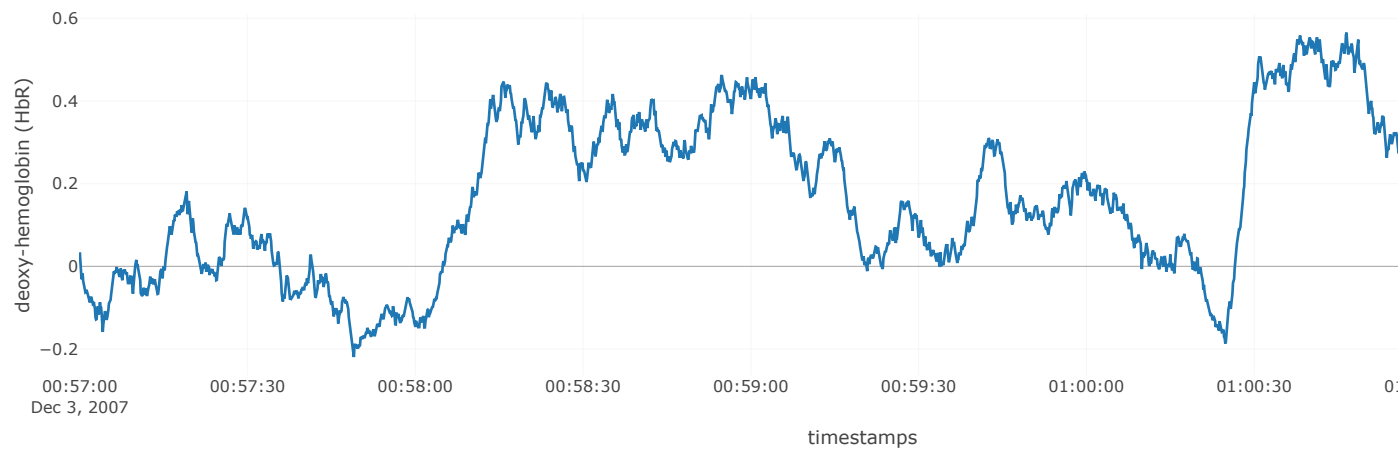# Storing and Managing Data

Module 06-32245 Semester project

Individual plotting of the time course of light raw intensity at some wavelength, HbO2 or HbR for some channel.

Line Plot of single channel deoxy-hemoglobin (HbR) data for VM0001

A listing of experiments in the database accompanied by the list of factors and treatments given

experiment	factor	treatment
VM0001_Moto_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0001_Moto_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0001_Rest_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0001_Rest_HBA_Probe1_Deoxy	Motor Stimulus	False
VM0001_ViMo_HBA_Probe1_Deoxy	Visual Stimulus	True
VM0001_ViMo_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0001_Viso_HBA_Probe1_Deoxy	Visual Stimulus	True
VM0001_Viso_HBA_Probe1_Deoxy	Motor Stimulus	False
VM0002_Moto_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0002_Moto_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0002_Rest_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0002_Rest_HBA_Probe1_Deoxy	Motor Stimulus	False

For a certain experiment choose at run time, retrieve the groups and the list of experimental units.

Pre-autism	× ▼

group
Normal
Stressed

ExperimentalUnit
Autism0001
Autism0002
Autism0003
Autism0004
Autism0005
Autism0006
Autism0007
Autism0008
Autism0009
Autism0010

Given an individual observation whether of light raw intensity at some wavelength, HbO2 or HbR retrive all available metadata

metadata for deoxy-hemoglobin (HbR) data for VM0001

Key	value
AnalyzeMode	Continuous
Pre Time[s]	10
Post Time[s]	10
Recovery Time[s]	5
Base Time[s]	25
Date	03/12/2007 00:57:00
Mode	Continuous
Wave[nm]	695,830
Sampling Period[s]	0.1
StimType	STIM
Stim Time[s]	[object Object]
Repeat Count	5