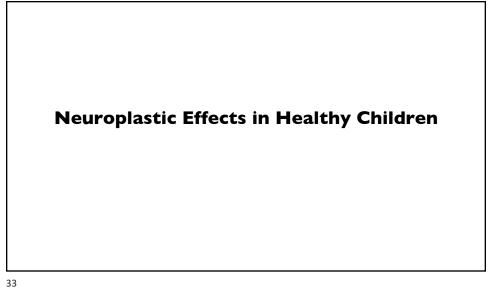




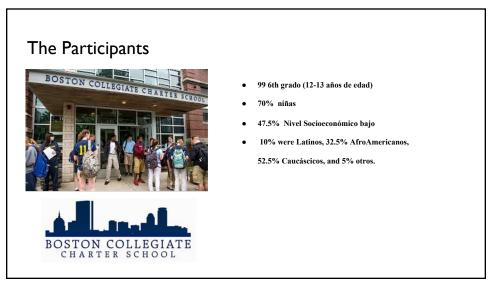


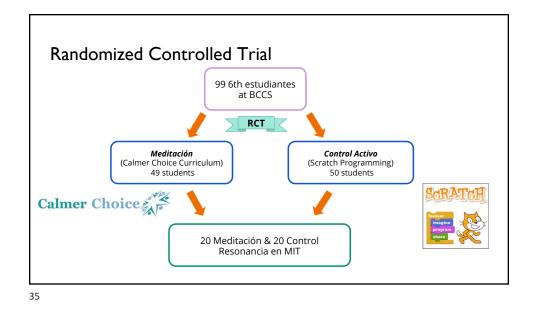


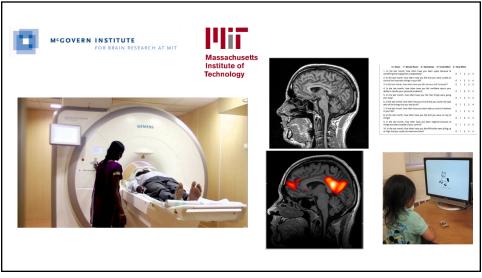




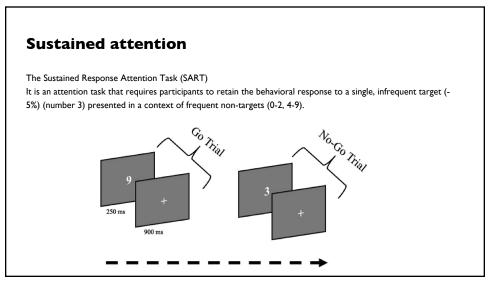


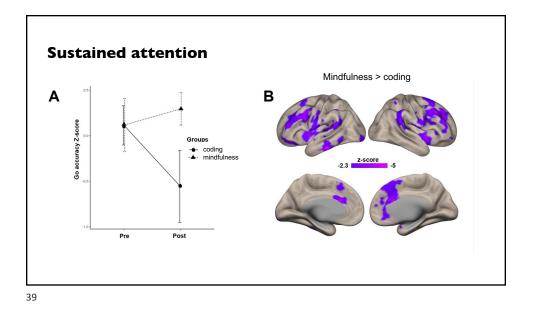


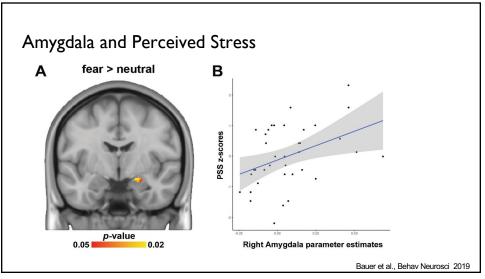




ved Stress Scale	•					
Tabla 1. EEP-10 y calificación.						
Durante el ultimo mes:	Nunca	Casi nunca	De vez en cuando	A menudo	Muy a menudo	
 ¿Con qué frecuencia ha estado afectado por algo que ha ocurrido inesperadamente? 	0	1	2	3	4	
 ¿Con qué frecuencia se ha sentido incapaz de controlar las cosas importantes en su vida? 	0	1	2	3	4	
¿Con qué frecuencia se ha sentido nervioso o estresado?	0	1	2	3	4	
4. ¿Con qué frecuencia ha estado seguro sobre su capacidad para manejar sus problemas personales?	4	3	2	1	0	
5. ¿Con qué frecuencia ha sentido que las cosas le van bien?	4	3	2	1	0	
