



# BrainIT meeting – Edinburgh

([www.brainit.org](http://www.brainit.org))



*Thursday 6<sup>th</sup> – Friday 7<sup>th</sup> December 2018*

**Craigmillar Meeting Room**  
**Usher Institute of Population Health and Informatics**

**Nine Edinburgh BioQuarter**  
**9 Little France Road**  
**Edinburgh**  
**EH16 4UX**



## **Thursday 6<sup>th</sup> December AM (Craigmillar Meeting Room, Nine Bioquarter)**

**08:45-09:00 – Registration**

***09:00-09:10 – Welcome to Edinburgh – Milly Lo***

### **Session I**

**09:00-11:00 – BrainIT Datathon**

Datathon Introduction (10 mins): *Ian Piper*

The BrainIT Datathon will bring together Clinicians with an interest in addressing specific research questions with Data Scientists who have not worked in this clinical domain previously. Although this Datathon is focused on data acquired from adult patients with TBI, the approach is just as valid for those interested in Paediatric TBI and shows the potential of open and free data collection and sharing.

#### **Key Points:**

- Two days prior to the Datathon, the attending data scientists will have been given access to a PDF describing the data elements of the BrainIT database.
- During this session and after a more detailed presentation of the BrainIT datasets and their



structure, three research questions will be posed in turn by three BrainIT group clinicians. After each question, there will be approximately 30 minutes for the attending data scientists to question clinical staff about the question of interest and which aspects of the dataset(s) may be relevant. The data scientists will use this as a form of “Requirements Analysis”, albeit a short version.

- The attending data scientists will then be assigned to one of three groups representing the three clinical questions.
- From 11:00-15:00 the Data Scientists will move to an Usher break-out room (Ness Room) and can begin downloading and working with the data.
- The Datathon analyses will continue on Friday 7<sup>th</sup> with presentations at 16:00.

Full Details can be viewed at: <http://www.brain-it.eu/icuprog>

**11:00-11:30 – Coffee**



**Data-thon break-out session from 11:30 am onwards  
(Ness Room, Centre for Medical Informatics, Nine  
Bioquarter)**

**Session II – Chair Ian Piper (Craigmillar Room, Nine  
Bioquarter)**

**11:30-13:00 – Free Papers**

Free papers: 7 x 8 min papers + 5 mins Discussion

- Sam Klein (Leuven) - Can we measure cerebrovascular autoregulation?
- Federica Maruccia (Barcelona) - "Benign" Enlargement of Subarachnoid Spaces (BESS): toddler psychomotor development and continuous non-invasive optical monitoring.
- Susana Tagliabue (Barcelona). Non-invasive assessment of the cerebral hemodynamic response to hyperventilation in patients with high intracranial pressure in traumatic brain injury.
- Martin Shaw. (Glasgow) Time series analysis and prediction of ICP signals.
- Anna Teresa Mazzeo (Turin). Early pituitary dysfunction in critically ill patients of different etiology. Turin

Tricia Johnstone (Edinburgh). Bedside skills to bench: Data cleaning to research idea. A new research nurse's perspective



Jan-Oliver Neuman (Heidelberg). Imaging and Vessel Segmentation.

## **LUNCH – Common Area Level 2, Nine**

### **Bioquarter**

**13:00-14:00 – Lunch**

## **PM (Craigmillar Room, None Bioquarter)**

**Session III – Chair Milly Lo**

**14:00-14:45 Key-Note Lecture  
(45 mins)**

Dr Vera Nenadovic – *After the gold rush: panning the data stream.*

Brainsview Inc. and Holland Bloorview Kids  
Rehabilitation Hospital, Toronto, Canada.

**14:45 – 14:55 (10 mins) Invited Talk**

Dr Rob Forsyth - *Are severity-outcomes after  
(paediatric) ABI altered by rehabilitation received*

Consultant paediatric neurologist in the Great North  
Children's Hospital in Newcastle and Senior Lecturer of  
Newcastle University.



