

# AGENDA

## 2007 BIRN All Hands Meeting

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MONDAY, OCTOBER 15

8:00 am – 9:00 am

**REGISTRATION**

- Meeting place: Natcher Conference Center, In front of the Auditorium
- Target audience: All participants

8:30 am – 5:00 pm

Monday

**MOUSE BIRN GENERAL WORKING GROUP MEETINGS**

- Meeting place: Natcher Conference Center, Room A
- General Working Group Meeting – All Mouse BIRN Participants (8:30 AM – 10:30 AM)
- Topics
  - Target audience: Mouse BIRN participants
  - Moderators: Arthur Toga, Jyl Boline
  - Suggested Advance Preparation – Review report from Mouse BIRN renewal grant, review of milestones from last year's AHM, minutes from VTC meetings. Plans are to review current status, outline priorities for next year, and determine responsibilities.
  - Discussion topics:
    - MBAT Progress: All Mouse BIRN together in room A (8:30-10:30)  
Review progress since last year's release.
    - Programmers Working Session – Room F1/F2 (10:30-4:45)  
This will be a working session where the programmers will take the opportunity to work together on solutions to existing programming issues
    - Mouse BIRN Planning Working Session – Room A (10:30-4:45)  
This will be a session to lay out plans for the next 6-12 months for Mouse BIRN
    - Deliverables: All Mouse BIRN together in room A (4:45-5:00)
      - Progress in collaborative programming deliverables
      - Identification of specific milestones and schedules for key deliverables for next year

8:30 am – 5:00 pm

Monday

### FUNCTION BIRN GENERAL WORKING GROUP MEETINGS

- Meeting place: Natcher Conference Center, Main Auditorium
- General Working Group Meeting – All Function BIRN Participants (8:30 AM – 5:30 PM)
- Topics – Progress and plans for Years 3-5
  - Target audience: Function BIRN working group members
  - Moderators: Steven Potkin, Jessica Turner, WG Chairs
  - Suggested Advance Preparation – Function BIRN Year 2 progress report, review of milestones from last year's AHM, Wiki pages
  - Neuroinformatics Working Group, Room B (1:00 PM – 5:00 PM)
- Deliverables
  - Identification of specific milestones and schedules for key deliverables for next year

8:30 am – 5:00 pm

Monday

### MORPHOMETRY BIRN GENERAL WORKING GROUP MEETINGS

- Meeting place: Natcher Conference Center (See below for meeting rooms)
- Being organized by Morphometry BIRN
- Topics – Progress Updates, Databases, Workflows, Image Analysis, DTI
  - Target audience: Morphometry BIRN working group members
  - Moderators: Bruce Rosen, Karl Helmer
  - Suggested Advance Preparation – Morphometry BIRN renewal grant, review of milestones from last year's AHM, minutes from meetings
    - Progress Updates – Room F1/F2 (8:30 AM – 10:30 AM)  
In this session we will have a short overview from each site on their mBIRN work over the past six months. New collaborations will be highlighted. Common directions and broad areas for the future will be discussed.
    - Database Working Group – Room G1 (10:30 – 5:00 PM)  
Topics discussed by this group include: plans for interacting with clinical collaborators, upload of large data sets, XNAT instantiation issues, XNAT/HID common XML schema and web services.
    - Workflow Working group – Room C1 (10:30 – 5:00 PM)  
Topics to be discussed include: porting the gradient unwarping workflow from the MGH portal mockup to the SRB and the determination of a queue for future workflows.
    - Image Analysis Working Group – Room C2 (10:30 – 5:00 PM)  
Topics to be discussed include: further work on the Query Atlas to be included in

- 3D-Slicer, progress on the Fallon Atlas, FreeSurfer/3D Slicer interoperability, processing issues for diffusion tensor imaging.
- DTI Working Group – Room G2 (10:30 – 5:00 PM)
  - Topics to be discussed include: review progress on imaging technology, identify deliverables for next year
  - Review current status, outline priorities for next year, assign responsibilities
- Deliverables
  - Identification of specific milestones and schedules for key deliverables for next year

