



BIOMOD

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BIOMOD 2014 Schedule

Friday, October 31, 2014

- 09:00–20:00 **Optional:** Practice session space is available in the MacVicar and Chu Meeting Rooms and at Le Meriden Hotel (located on the third floor of the hotel). Availability is on a first-come, first-serve basis.
- 16:30–20:00 Registration at The Loft, Le Meriden Hotel, Cambridge (Main Lobby Area)

Saturday, November 1, 2014

Time	Description
06:00–07:00	Breakfast for BIOMODers at Le Meriden Hotel (Hunsaker Room, Third Floor) or the Marriott Hotel (Champions Restaurant)
07:00–08:00	Make your way to Northwest Laboratory
08:00–08:15	Opening remarks
08:15–08:30	Xiamen University — Team Nanobiocat
08:30–08:45	Aarhus University — Detector Gadget
08:45–09:00	Tianjin University — Tianjin
09:00–09:15	UC, Riverside — Breaking RNA
09:15–09:30	Ocean University of China — SeaSon
09:30–09:45	University of Texas at Austin — Nano Horn
09:45–10:00	North Carolina State University — DNAbears
10:00–10:30	Coffee Break
10:30–10:45	Hong Kong Baptist University — HKBUteam
10:45–11:00	The University of Tokyo Kashiwa — UTokyo Chem & Bio
11:00–11:15	Fukuoka institute of technology — Team FIT
11:15–11:30	Tohoku University — Team Sendai
11:30–11:45	TU Dresden — Dresden DNAmic
11:45–12:00	Huazhong University of Science and Technology — HUST-China
12:00–12:15	Group Photo
12:15–13:30	Lunch
13:30–13:45	University of Tokyo, Komaba — UT-Komaba
13:45–14:00	Kansai University — Team Kansai
14:00–14:15	Victor Chang Cardiac Research Institute Australia — Team echiDNA
14:15–14:30	Kyushu Institute of Technology — Team Kyutech
14:30–14:45	BMSCE — Sampoorana Surakhshan
14:45–15:00	University of Calgary — Stampedosaurs
15:00–15:30	Coffee Break
15:30–15:45	Pukyong National University — DNA Spiders
15:45–16:00	Hokkaido University — Team Hokudai
16:00–16:15	University of Rome Tor Vergata — Team Rome
16:15–16:30	University of Waterloo — uwDNA
16:30–16:45	TU Braunschweig — Nanoscooter

16:45-17:00 NYU Polytechnic School of Engineering- Team Bellerophon
17:00-17:15 Arizona State University — NanoDevils

Sunday, November 2, 2014

Time	Description
06:00–07:00	Breakfast for BIOMODers at Le Meriden Hotel (Hunsaker Room, Third Floor) or the Marriott Hotel (Champions Restaurant)
07:00–08:00	Make your way to Northwest Laboratory
08:00-08:15	The Ohio State University — OhioMOD
08:15-08:30	Universidad Autónoma de Nuevo León — Nanolab
08:30-08:45	Columbia University — Motorocracy
08:45-09:00	National Taiwan University — NTU-Taiwan
09:00–10:30	AutoDesk Workshop, Awards Ceremony & Closing remarks
12:00	Check out of hotel

Registration/Check-in

All teams are required to check-in for BIOMOD on Friday, October 31st from 16:30 – 20:00. Registration is located at The Loft, Le Meridien Hotel, 20 Sidney Street, Cambridge, MA, 02139 (located in the main lobby of the hotel). At registration each team member will receive a badge (which must be worn at all times during BIOMOD), participation certificate, and BIOMOD t-shirt.

Friday Night Practice

Optional practice session space is available in the MacVicar Room and the Chu Room at Le Meridien Hotel, Cambridge, MA 02139 (both located on the third floor of the hotel) on Friday, October 31st from 9:00 – 20:00. Sign-up for the space will be available outside of the room in 30-minute intervals. Please begin and end your practice session within your designated time slot.

Hotel

Hotel rooms have been reserved for BIOMODers at Le Meridien Hotel and at Marriott Hotel-Cambridge traveling to this event from outside of Massachusetts.

Address:

Le Meridien Hotel

20 Sidney Street, Cambridge, MA 02139

Link: <http://bit.ly/usKoOe>

Telephone: 800.543.4300

Check-in: after 3:00 PM on Friday, October 31, 2014

Check-out time: before 12:00PM on Sunday, November 2, 2014

For individuals and/or teams that made arrangements for an early arrival before October 31st or late departure after November 2nd please contact the hotel directly regarding any questions.

Breakfast will be served each morning starting at 6:00 in the Hunsaker Room located on the third floor of the Le Meriden Hotel.

