

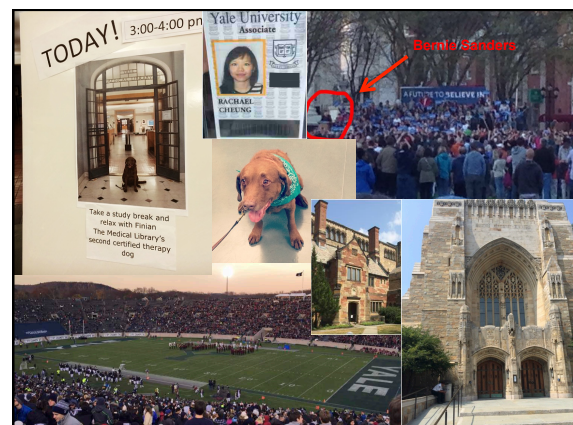
A Junior Doctor's Perspective on Neuroscience and Psychiatry

Neuroscience Implementation Group
Dr Rachael W Cheung

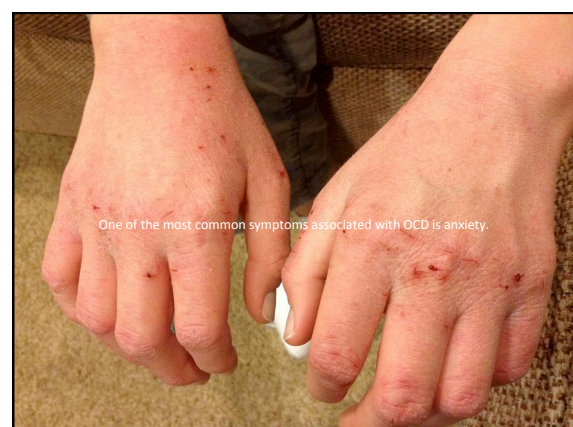
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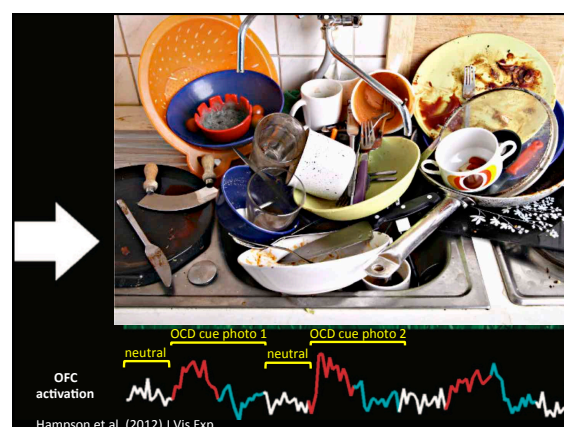
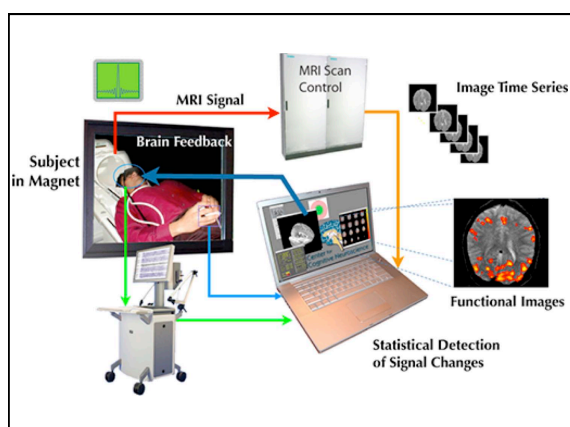
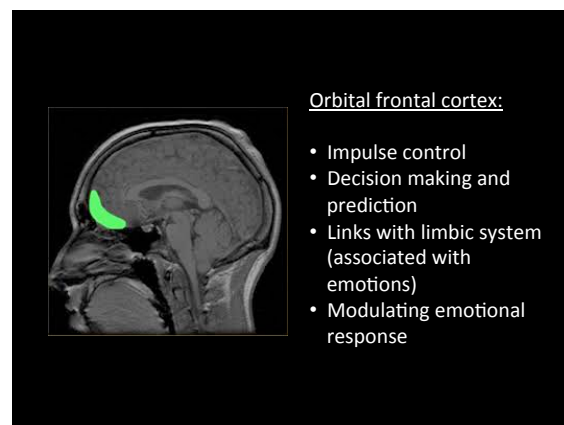
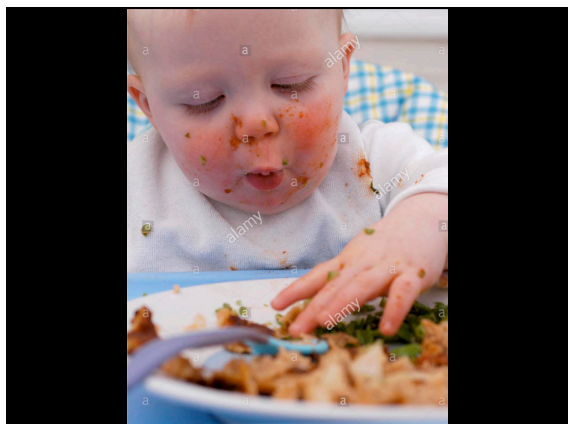
Graduated Medicine MBChB 2012	
Foundation Years 2012 – 2014	
Neuroscience and Psychology Research Masters 2014 – 2016	
CT1 Psychiatry 2016 – 2017	
Upcoming PhD 2017	

What benefits are there to doing research as a medic (local or going abroad)?



A Brief Example:
How can research help us understand Obsessive Compulsive Disorder?





This technique is called neurofeedback, and is now being developed as a possible tactic for reducing the symptoms of not only OCD sufferers, but also post-traumatic stress disorder in veterans and tic disorders.

(see: Hampson, M., et al (2012) J Vis Exp; Gerin, MI et al. (2016) Front Psychiatry; Rance, M. et al (in press) Neuroimage)

Some questions to consider

- Why research is so important in any medical career?
- Why is it such an exciting time to be in psychiatry at the moment?

- Where does our knowledge as clinicians come from?
 - Patient case studies
 - Research!
- Mental health is currently a rising priority
- Modern advances in technology – infrared spectroscopy, advances in MRI, hugely powerful computers
- You can be flexible and use what you've learnt to apply it to your clinical practice