## TUESDAY, OCTOBER 16

7:30 am – 8:30 am

### REGISTRATION

- Meeting place: Natcher Conference Center, In front of the Auditorium
- Target audience: All participants

8:30 am – 9:15 am

### WELCOME REMARKS, OPEN PLENARY SESSION, GOALS FOR THE AHM

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderator: Bruce Rosen
- Goals
  - Welcome remarks
  - Introduction of the test bed PIs
  - Highlight cross testbed integration
  - Introduce the Operations Committee
  - Motivation for continued, focused effort
  - Stimulate ideas and strategies for development of BIRN
- Suggested Advance Preparation
  - Review Meeting Schedule and Overview
- Deliverables
  - A productive meeting

9:15 am – 10:30 am

Tuesday

### **TRAINING – ATLASING: INTEGRATION OF TOOLS WITH SLICER**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants
- Moderator: Steve Pieper
- Goals
  - An overview of current Slicer functionality
  - Integration of tools

### **TRAINING – BIRN DATA REPOSITORY: SHARING DATA WITH THE BIRN DATA REPOSITORY**

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderators: Chris Fennema-Notestine, Andrea Arnaud
- Goals
  - Overview of the BDR
  - Requirements

### **TRAINING – INFORMATICS: USING XCEDE**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: All participants
- Moderator: Jeffrey Grethe
- Goals
  - Introduction to what XCEDE is about and what it is for (high-level view)
  - Overview on features and functionality of XCEDE
  - Details on using XCEDE for tool development will be covered in subsequent sessions

10:30 am – 10:45

Tuesday

### **BREAK**

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants

10:45 am – noon

Tuesday

### **TRAINING – ATLASING: QUERY ATLAS**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants
- Moderator: Steve Pieper
- Goals: How to use the query atlas and its features

### **TRAINING – BIRN DATA REPOSITORY: USING CCDB**

- Meeting place: Natcher Conference Center, Room G1/G2
- Target audience: All participants
- Moderator: Maryann Martone
- Goals
  - Review of CCDB in the context of the BDR; overview of functions and features

### **WORKING GROUP – INFORMATICS: XCEDE XML SCHEMA**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: Informatics developers from all BIRN testbeds and CC
- Moderator: Syam Gaade
- Deliverables
  - TBD by Working Group

Noon – 2:00 pm

Tuesday

### **BIRN PARTICIPANTS WORKING LUNCH**

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants
- Moderators: None
- Goals
  - Time for the larger group to have impromptu discussions and meetings
  - Time for individual and group consultation with developers of BIRN software regarding suggestions for new features/functionality/organization
  - Greater integration of effort across sites and working groups

- Suggested Advance Preparation: Bon Appetit

2:00 pm – 3:15 pm

Tuesday

#### **TRAINING – ANALYSIS AND VISUALIZATION: EVENT STATS**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants
- Moderator: Michele Diaz
- Goals
  - Introduction to using Eventstats for imaging analysis, visualization, and exploration
  - Using examples from the Phase II dataset to show how to set up the data, process it using Eventstats, and look at it

#### **TRAINING – ATLASING/ANALYSIS: DTI STUDIO AND LDDMM**

- Meeting place: Natcher Conference Center, Room C1/C2
- Target audience: All participants
- Moderators: Susumu Mori and Mike Miller
- Goals
  - Familiarization with both packages.
- Suggested Advance Preparation
  - TBD
- Other information TBD

#### **WORKING GROUP – INFORMATICS: XCEDE WEB SERVICES**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: Informatics developers from all BIRN testbeds and CC
- Moderators: Dave Keator, Dan Marcus
- Deliverables
  - TBD by Working Group