Address:

Marriott Hotel-Cambridge
50 Broadway, Cambridge, MA 02142

Link: <http://bit.ly/P0kTKy>

Telephone: 617.494.6600

Check-in: after 4:00 PM on Friday, October 31, 2014

Check-out time: before 12:00PM on Sunday, November 2, 2014

For individuals and/or teams that made arrangements for an early arrival before October 31st or late departure after November 2nd please contact the hotel directly regarding any questions.

Breakfast will be served each morning starting at 6:00 in the Champions Restaurant at the Marriott Hotel-Cambridge.

Please note: There are no public phones in the vicinity of the Le Meriden Hotel, the Marriott Hotel-Cambridge or Northwest Lab Building.

Getting to BIOMOD

Address:

Northwest Lab Building at Harvard University, Room B-103
52 Oxford Street
Cambridge, MA 02138



Public Transportation from Le Meriden Hotel, Cambridge, MA

On Saturday, November 1st the morning trains depart approximately every 14 minutes.

FROM LE MERIDIEN HOTEL

Walking from Le Meridien Hotel to Northwest Building will take approximately 34 minutes and public transit from Le Meridien Hotel to the Northwest Building will take approximately 20 minutes.

Walking directions to get the MBTA, 'T' *Red Line.

1. Exit the Le Meridien Hotel main entrance and take a right onto Green Street.
2. Turn right at the intersection of Brookline Street and Green Street.
3. You are now on Brookline Street.
4. At the end of Brookline Street take a left.
5. Take a left a Route 2A.
6. Continue on to the 'T' Station to the Redline, Station Name 'Central Square'.
7. Take the Red Line train **Alewife** to 'Harvard Square' Station.

FROM MARRIOTT HOTEL-CAMBRIDGE

Walking from the Marriott Hotel-Cambridge to Northwest Building will take approximately 41 minutes and public transit from the Marriott Hotel-Cambridge will take approximately 20 minutes.

Walking directions to get to the MBTA, 'T' *Red Line.

1. Exit the Marriott Hotel-Cambridge main entrance and take a right onto Broadway.
2. Turn right onto Main Street.
3. Continue on to the 'T' Station to the Redline, Station Name 'Kendall/MIT'.
4. Take the Red Line train **Alewife** to 'Harvard Square' Station.

*The 'T' symbol indicates the location of the subway line.

Once in Harvard Square – Getting to Northwest Building

Upon exiting the "T" station via Church Street exit, walk NNE through Harvard Yard to the Science Center. Then proceed away from the Science Center on Oxford Street. The Northwest Building is just beyond the Harvard Museum of Natural History, on the right hand side of the street.