## **Session IV**

### **15:00-15:30 – KidsBrainIT Project Status**

*Phase-1 Updates: Year 1 progress & challenges, plus future plans & ideas for 2019 (15 mins): Milly Lo*

PI Discussion – Issues.

### **15:30-16:00 – Coffee**

## **Session V**

### **16:00-17:15 – KidsBrainIT Informatics Status – Ian Piper**

- KidsBrainIT “RedCap” Data Collection Tool
  - Demo
  
- New KidsBrainIT Systems:
  - The KidsBrainIT “Data Centre”
  - Downloading and Using the New KidsBrainIT Monitoring Data Anonymising Tool.

### **17:15-17:30 – Close and Announcements about Dinner**



***Friday 7<sup>th</sup> December 2018***  
***(Craigmillar Meeting Room Usher)***

**Datathon Focus**

**Friday 7<sup>th</sup> December AM**

**09:00-16:00**

Datathon Data Analysis Continues.

**LUNCH**

**13:00-14:00 – Lunch**

**PM**

**16:00-17:15**

Data Scientist Results: Presentations/Discussions

**17:15-17:30**

Prize Giving for Best Preliminary Analysis.

Concluding Remarks.



## **FURTHER MEETING INFORMATION**

### **Dinner (6 December 2018, 20:30 hours)**

Dinner will be held at “Howies Restaurant in Central Edinburgh”

**Phone:** 0131 556 5766

**E-mail:** [waterloo@howies.uk.com](mailto:waterloo@howies.uk.com)

**Address:** 29 Waterloo Place, Edinburgh EH1 3BQ

Dinner will be held in a private room and will start at 20:30.  
Just ask for the BrainIT Group booking.

<https://www.howies.uk.com/waterloo-place-edinburgh/>

***Please note that BrainIT will cover meal costs but individuals will be responsible for covering costs of drinks.***

**Whisky drinkers / Those wanting to network with our  
Key Note Speaker: (6 December 2018 19:00 hours –  
20:00 hours)**

Vera and Milly will be at the Scottish Malt Whisky Society (28 Queens Street, Edinburgh) from 7 pm onwards on 6 December for a dram or two!





The down-stair bar (Kaleidoscope Bar) is open to the public and you are most welcome to join us. Milly is a member and may bring rotating groups of up to 3 guests at a time up to the exclusive members' area for a dram / viewing.

<https://www.smws.com/about/venues/28-queen-street>

### **Accommodation**

Ten Hill Place (Surgeons Quarter), their discounted rate (£115 per night per room Bed and Breakfast) is available until 31 Oct 2018. To book, please phone the hotel on +44(0)131 662 2080 and quote Discount code: AEEBIT051218

For Sheraton Grand, their discounted rate is available until 12 Nov 2018. (Bed & Full Scottish Breakfast & complimentary bottled water (Inclusive of VAT) - Single occupancy £150 per night; Double occupancy £170 per night). To book, please use this dedicated website provided by SheratonGrand:

<https://www.starwoodmeeting.com/Book/brainitconference>

Edinburgh First Masson House Hotel's discounted rate is available beyond 12 Nov 2018. To book please use the following website and quote EVENTS for 15% discount:

<https://www.edinburghfirst.co.uk/for-accommodation/masson-house-hotel-and-bistro/?type=ForAccommodation&attending=>



## Transportation to and From the Venue

**A set of Taxis will be leaving from the three main hotel venues (Sheraton, 10 Hills Place and Masson) on the first morning (Thursday 6<sup>th</sup>) at 08:15 am. These will be from the “Central Taxi” company and will be booked under the name “BrainIT”.**

**To make your own way there, details are below:**

Nine Bioquarter (where the Usher Institute is based) is on the same site as the Royal Infirmary of Edinburgh, “Little France”, South Edinburgh:

