**Course Venue:** Oxford University Anatomy Lab and Sherrington library lecture theatre, Oxford University, UK
Oxford Subcortical 3D Anatomy and White Fibre Dissection Course,
21\textsuperscript{st} to 23\textsuperscript{rd} March 2016

**PURPOSE AND CONTENT:**
This is the 1\textsuperscript{st} White Fibre dissection course in the UK. It is a comprehensive course covering the cortical and subcortical white fibre anatomy in 3D with lectures and hands on cadaver dissections. The course will cover clinical applications of DTI during awake surgery for intrinsic gliomas and deep brain stimulation. Each participant has a cadaver brain and one Medtronic planning station with the StealthViz/DTI planning software.

**COURSE DIRECTOR:**

*Mr Puneet Plaha MS MD FRCS (SN)*, Consultant Neuro oncology surgeon
Oxford University Hospitals

**FACULTY:**

*Mr Puneet Plaha*  
Consultant Neuro oncology surgeon, University Hospital, Oxford

*Prof Stefan Wolfsberger*  
Dept. of Neurosurgery, University of Vienna

*Dr Juan Martino*  
Dept. of Neurosurgery, Hospital University Marqués de Valdecilla

*Dr Pablo Gonzalez*  
Dept. of Neurosurgery, Hospital University of Alicante

*Mr Richard Stacey*  
Dept. of Neurosurgery, University Hospital, Oxford

*Mr Sanjeeva Jeyaretna*  
Dept. of Neurosurgery, University Hospital, Oxford

*Dr Aygul Wurzer*  
Dept. of Neurosurgery, University of Vienna

*Dr Natalie Voets*  
Senior Research Fellow, FMRIB Imaging centre, University of Oxford.

*Mr Alex Green*  
Dept. of Neurosurgery, University of Oxford

**COURSE SUPERVISORS:**

*Vivien Shaw* (Anatomy Lab in charge, University of Oxford), *Medtronic StealthViz team*
COURSE PROGRAM:

**DAY-1: Monday, 21st March 2016**

12:00 noon - Registration and Lunch

12:45 pm - Welcome address – **Puneet Plaha**
1:00 pm - 3-D Cortical surface and sulci anatomy – **Richard Stacey/Sanjeev Jeyaretna**
1:45 pm - Principles of Diffusion Tractography – **Natalie Voets**
2:15 pm - Applications of DTI in Neurosurgery – **Puneet Plaha**
3:00 pm - Coffee Break

3:15 pm - Hands on Lab Dissection - Cortical sulci and Gyri – **Stefan Wolfsberger and faculty**
4:45 pm - Coffee Break

5:00 – 6:00 pm – Medtronic StealthViz - Basics and brain segmentation – **Aygul Wurzer and faculty**

7:30 pm - Dinner at Malmaison, Oxford

**DAY-2: Tuesday, 22nd March 2016**

8:00 am - 3-D Lateral Hemisphere and Subcortical anatomy – **Juan Martino**
9:30 am - Coffee break

9:45 am - Hands on Lab Dissection – Lateral surface and subcortical – **Juan Martino and faculty**
12:00pm - Lunch

1:00pm - Medial Hemisphere and Subcortical anatomy - **Stefan Wolfsberger**
1:45pm - Hands on Lab Dissection – Medial surface and subcortical – **Stefan Wolfsberger and faculty**
3:45 pm - Coffee Break

4:00 – 5:30 pm Medtronic StealthViz - Subcortical fibre tract reconstruction – **Puneet Plaha and Aygul Wurzer**

7:00- 9:30 pm – Course Dinner, Exeter College Dining Hall, Oxford University

**DAY-3: Wednesday, 23rd March 2016**

8:00 am - 3-D Diencephalic and Brain stem Fibre tracts - **Pablo Gonzalez**
9:00 am - 3-D Phylogenetic evolution of Human White Matter and surgical implications - **Pablo Gonzalez**
9:45 am - Deep brain stimulation and DTI – **Alex Green**
10:15 am - Coffee Break

10:30 am - Lab dissection – Diencephalic and brainstem Fibre tracts dissection – **Pablo Gonzalez and faculty**
1:00 pm - Lunch

2:00 pm - Medtronic StealthViz - Subcortical Fibre tract reconstruction – **Puneet Plaha and Aygul Wurzer**

3:30 pm - Closing Remarks and Feedback – **Puneet Plaha**
APPLICATION:
The workshop is limited to 10 participants. For application of attendance please email Puneet.Plaha@ouh.nhs.uk

WORKSHOP AND COURSE FEE:
Each participant £1200
This includes lectures, materials, cadaver workshop, DTI workstations and meals including course dinner.

COURSE LANGUAGE:
English

ACCOMODATION:
Address: Malmaison, Oxford Castle, 3 New Rd, Oxford OX1 1AY
Set in a former prison within a medieval castle, this sophisticated hotel is adjacent to Nuffield College and an 8-minute walk from the University Anatomy department.