3:15 pm – 3:30 pm

Tuesday

### **BREAK**

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants

3:30 pm – 4:45 pm

Tuesday

### **TRAINING – ANALYSIS AND VISUALIZATION: FIPS**

- Meeting place: Natcher Conference Center, Room G1/G2
- Target audience: All participants
- Moderator: Doug Greve
- Goals
  - Explain how to use FIPS 2.0 for imaging data analysis
  - How to overlay individual subject's results on Freesurfer results
  - Introduce the current capabilities of FIPS 2.0
  - Collect some feedback on potential improvements

### **TRAINING – ATLASING: MOUSE ATLASING TOOLS**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants
- Moderator: Jyl Boline
- Goals
  - Using MBAT
    - To install:
      - Must have Java 1.5+, <http://java.com/en/download/index.jsp>
      - Optional: Java 3D 1.3+, <https://java3d.dev.java.net/binary-builds.html>
    - To use query functions: must have web-access

### **WORKING GROUP – INFORMATICS: IDENTIFYING DATA OBJECTS USING XCEDE WEB SERVICES**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: Informatics developers from all BIRN testbeds and CC
- Moderator: Jeffrey Grethe

- Deliverables
  - TBD by Working Group

### **TRAINING – PORTAL: OVERVIEW OF NEW FEATURES, REQUIREMENTS**

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderator: Ramil Manansala
- Goals
  - Update on portal.

4:45 pm – 5:00 pm

Tuesday

### **GROUP PICTURE**

- Meeting place: Natcher Conference Center, Auditorium
- Target audience: All participants
- Moderator: Skip Cynar
- Deliverables
  - Group Picture

5:00 pm – 7:00 pm

Tuesday

### **POSTER SESSION & EVENING SOCIAL**

- Meeting place: Natcher Conference Center, Atrium
- Target audience: All participants
- Moderators: Poster Participants
- Goals
  - Preview of current research endeavors

WEDNESDAY, OCTOBER 17

7:30 am – 8:30 am

#### REGISTRATION

- Meeting place: Natcher Conference Center, In front of the Auditorium
- Target audience: All participants

8:30am – 10:00 am

Wednesday

#### TRAINING – ANALYSIS & VISUALIZATION: QDEC

- Meeting place: Natcher Conference Center, Room B
- Target audience: All participants
- Moderators: Nick Schmansky, Nicole Aucoin
- Goals
  - Overview on functionality and features

#### WORKING GROUP – ATLAS INTEROPERABILITY I

- Meeting place: Natcher Conference Center, Room A
- Target audience: Atlas developers
- Moderator: Ilya Zaslavsky
- Advance preparation: Attendance at previous atlas sessions.
- Goals: Review and discuss current BIRN informatics atlasing efforts
- Deliverables
  - TBD by Working Group

#### WORKING GROUP– INFORMATICS: IMPLEMENTATION OF XCEDE & WEB SERVICES

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: Informatics developers from all BIRN testbeds and CC
- Moderators: Dan Marcus, Dave Keator, Steve Anderson
- Deliverables
  - TBD by Working Group

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## TRAINING – ONTOLOGY: DATA INTEGRATION/CONCEPT MAPPING – USE OF ONTOLOGIES

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderator: Maryann Martone
- Goals
  - Use of Concept Mapping and ontologies for multi-database data searching

10:00 am – 10:15 am

Wednesday

### BREAK

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants

10:15 am – 12:00 pm

Wednesday

## WORKING GROUP – ATLASING: ATLAS INTEROPERABILITY II

- Meeting place: Natcher Conference Center, Room A
- Target audience: Atlas developers
- Moderator: Ilya Zaslavsky
- Advance preparation: Attendance at previous atlas sessions.
- Goals:
  - Determine how different atlasing systems may benefit from other atlasing informatics functionality, determine how to create access to these resources, and promote interoperability across systems
- Deliverables
  - TBD by Working Group