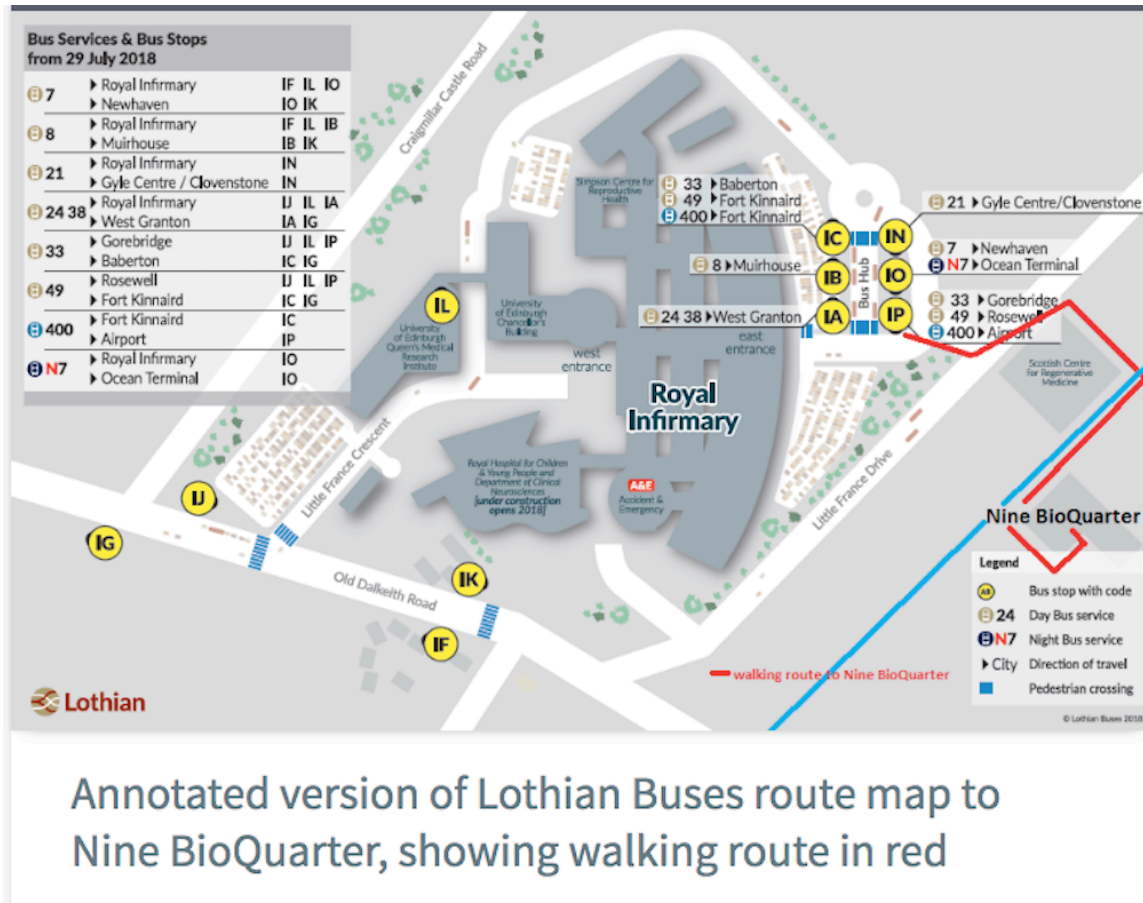
***9 Little France Road  
Edinburgh BioQuarter  
Edinburgh  
EH16 4UX***

Once at the Royal Infirmary Campus, follow the “Red-Line” on the map below to find Nine Bioquarter Building. ***Please note that the Entrance to the building is at the back and you will need to follow the paths (purple signs to 9 BioQuarter) around the front of the building to access the main entrance.*** If you arrive at the main bus drop-off point then please note the building is hidden from view but if you head towards the “Red Construction Crane” you will be heading in the correct direction! ”The “Craigmillar Room”, where the meeting is being held, is on the 2<sup>nd</sup> Floor of the Usher Institute. Please follow the signs for “BrainIT-2018” to reach the meeting venue. **Please try to arrive no later**



than 8:45 on the Thursday 6<sup>th</sup> to allow enough time for registration. The meeting starts promptly at 09:00.