6. ¿Con qué frecuencia ha sentido que no podía afrontar todas las cosas que tenía que hacer?	0	1	2	3	4	
 ¿Con qué frecuencia ha podido controlar las dificultades de su vida? 	4	3	2	1	0	
 ¿Con qué frecuencia se ha sentido que tenía todo bajo control? 	4	3	2	1	0	
9. ¿Con qué frecuencia ha estado enfadado porque las cosas que le han ocurrido estaban fuera de su control?		1	2	3	4	
 10, ¿Con qué frecuencia ha sentido que las dificultades se acumulan tanto que no puede superarlas? 		1	2	3	4	

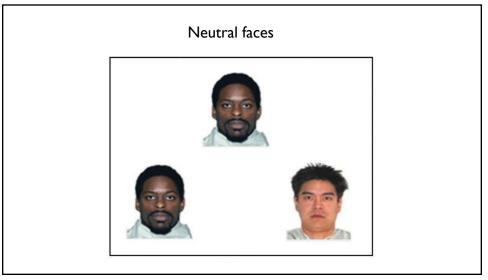


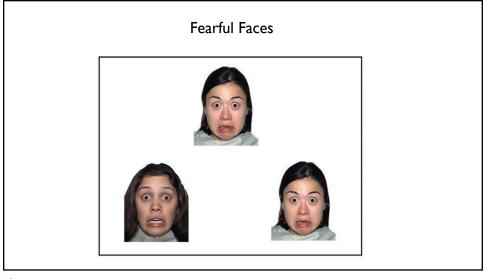


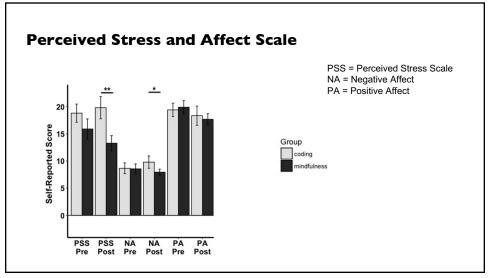


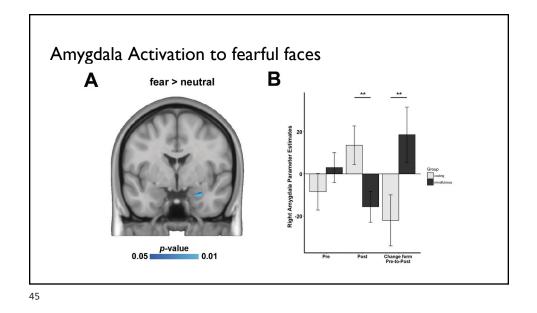
Emotional Regulation

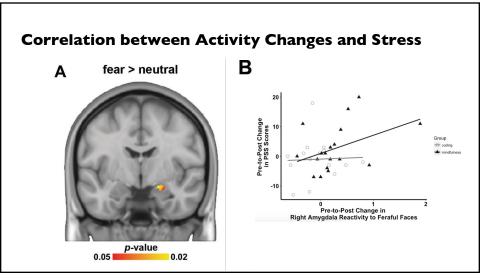
- Simple perceptual task
- Participants see three images on the screen and are asked to select which of the two images in the bottom row is identical to the top image.