Area maps

Map 1 – from Le Meridien to Northwest Lab Building

Pin A – Le Meridien Hotel, 20 Sidney Street, Cambridge, MA 02139

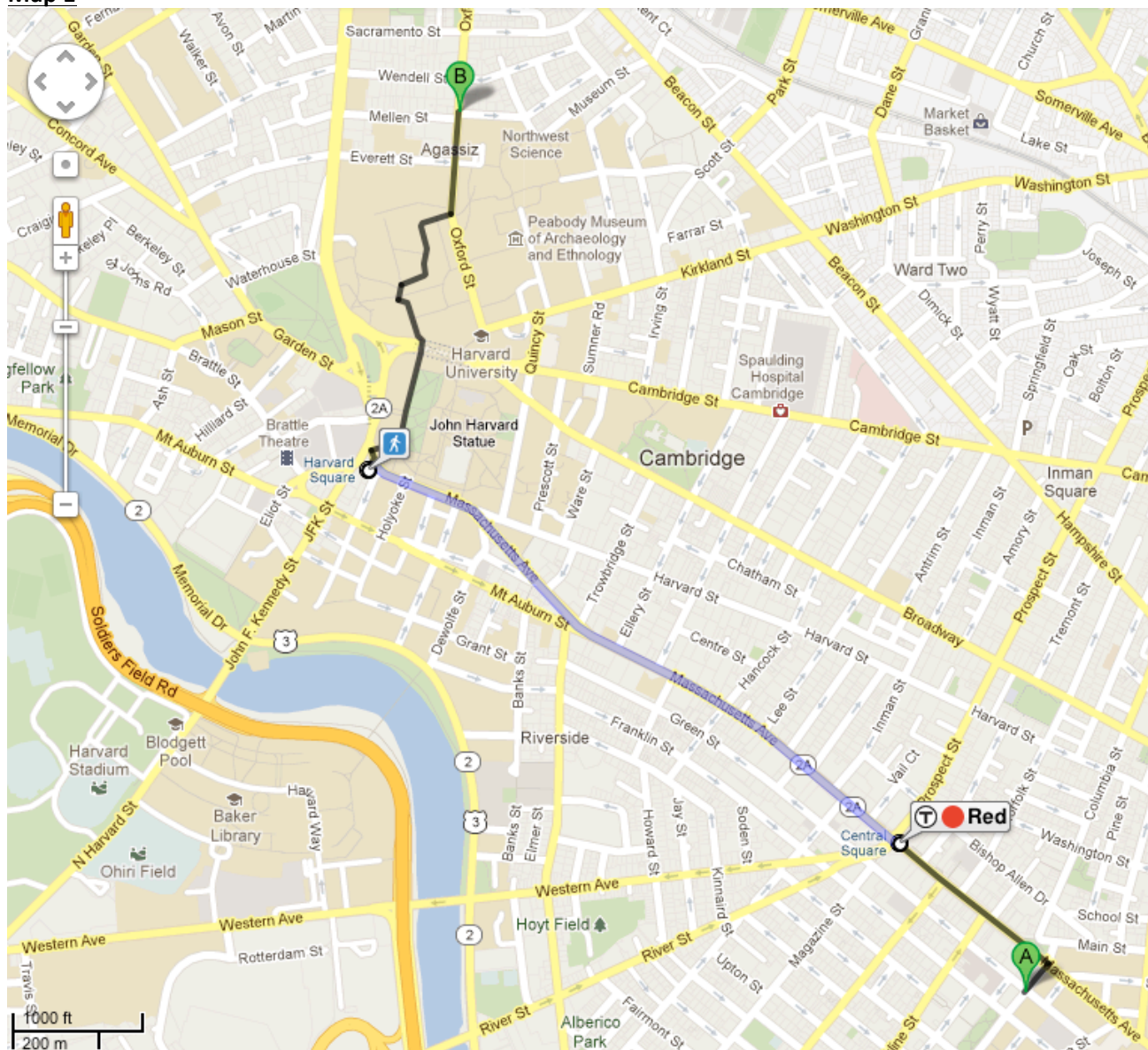
Pin B – Northwest Lab Building, 52 Oxford Street, Cambridge, MA 02138

Map 2 – from Marriott Hotel-Cambridge to Northwest Lab Building

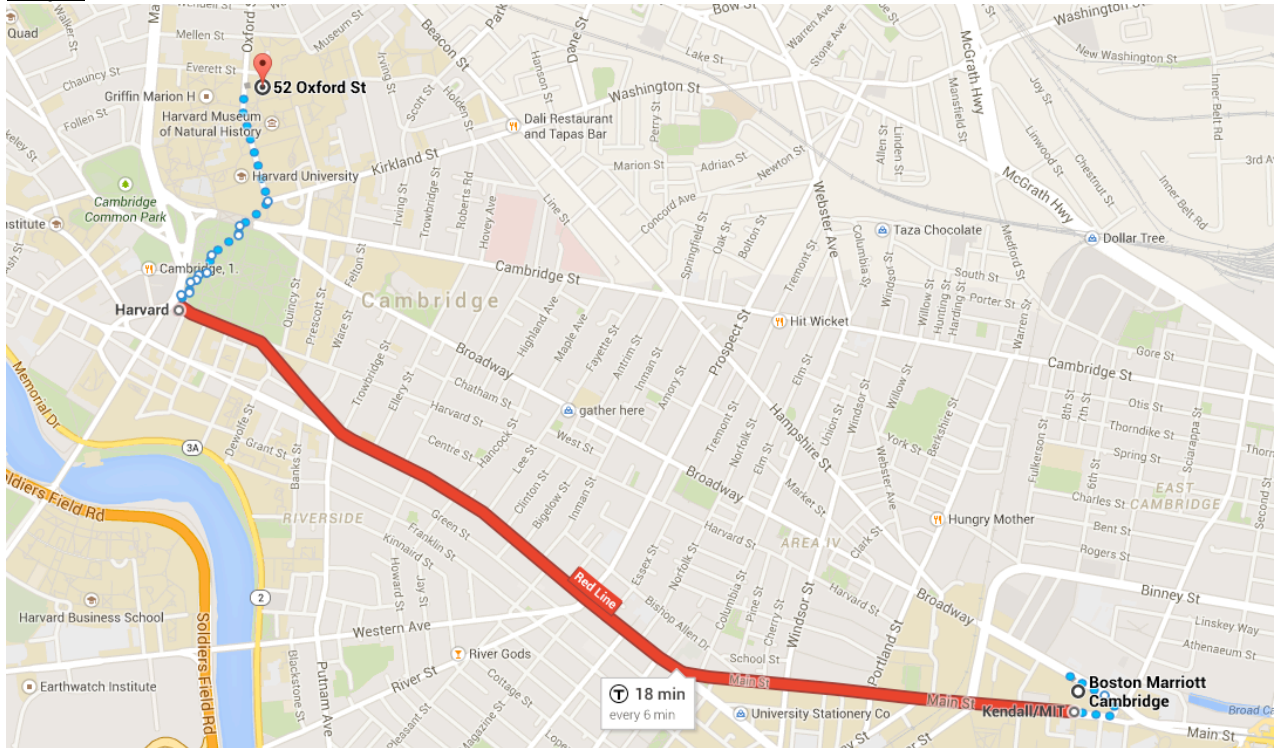
Start – 'Boston Marriott Cambridge', 50 Broadway, Cambridge, MA 02142