Late comers please take the elevator to Level 2 in Nine BioQuarter, turn left when coming out of the elevator and then first left and ring the door bell for entry.



Full details and a map about how to get to the Nine BioQuarter can be found on the link below:  
<https://www.ed.ac.uk/usher/contact/find-us>

Some relevant Screen Shots are below:



## Usher @ Edinburgh BioQuarter

The Usher Institute is partially located within NINE Edinburgh BioQuarter, on the south-east edge of the BioQuarter campus. The Transport & Parking department has substantial information on reaching this campus by any method - however, please also note the specific information below if arriving by car or bus.

### Travelling to BioQuarter

#### By car

NINE Edinburgh BioQuarter is not directly accessible directly from the hospital side of the BioQuarter campus. Instead, vehicular access is from Little France Road, off of Old Dalkeith Road/A7.

Due to the multi-tenancy nature of NINE Edinburgh BioQuarter, parking is extremely limited. It is not covered by the University permit system. Please contact your host or meeting organiser for more information or to request local parking.

Paid parking facilities are available at the Royal Infirmary, a short walk away. There are also regular buses to the hospital from the nearby free Sheriffhall Park & Ride facility.



#### By bus

Follow the University's directions to the Royal Infirmary at Edinburgh BioQuarter, and alight at the bus hub (stops IA, IB or IC from city; stops IN, IO or IP towards city).

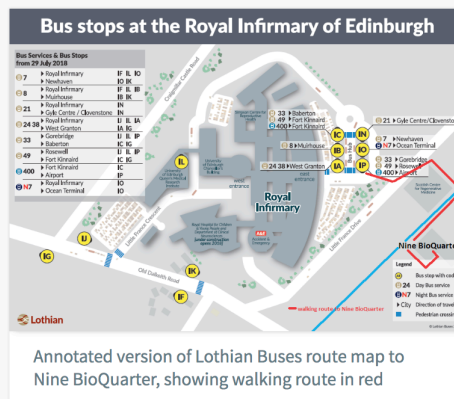
From the bus hubs, purple signage will direct you to NINE Edinburgh BioQuarter, with both stepped and step-free paths available. The walk is less than ten minutes.

Currently there is building work on site, so the walking route takes you around the side of the Centre for Regenerative Medicine, up and over the canal. The path takes you across the front and around to the South side of NINE Edinburgh BioQuarter to the entrance.

[Lothian Buses guide to Royal Infirmary/BioQuarter stops \(pdf\)](#)

#### Top tips on bus travel from Usher staff

- From Princes St West End, take Lothian Bus number 24 (~45 mins)
- From Princes Street East, take Lothian Bus numbers 8, 33 (~45 mins)
- From Airport - take Lothian Bus number 400 (~1hr 20)
- From Granton/Western General Hospital take Lothian Bus number 24 or 38 (~1hr)
- From Clermiston, Davidson Mains, Portobello, take Lothian Bus number 21 (~30 mins)
- Lothian Bus number 7 takes a circuitous route to arrive at BioQuarter, and is not advised



- Take Lothian Bus numbers 8, 33 or 49 from Surgeon's Hall stop (opposite the Mosque Kitchen on Nicholson St)

There is an excellent bus service to and from the venue with a list of buses from various starting points listed above.

If you are arriving from the airport the Airlink bus 400 also stops at the Royal Infirmary. The journey takes around 66 minutes without traffic jam.



**For those who don't relish the "Excitement" of public transport, or are lost, confused or just running late...Our recommended local taxi firm is Central Taxi Tel: 0131 229 2468.**

## **Sites to See While in Edinburgh!**

### **(1) Christmas Market + Edinburgh Christmas events + Shows**

<http://www.edinburghschristmas.com>

Christmas market does not open until 10am

'Silent Light' combines silent disco and a Christmas light show

The multi-award winning La Clique has returned to Edinburgh Christmas! (This takes place in Festival Square just outside the Sheraton Grand Hotel)

### **(2) Craigmillar Castle**

<https://www.historicenvironment.scot/visit-a-place/places/craigmillar-castle>

It's around 30 minutes walk via scenic country track from Bioquarter / Royal Infirmary of Edinburgh, or 5 minutes taxi / urber ride.

