



Acquisitions:

Resources:

Structural and functional measures of brain function and changes in addiction, primarily to cocaine

SPM, MRICron, Talairach Daemon, Neuroscan, EEGlab, LORETA, FieldTrip, 1000 Functional Connectomes Project...

fMRI
PET
ERP

Behavioral, Interview, Questionnaire measures,...

Correlation Studies
Bridging brain-behavior

ASI, SCID, MPQ, CSSA, CQ, SOGS, SMAST, AWK, e-Prime, MATLAB, Presentation, python, STIM, VBA...

Collaborative development work in computer science, bioengineering, neuropsychology,...

Nonexperimental Studies;
Behavioral-Assay Development
Validating theories / screening new ideas

Executive function, memory, motor control,...

Neuropsychological Testing
Non-invasively assessing cognition, affect and personality

CVLT, WCST, ANT, IGT, pegboard, tapping, gait, matrices, mazes, fluencies,...

Data sharing and discovery:

Open-source tools greatly simplify and enrich internal data mining (e.g. AWK, python)

Substantial reliance on computer programming for task development and analyses makes vendor- and search-engine-provided knowledgebases essential

Imaging community has been a great model for development and encouragement of data discovery and analysis tools (e.g. SPM, MRICron, EEGLab)

Local workflow developments:

Main Switchboard
C:\Documents and Settings\tmaloney.BNL\Desktop\328access.mdb
This version current from 6/28/2010
tmaloney logged on since 19:27
Mon 07/05/2010
Click here to email Tom problems etc.

Neuropsychomaging 100616
Recruitment/Screening-WARNING- PHI displayed

Subject Lookup / Find a Case
Enter the beginning of a CRC number of subject ID to look for someone's base (screening) record
enter a CRCNumber or subject ID to lookup: po

polrob	Male	<input checked="" type="checkbox"/> SDI: 996	screen	encounter
porros	Female	<input type="checkbox"/> SDI: 1398	screen	encounter

subject encounters

Encounter records for this subject (newest to oldest):

CRCID	encounter date	CRCdateKey	Notes about this encounter	
0934	8/29/2007	0934_08_2007	brief physical review	3378
0934	8/29/2007	0934_08_2007	neuropsych testing	546
0934	10/24/2006	0934_10_2006	CRF reviewed	1248
0934	8/15/2006	0934_08_2006	(re) consent	16294
0934	8/15/2006	0934_08_2006	brief physical review	601
0934	8/15/2006	0934_08_2006	neuropsych testing	3382
0934	8/15/2006	0934_08_2006	FMRI money task	3479
0934	5/4/2006	0934_05_2006	physical review	724
0934	5/4/2006	0934_05_2006	neuropsych testing	3686
0934	6/23/2005	0934_06_2005	full physical exam	3687
0934	6/23/2005	0934_06_2005	neuropsych testing	3689
0934	6/23/2005	0934_06_2005	daily note	722
0934	3/17/2005	0934_03_2005	brief physical review	723
0934	3/17/2005	0934_03_2005	FMRI color word	

MRReview v0.9.4 (MRreview.exe)
Created 2010 in VB6 by Tom Maloney
userID: tmaloney

'091 [redacted]/2008' (not found) at study was a 55 6 year old black male
Urine drug screen: negative
Height 71in. Weight 208lbs. BP: 146 / 88

Image views available:
[redacted]_hyp5.fid.v1_100.fhd
[redacted]_m32h.fid.v1_100.fhd

neuro review date etc:
Comments about the MR scans for this vNumber:
Image Quality Issues:
Background [redacted] 0.9766 [redacted] 19.0430 [redacted] Grayscale

0x0x= 1.00000

Collaborative analyses benefit from re-use of networked data

Relational database management allows flexible capture and focused retrievals for translational datasets

Obstacles to data and resource sharing:

Data lock-in: Too much *How* limits how much *What*

Excellent pipelines of information relevant for imaging analyses of addiction are available.

Often, the pipelines turn out to be like fire hoses.

Interoperability/data exchange and programming within data management packages often requires substantial additional investments in controlling interfaces rather than using data.