## TRAINING – BIRN DATA REPOSITORY: USING XNAT

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderators: Dan Marcus
- Goals
  - How to use XNAT in the context of the BDR

### **WORKING GROUP – ONTOLOGY: CURATION**

- Meeting place: Natcher Conference Center, Room G1/G2
- Target audience: Members of the Ontology Task Force
- Moderators: Maryann Martone
- Deliverables
  - TBD by Working Group

Noon – 2:00 pm

Wednesday

### **BIRN PARTICIPANTS WORKING LUNCH**

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants
- Moderators: None
- Goals
  - Time for the larger group to have impromptu discussions and meetings
  - Time for individual and group consultation with developers of BIRN software regarding suggestions for new features/functionality/organization
  - Greater integration of effort across sites and working groups
- Suggested Advance Preparation: None
- Deliverables: None

2:00 pm – 3:15 pm

Wednesday

### **TRAINING – ANALYSIS & VISUALIZATION: LONI PIPELINE**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants
- Moderator: Cornelius Hojatkashani, Allen MacKenzie-Graham
- Goals
  - Overview of LONI Pipeline

### **TRAINING – BIRN DATA REPOSITORY: USING HID AND FIRE**

- Meeting place: Natcher Conference Center, Main Auditorium

- Target audience: All participants
- Moderators: Dave Keator
- Goals
  - The FIRE tools in the context of the BDR
  - How to search and download data from the BDR
  - Collecting initial feedback on priorities for improvements

#### **WORKING GROUP – ONTOLOGY: CURATION**

- Meeting place: Natcher Conference Center, Room G1/G2
- Target audience: Members of the Ontology Task Force
- Moderators: Maryann Martone
- Deliverables
  - TBD with Working Group

#### **TRAINING – PORTAL: INTEGRATION OF NEW APPLICATIONS**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: All participants
- Moderators: Ramil Manansala
- Goals
  - New applications available on the portal

3:15 pm – 3:30 pm

Wednesday

#### **BREAK**

- Meeting place: Natcher Conference Center, Cafeteria
- Target audience: All participants

3:15 pm – 4:45 pm

Wednesday

#### **MORPHOMETRY BIRN PLANNING MEETING**

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All Morphometry BIRN participants
- Moderator: Bruce Rosen

- Goals
  - Planning for the upcoming two years
  - Stimulate ideas and strategies for development of mBIRN
- Suggested Advance Preparation
  - Define goals for individual site with emphasis on integration
- Deliverables
  - A productive meeting

3:30 pm – 4:45 pm

Wednesday

#### **TRAINING – ANALYSIS & VISUALIZATION: CIGAL**

- Meeting place: Natcher Conference Center, Room A
- Target audience: All participants interested in psychological experiments
- Moderator: Jim Voyvodic
- Goals
  - Functionality and features of CIGAL for experimental control and data collection

#### **TRAINING – COMPUTATION: TOOL INTEGRATION WITH DATA AND COMPUTATION GRID**

- Meeting place: Natcher Conference Center, Room F1/F2
- Target audience: All participants
- Moderators: Marco Ruiz
- Goals
  - Functionality and features

4:45 pm – 5:30 pm

Wednesday

#### **BIRN WORKING GROUP REPORTS WITH MILESTONES & DELIVERABLES FOR THE COMING YEAR**

- Meeting place: Natcher Conference Center, Main Auditorium
- Target audience: All participants
- Moderators: Leaders of the Working Groups
- Goals
  - Each Working Group will present results from the meeting
    - Informatics – Syam Gadde, Jeff Grethe, David Keator, Dan Marcus
    - Ontology – Maryann Martone

- Atlasing – Jyl Boline, Ilya Zaslavsky
  - Review where interactions may occur between test beds or with external groups– use of tools, data sharing, etc.
- Suggested Advance Preparation
  - Attendance at previous sessions
- Deliverables
  - Present milestones and schedule for key deliverables for the next phase of research