

Tumour Tissue Assessment for Molecular Testing

Theory and Practice within Histopathology and Cytology

Course Ref: OTH-TTA-1126

Friday 13th November 2026

Wakefield

**Further information and application forms for any of our courses are available
from our Administration Team:**

Administration: Telephone 0113 246 6330

www.nepsec.org.uk

Director: Dr Panagiota Kitsanta FRCPath

Training Centre Manager: Peter Heptinstall PG Cert MSc CSci FIBMS

Tumour Tissue Assessment for Molecular Testing : Theory and Practice within Histopathology and Cytology

As the use of genomic testing increases across cellular pathology, there is greater demand for assessment of tumour content to determine the optimal test(s) to use and interpretation of the result.

Tumour tissue contains both tumour and non-tumour cells in varying proportions. Tumours are also heterogenous, with some areas more relevant for a given test than others. For this reason, the specific region of the tumour that nucleic acids are extracted from must be assessed to ensure that it contains sufficient tumour cells for genomic analysis.

This course has been developed for histopathologists, clinical scientists and biomedical scientists involved in the selection and assessment of tumour samples for genomic testing.

Learning Outcomes:

On completion of the course participants should:

- Understand the key reasons why we're undertaking more genomic testing of solid tumours
- Understand where this is changing how tissue samples are collected and processed
- Know about the various assessments we make, why we do it, and how these influence the test that we select
- Understand how tissue assessment impacts on the clinical interpretation of the result
- Understand how existing lab protocols may need to be adapted to ensure the right samples are submitted for genomic testing
- Be able to perform tumour tissue assessment for genomic testing via a practical session and review of knowledge

Course Venue:

NEPSEC, Unit 3 Wakefield Office Village, Fryers Way Silkwood Park, Wakefield WF5 9TJ

The centre is situated in a commercial site in Silkwood Park close to Junction 40 of the M1. We are 20 miles from Leeds Bradford airport, 13 miles from Leeds City railway station and just 2 miles from both Wakefield railway stations.

Should accommodation be required there are a number of hotels within either walking distance or a very short drive.

Car parking is available on site.

The faculty includes:

Dr Nick West	Consultant Pathologist & Clinical Co-lead for Pathology, North East & Yorkshire Genomic Laboratory Hub
Dr Bipin Mathew	Consultant Pathologist & Clinical Co-lead for Pathology, North East & Yorkshire Genomic Laboratory Hub
Dr Eldo Verghese	Consultant Pathologist & Clinical Co-lead for Pathology, North East & Yorkshire Genomic Laboratory Hub
James Bean	Advanced Practitioner, Histopathology, Leeds General Infirmary
Magdalena Mazurek	Senior Biomedical Scientist, Leeds Teaching Hospitals NHS Trust

Cost: £250; lunch, tea & coffee are included

NHS BMS Participants attending from North West, East Midlands, West Midlands and North East, Yorkshire and Humber NHS regions will incur a £15 administration fee only).

Further details and an application form are available from our administration team

Email: sht-tr.nepsec@nhs.net

Telephone: 0113 246 6330

COURSE PROGRAMME

09:00 Registration and welcome

09:15 Lecture - Tumour tissue assessment: types of assessments made, how these influence the test undertaken and impact on the clinical interpretation of the result.

Nick West, Bipin Mathew & Eldo Verghese

11:15 Break

11:30 Lecture - Changes to tissue collection, processing and sample preparation - standard protocols

Magdalena Mazurek

12:15 Lunch

12:45 Quality assurance: Tissue-i EQA and past examples

James Bean

13:15 Practical session - How to assess tumours

Nick West

13:30 Practical session - Slide viewing

15:30 Break

15:45 Review of practical session slides

Nick West

17:00 Close