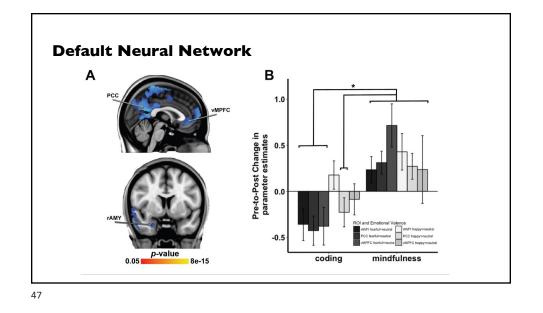


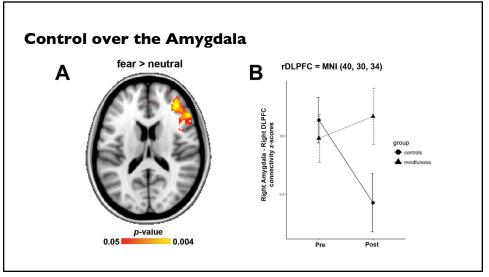


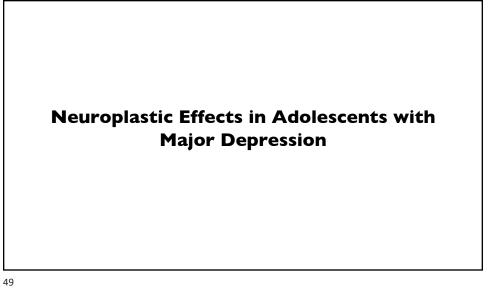


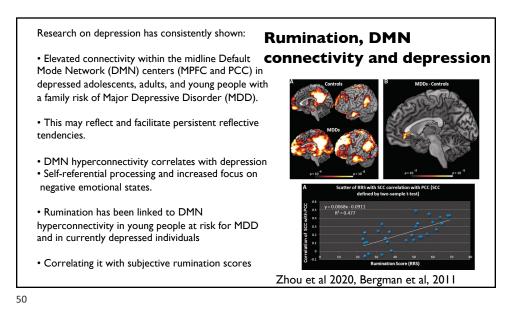


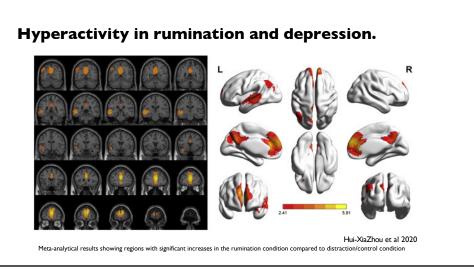


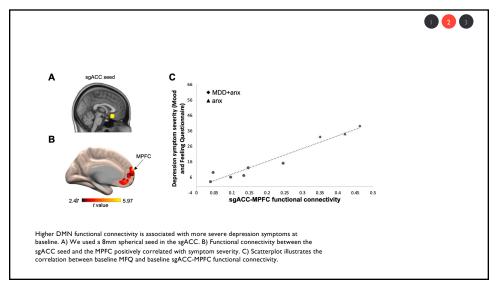




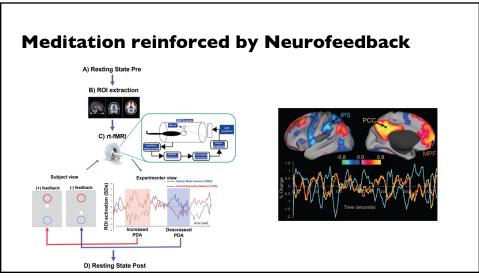


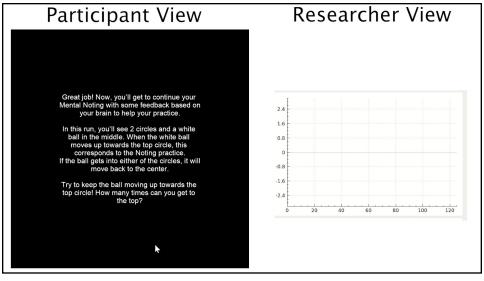


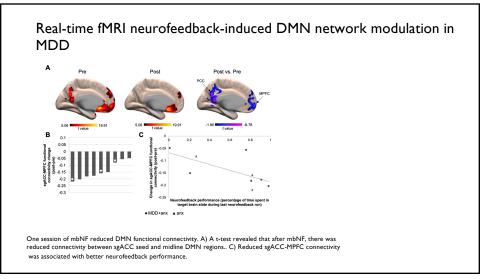














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