End – Northwest Lab Building, 52 Oxford Street, Cambridge, MA 02138

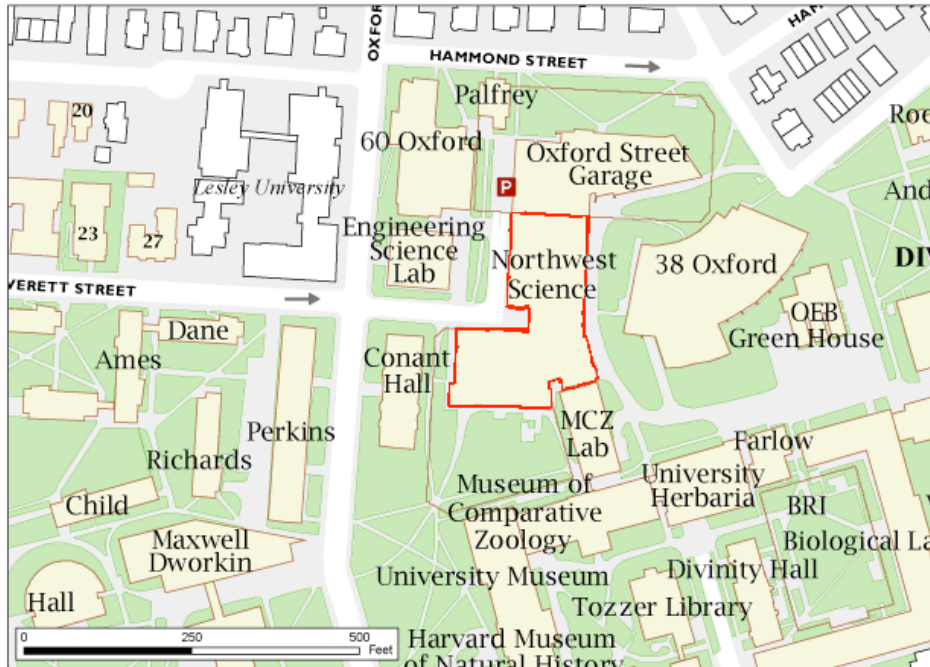
Map 1



Map 2



Map of Northwest Building on the Harvard University campus



Presentation details

All team presentations will take place in North West Building, Room B-103. Please plan to present a **10-minute** talk. This will leave **3 minutes** for questions and **2 minutes** for setup/takedown. The time limits will be strictly enforced, so rehearsing in advance is strongly recommended to avoid being cut off. The room is equipped with a projector and screen. Please remember to bring converters, adapters, cables, etc. as these will **not** be provided by BIOMOD.

Break refreshments and lunch

Saturday: Morning and afternoon break refreshments as well as lunch will be available for all attendees at Northwest Building just outside Room B-103.

Sunday: Coffee will be available for all attendees at Northwest Building just outside Room B-103.

Judging and awards

Our aim is to maintain an open and fair process for evaluating each team's performance. Teams will be scored by judges using a point system. The judging process will have two stages: online content (worth up to **75 points**) and live presentation (worth up to **25 points**).

Online content scoring

- Maximum combined score for online content is **75 points** (= 50 points for wiki + 25 points for internet video)
- Scores will be determined by a range-voting system.
- Five (5) judges will be randomly assigned to each team.
- Judges will evaluate each project according to a rubric (see below) and assign a point value in each category.
- Highest and lowest judges' total scores are excluded to remove outliers.
- Three remaining judges' scores will each weighted by 1/3 and combined to determine the total scores for each category.