### **(3) Edinburgh Castle**

<https://www.edinburghcastle.scot/visit>

### **(4) National Museum of Scotland**

<https://www.nms.ac.uk/national-museum-of-scotland/>

Free entrance, excellent exhibits, its roof terrace (access via elevator) gives a wonderful panoramic view of Edinburgh (and please keep this hidden gem a secret!)

<https://www.atlasobscura.com/places/rooftop-terrace-national-museum-of-scotland>

### **(5) Holyrood Park and Arthur Seat**

<https://www.historicenvironment.scot/visit-a-place/places/holyrood-park/>

This is our very own park and extinct volcano in the city and very close to one of our recommended hotels (Masson House Hotel).



## **(6) Harry Potter or MCU Avenger: Infinity War fans**

Victoria Street, Old Town – Inspiration for Diagon Alley in Harry Potter books / movies; Part of Infinity War was filmed here.

Greyfriars Kirk – Inspiration for Harry Potter and the Goblet of Fire.

## **(7) Surgeon's Hall Museum**

<https://museum.rcsed.ac.uk>

This is one of the oldest museums in Scotland with its collections dated back to 1699.

## **Others suggestions from the official tourist website**

<https://edinburgh.org/discover/must-see/top-attractions/>

This link is pretty good - covers some of the best bits

## **Fun facts for the History Nerds....**

Edinburgh Bioquarter is located in the 'Little France' suburb of Edinburgh. Little France acquires its name because Mary, Queen of Scots brought her French entourage to Scotland to stay in the area next to Craigmillar Castle where she took up residence.

## **Places to Eat!**

**Local restaurants with tasty food in Edinburgh (advance booking is advisable as December is a busy time).**

### **Near Ten Hill Place Hotel**

The Cellar Door, George IV Bridge, Edinburgh

Sylvester's, West Nicholson Street, Edinburgh

Ting Thai Caravan, Teviot Place, Edinburgh (Does not take advance booking, long queue at times, cash only)

El Cartel Mexicana, Teviot Place, Edinburgh (Does not take advance booking, long queue at times, accepts cards)

Mother India's Cafe, Infirmary Street, Edinburgh (Book or walk-in, accepts cards, possibly the best Indian restaurant in Edinburgh)

Maki Ramen, West Richmond Street, Edinburgh



The Outsider, George IV Bridge, Edinburgh  
Ondine, George IV Bridge, Edinburgh

**Near Sheraton Grand**

Shebeen, Morrison Street, Edinburgh  
Ishka, Morrison Street, Edinburgh  
Maki and Ramen, Fountainbridge, Edinburgh  
Kylo, Rutland Street, Edinburgh  
Rancho Steak House, Morrison Street, Edinburgh  
Kanpai Sushi, Grindlay Street, Edinburgh (Possibly the best sushi in town! Their fishes and seafood are supplied by the famous 'Eddie's Seafood Market & Fishmongers down the road from Sick Kids Hospital)  
Passorn, Brougham Place, Edinburgh (one of the best Thai restaurant in Edinburgh, it is a wee place but seriously awesome food – Dr. Simpson's (Founder of Edinburgh's Paediatric Intensive Care Unit) retirement dinner was there)  
Ong Gie Korean Restaurant, Brougham Place, Edinburgh (Authentic Korean food, good option if you like spicy food!)

**Near Masson Hall Hotel**

The Salisbury Arms Pub & Restaurant (just across the road from Masson House Hotel)  
The Rabbit Hole, Roseneath Street, Edinburgh  
Los Argentinos, W Preston Street, Edinburgh  
Hanedan, W Preston Street, Edinburgh  
Sambuca, Causewayside, Edinburgh