Week 4: Brain mappiing

Lasers and Carbon Nanotubes Help Look at Blood Flowing Through Living Brain

<http://www.azonano.com/news.aspx?newsID=30819>

brain cell growth

<http://www.eurekalert.org/pub_releases/2014-08/dci-sum080814.php>

Canada’s brain research fund

<http://pm.gc.ca/eng/news/2014/05/01/five-new-projects-announced-through-canada-brain-research-fund>

Brain in a dish (n/r in Week 5 links)

<http://www.nytimes.com/2014/08/12/health/scientists-create-3d-model-that-mimics-brain-function.html?emc=eta1>

MRI and infant brain growth

http://www.eurekalert.org/pub\_releases/2014-08/uoc--nsm080714.php

Allen institute article in G&M

<http://www.theglobeandmail.com/life/health-and-fitness/health/how-canadian-researchers-have-gained-greater-insight-into-human-nature/article19273969/?page=all>

**May 24 - 27, 2015, Vancouver**  
2015 Canadian Neuroscience Meeting - More details will be posted soon!

Cdn. Assn. for Neuroscience

http://can-acn.org/

fMRI UBC & Alan Bates

<http://www.alantbates.com/fMRI/UBC_fMRI.html>

Pasco Phronesis neuroscience applications & US Bioethics Commission

<http://pascophronesis.wordpress.com/2014/08/13/next-bioethics-commission-meeting-exlpores-applications-of-neuroscience/>

Lasers and brain mapping (psychiatric disorders)

<http://www.eurekalert.org/pub_releases/2014-08/nion-sul081114.php>

MRR (magnetic resonance relaxometry) magnets & diagnosing malaria

<http://www.sciencedaily.com/releases/2014/08/140831150339.htm>

MRI & imagination

<http://www.sciencedaily.com/releases/2014/08/140828110935.htm>

Altering memory (Xenon & PTSD; emotional associations & memories)

<http://www.eurekalert.org/pub_releases/2014-08/mh-xes082214.php>

<http://www.eurekalert.org/pub_releases/2014-08/hhmi-rct082714.php>

Honesty vs lying (fMRI?)

<http://www.eurekalert.org/pub_releases/2014-09/vt-sfp090214.php>

Xenon gas reduces brain damage (mice)

<http://www.eurekalert.org/pub_releases/2014-09/icl-xgp090914.php>

Brain structure as a predictor of risky behaviour

<http://www.eurekalert.org/pub_releases/2014-09/yu-bsc090914.php>

http://www.eurekalert.org/pub\_releases/2014-09/uos-gmm091114.php

Alzheimer’s and enhanced brain plasticity (Alzheimers, Tel Aviv)

<http://www.eurekalert.org/pub_releases/2014-09/afot-nmt090914.php>

Alzheimer’s & proteins (why some folks with platelest dement & others don’t)

<http://www.eurekalert.org/pub_releases/2014-09/uoc--rfn091114.php>

How brain corrects for errors (mice)

<http://www.sciencedaily.com/releases/2014/09/140910120539.htm>

York University research (brain, taking aim, athletes)

<http://www.sciencedaily.com/releases/2014/09/140910190209.htm>

Neuroimaging technique (new PET)

<http://www.eurekalert.org/pub_releases/2014-09/tmsh-nti091614.php>

Brain paper withdrawn (fMRI & cognitive stuff)

<http://www.the-scientist.com/?articles.view/articleNo/40933/title/Brain-Genetics-Paper-Retracted/>

Brain mapping with light

<http://www.eurekalert.org/pub_releases/2014-09/ciot-sna091814.php>

A dose of antidepressant changes brain (mapping)

<http://www.eurekalert.org/pub_releases/2014-09/cp-sdo091114.php>

MRI at radiologyinfo.org

<http://www.radiologyinfo.org/en/safety/index.cfm?pg=sfty_mr>

Inside story MRI

<http://www.insidestory.iop.org/mri.html>

2003 Nobels & MRI

<http://www.economist.com/node/2246166>

<http://www.thelancet.com/journals/lancet/article/PIIS0140-6736%2803%2915182-3/fulltext>

6 cool things people have done inside MRIs

<http://www.theatlantic.com/health/archive/2012/04/6-cool-things-people-have-done-inside-mri-scanners/256416/>

Dalai Lama & neuro

<http://www.shambhalasun.com/index.php?option=content&task=view&id=1611>

Controversial science of brain imaging (Sci American)

<http://blogs.scientificamerican.com/guest-blog/2012/07/05/controversial-science-of-brain-imaging/>

ASAP Science: 7 myths about the brain

<http://www.youtube.com/watch?v=DfgkAJmp9-A>

Brain structures & their functions

<http://serendip.brynmawr.edu/bb/kinser/Structure1.html>

Wikipedia: Brain

<http://en.wikipedia.org/wiki/Human_brain>

fMRI definition

<http://psychcentral.com/lib/what-is-functional-magnetic-resonance-imaging-fmri/0001056>

http://en.wikipedia.org/wiki/Functional\_magnetic\_resonance\_imaging

UBC neuronal ethics

http://neuroethics.med.ubc.ca/

EEGs & brains

<http://www.sciencedaily.com/releases/2014/09/140924084847.htm>

Using brain scans as evidence of guilt (e.g. Indian court case)

http://io9.com/5065285/the-next-witness-for-the-prosecution-could-be-your-brain

MRI & knee

http://www.eurekalert.org/pub\_releases/2014-09/uov-dsm092314.php

brain-to-brain instant messaging (Welland on blog; week 6?)

<http://www.fastcoexist.com/3035575/will-brain-to-brain-instant-messaging-eventually-replace-phones?partner=rss>

Montreal neuro & the human brain project

http://www.frogheart.ca/?p=9094

## SFU (Perceptual Visualization of High-Dimensional Medical Images project)

http://perceptvis.cs.sfu.ca/Welcome.html