Wiki (up to 50 points)

Project Idea (20 points)

- Relevance: Has the team made a strong case that their project idea is scientifically and/or technologically interesting? **(5 points)**
- Specification: Are the project goals well-defined? (i.e. Does the team explicitly state what criteria need to be met in order to consider the project a success?) **(5 points)**
- Feasibility: Was the proposed solution feasible? (i.e. Was it reasonable to expect that the solution could be implemented by a BIOMOD team in one summer?) **(5 points)**
- Merit: Is the proposed solution a good one? Is it particularly elegant or innovative? **(5 points)**

Project Documentation (20 points)

- Clarity: Is the project description well-written and easy to understand? Does it include the background and motivation of the project, methods, results, and discussion? Are the figures easy to understand? **(10 points)**

- Transparency: Are all of the raw experimental data and source files easily accessible? Would it be straightforward to attempt to reproduce the team's results? **(5 points)**
- Layout: Is the team's project page arranged in a clear and logical fashion? **(5 points)**

Project Execution (10 points)

- Execution: Did the team accomplish what they set out to do? **(10 points)**

YouTube video (up to 25 points)

- Overall impact: Was the video interesting? Did you want to watch more than once? **(10 points)**
- Clarity: Was the project described in a simple and clear manner that could be easily understood by a wide audience? **(10 points)**
- Production: Was the sound and video high quality? Were the images focused and scaled properly? **(5 points)**

Presentation scoring (up to 25 points)

- Content: Were the slides clear and easy to understand? Did the project narrative have a logical flow, with clearly stated goals and results? **(10 points)**
- Delivery: Did the speaker(s) give a well-rehearsed, well-paced presentation? Did the speaker(s) engage with the audience and maintain good eye contact? **(10 points)**
- **Impact: Was the presentation interesting? fun? clever? memorable?** (5 points)

Judges

- Judges were selected from a pool of BIOMOD faculty mentors and outside experts.
- Mentors will not evaluate their own team.
- The 2014 BIOMOD Jamboree Judges:

Name	Affiliation
Akinori Kuzuya	Kansai University
Akira Kakugo	Hokkaido University
Alexandre Baccouche	University of Tokyo
Bryon Hinebaugh	Wyss Institute at Harvard University
Carlos Castro	Ohio State University
Carlos Olguin	Autodesk
Chenxiang Lin	Yale University
Ebbe Andersen	Aarhus University
Elisa Franco	University of California - Riverside
Francesco Ricci	University of Rome
Hans-Georg Braun	Dresden University of Technology
Henry Hess	Columbia University
Hisashi Tadakuma	University of Tokyo Kashiwa
Jorgen Kjems	Aarhus University

Joseph Schaeffer	Autodesk
Kei Fujiwara	Tohoku University
Ken Komiya	Tokyo Institute of Technology
Kris St. Gabriel	Wyss Institute at Harvard University
Masahiro Takinoue	Tokyo Institute of Technology
Paul Rothmund	Caltech
Peng Yin	Wyss Institute at Harvard University
Philip Lukeman	St. John's University
Philip Tinnefeld	TU Braunschewig
Ralf Jungmann	Wyss Institute at Harvard University
Satoshi Murata	Tohoku University
Shin-ichiro Nomura	Tohoku University
Shizhen Wang	Xiamen University
Shogo Hamada	Tohoku University
Thomas Topping	Aarhus University
Thorsten-Lars Schmidt	TU Dresden
Tim Liedl	Ludwig-Maximilians University
William Shih	Wyss Institute at Harvard University
Ying Kit Yue	Hong Kong Baptist University
Yonggang Ke	Emory University

Awards

The following prizes will be awarded:

Top Prizes

- Grand prize = 1st highest total combined points from wiki + video + presentation
- 1st runner up = 2nd highest total combined points from wiki + video + presentation
- 2nd runner up = 3rd highest total combined points from wiki + video + presentation

Category awards

- Best Wiki = 1st place, 2nd place, 3rd place
- Best YouTube Video = 1st place, 2nd place, 3rd place
- Best Presentation = 1st place, 2nd place, 3rd place
- Audience Favorite = 1st place, 2nd place, 3rd place

Project awards

- Bronze: Team satisfied all minimum requirements for judging (i.e. Submitted a complete Project wiki and uploaded a YouTube video)

- Silver: Satisfied criteria for Bronze, plus at least one device (part of the system) in the team's design is worked as expected.
- Gold: Satisfied criteria for Silver, and overall point score from Wiki + YouTube + Jamboree presentation are in top 50% of all teams.

Special Awards

- The Second Annual Molecular Robotics Award (by [MOLBOT](#), Japan)
- Best Team T-shirt Award

Each member of the winning team of the top prizes, category awards, and project awards will receive an award provided by the BIOMOD sponsors and certificate.



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