

# Institute of Physics

## LONDON AND SOUTH EASTERN BRANCH REMS SECTION Visit to Mount Vernon Hospital Innovative Therapy Bunker Thursday 18<sup>th</sup> October 2007

This visit has been organised by Ian Williams

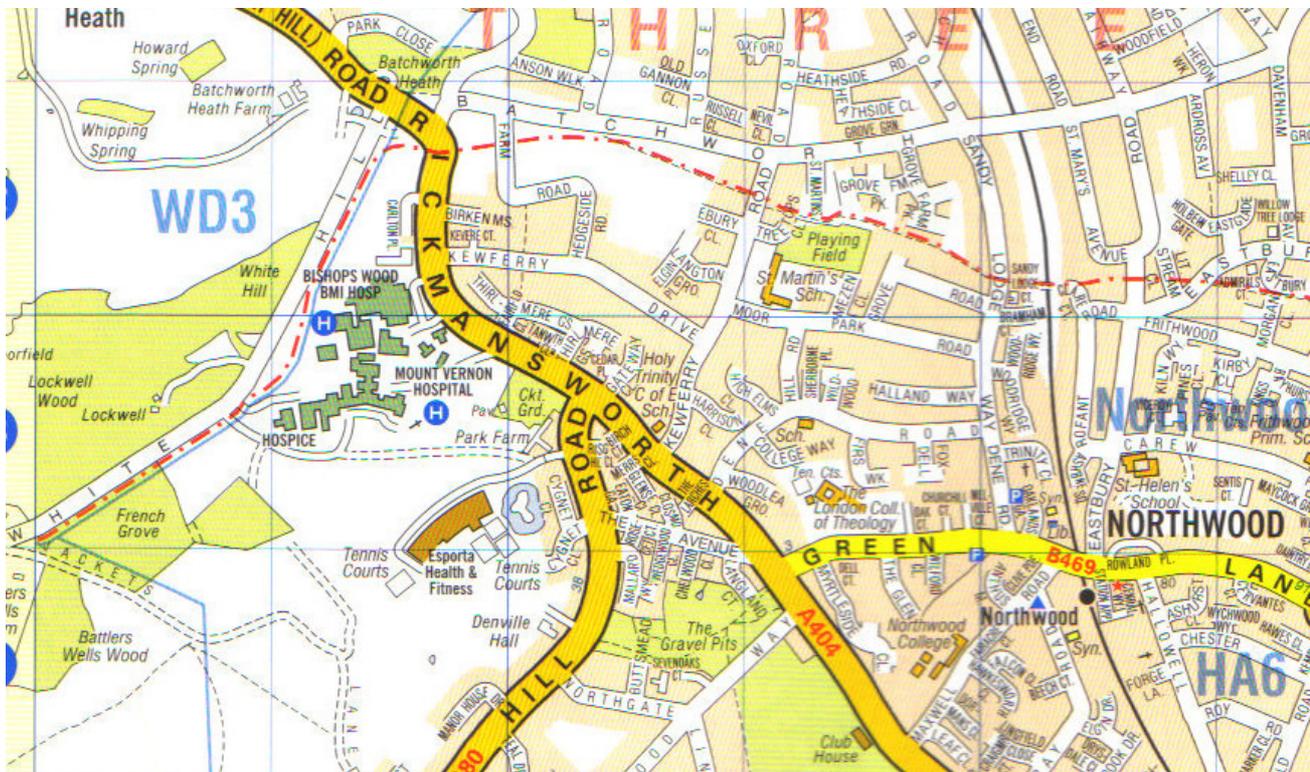
### Research and Therapy at the Gray Cancer Institute at Mount Vernon Hospital

Some of the hospital buildings are over 100 years old, but the £20 million Innovative Therapy Bunker to be visited is in the process of being commissioned.

The Gray Cancer Institute is a leading centre for research applied to cancer treatment, working in close collaboration with clinicians at Mount Vernon Hospital. It was originally a radiobiology research unit with its focus on radiotherapy, but research in tumour physiology has led to new initiatives in cancer chemotherapy and it is introducing new ways of exploiting modern molecular biology. Particular strengths include the translation of research into clinical trials, facilitated by a bio-statistics research group, and the application of the latest developments in technology to further understanding of physical, chemical and biological factors important in cancer treatment

Dr Edwin Aird, physicist in charge, hopes to give a Powerpoint introductory preamble when he will talk about pre planning scanning diagnosis, physics planning suite of 3D computers, image guided radiotherapy, etc.

Where possible, we will see CAT (Computerised Axial Tomography), PET (Positron Emission Tomography) and MRI (Nuclear Magnetic Resonance Imaging) equipment, X-ray machines, and the latest linacs (linear electron accelerators).



The address is the Mount Vernon Hospital, Rickmansworth Rd., Northwood, Middlesex, HA6 2RN  
01923 844 283

## **Getting there**

### **By car**

Parking is limited and costs £2.50 on leaving. The best car park entrance is via White Hill.

### **By train**

Board a Chiltern Railways train either to Rickmansworth and get on a R21 bus to the hospital or to Denham station and get on a 331 or R21 bus to the hospital.

### **By Underground**

Board a Metropolitan line train to Northwood station and get on an 8 (8A, 8B), 282, 331 or H11 from the station to the hHospital. Alternatively stay on the train and get off at Rickmansworth station, and get on the R21 bus.

### **By bus**

The following buses stop at Mount Vernon Hospital:

8 (8A, 8B, 8C): (Mount Vernon - Watford/Garston)

282: (Mount Vernon - Eastcote - Ealing Hospital)

331: (Ruislip - Harefield - Uxbridge)

H11: (Mount Vernon -Harrow)

R21: (Mount Vernon - Uxbridge)

The visit will start at 15:00 and last until 17:00. Numbers are limited to 20. Please meet in the hospital restaurant inside the main entrance door at 14:30.

While there is no charge for the visit, if you would like to make a financial contribution to the Institute, you can do so by ringing 01923-828611 and making the amount payable to Fundraising, Gray Cancer Institute.