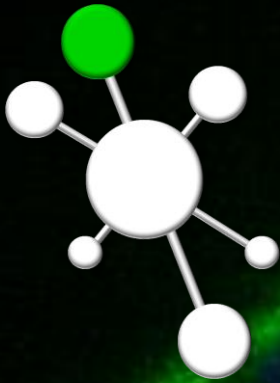




The University of  
**Nottingham**

UNITED KINGDOM · CHINA · MALAYSIA



Nottingham Molecular Pathology Node  
& The Pathological Society of Great Britain & Ireland

# Molecular Diagnostics Training School 2020

**Pathological Society**

*Understanding Disease — Guiding Therapy*



# Course Overview

Diagnostic Molecular Pathology is the interrogation of tissue-derived molecules (DNA / RNA / protein) to provide clinically useful information adjunctive to routine histopathological examination.

The Nottingham Molecular Pathology Node (NMPN), supported by The Pathological Society of Great Britain and Ireland, will run the Molecular Diagnostics Training School (MDTS) in September 2020 which aims to:

- Teach the theory and utility / limitations of commonly used tests
- Provide a comprehensive overview of the current use of molecular diagnostics

The course is suitable for Trainee and Consultant Pathologists with little or no experience of diagnostic molecular pathology and for non-clinical scientists (who may have some experience with molecular testing) who wish to learn more about the clinical application of molecular diagnostics. Teaching will be delivered in the form of formal didactic lectures, interactive tutorials and problem-solving exercises.

This year, for the first time, the course will be delivered entirely online.

**Dates:** Monday 28<sup>th</sup> September – Wednesday 30<sup>th</sup> September 2020  
(with optional free of charge introductory session on Sunday 27<sup>th</sup> September)

**Format:** The course will be offered entirely online, with a blend of live lectures, Q&A sessions and interactive elements.

**CPD:** This course has been awarded 17 CPD points from the Royal College of Pathologists. You will receive your certificate via email following the event.

# Registration Options

We've introduced flexible booking options to allow you to attend all, or just part of the event.

## Full course registration £75

Monday 28<sup>th</sup>, Tuesday 29<sup>th</sup> & Wednesday 30<sup>th</sup> September 2020. This allows you access to all 3 days of the course. Not only that, but you'll also receive:

- Access to recordings of all the lectures from the course\*
- Access to resources from our MRes in Molecular Diagnostics, Bioinformatics and Diagnostics\*
- A free place on our Image Analysis Training School (IATS) also taking place online, on Thursday 1<sup>st</sup> & Friday 2<sup>nd</sup> October.

## Registration per day: £25 per day

This option allows you to attend the days most relevant to you, or which fit in with your availability. You'll also receive

- Access to recorded lectures from the day(s) you attend\*

(\* You will receive access to these resources or 1 year from the 8<sup>th</sup> October 2020).

[Click here to be taken to our secure online store](#)

# Programme

## Sunday 27<sup>th</sup> September: Pre-course introductory session

This is an optional session. You will be given the opportunity to opt in or out when booking.

**14:00** **The Highs / Lows and Data Interpretation of PCR**  
Prof Mohammad Ilyas - University of Nottingham

**15:30** **Bioinformatics for Beginners**  
Dr Isioma Egbuniwe - University of Nottingham

## Monday 28<sup>th</sup> September: Tissue Interrogation

**08:55** **Introduction**  
Prof Mohammad Ilyas - University of Nottingham

**09:00** **Interpretation of PCR Data**  
Prof Mohammad Ilyas - University of Nottingham

**09:30** **The Highs / Lows and Data Interpretation of Sequencing**  
Dr Susan Richman - St James University Hospital, Leeds

**11:00** **Comfort break**

**11:30** **The Highs / Lows and Data Interpretation of In-Situ Hybridisation**  
Kate Martin - Nottingham University Hospitals NHS Trust

**13:00** **Lunch break**

**14:00** **Chromogenic In-Situ Hybridisation**  
Dr Elizabeth Soilleux - Department of Pathology, University of Cambridge

**14:30** **The Liquid Biopsy**  
Dr Karen Page - University of Leicester

**15:00** **NEQAS: Ensuring Standards in Molecular Diagnostics**  
Dr Jenni Fairley - UK NEQAS

**15:30** **Comfort break**

**16:00** **NGS - Principles & Platforms**  
Prof Mohammad Ilyas - University of Nottingham

# Tuesday 29th September: Tissue Interrogation

**08:30** **Day 1 recap (optional)**  
Prof Mohammad Ilyas - University of Nottingham

**09:00** **NGS - Expression Analysis**  
Dr Christine Blancher - University of Oxford

**09:30** **NGS - Worked Examples**  
Prof Richard Emes - University of Nottingham

**10:00** **NGS - Interpreting the Data**  
Dr Tania Dottorini - University of Nottingham

**10:30** **Comfort break**

**11:00** **Nanopore Technology**  
Nadine Holmes - University of Nottingham

**11:30** **NGS: Is it a Mutation or Not?**  
Dr Rachel Butler - North Bristol NHS Trust

**12:30** **Industrial presentation**

**12:45** **Lunch break**

**13:45** **Industrial presentation**

**14:00** **Mass Spectrometry Imaging**  
Dr Kristina Schwamborn - Institute of Pathology, TU Munich

**14:30** **Digital Pathology**  
Dr Peter Hamilton - Philips Digital Pathology

**15:30** **Comfort break**

**16:00** **Rubbish In=Rubbish Out: The Importance of Template**  
Dr Abhik Mukherjee - University of Nottingham

**16:30** **Molecular Diagnostics in Skin Cancers**  
Dr Asok Biswas - University of Edinburgh

**17:15** **Day 2 recap (optional)**

# Wednesday 30th September: Applied Molecular Diagnostics

**09:00** **Molecular Diagnostics in CNS Cancers**  
Dr Zane Jaunmuktane - UCL Queen Square Institute of Neurology

**09:45** **Molecular Diagnostics in Lymphoid Cancers**  
Prof Ming Du - University of Cambridge

**10:30** **Comfort break**

**11:00** **Molecular Diagnostics in Lung Cancers**  
Prof William Wallace - University of Edinburgh

**11:45** **Molecular Diagnostics in Gynaecological Cancers**  
Prof Simon Herrington - University of Edinburgh

**12:30** **Lunch break**

**13:30** **Molecular Diagnostics in Male Genitourinary Cancers**  
Prof Clare Verrill - University of Oxford

**14:15** **Molecular Diagnostics and Immuno-Oncology**  
Prof Gareth Thomas - University of Southampton

**15:00** **Comfort break**

**15:30** **Molecular Diagnostics in Breast Cancers**  
Prof Emad Rakha - University of Nottingham

**16:15** **Molecular Diagnostics in Gastrointestinal Cancers**  
Dr Abhik Mukherjee - University of Nottingham

**17:00** **Molecular Diagnostics in Mesenchymal Cancers**  
Dr Nischalan Pillay - UCL Cancer Institute

**17:45** Day 3 Optional recap and close

## Get in touch

**Email** [MS-NMPN@nottingham.ac.uk](mailto:MS-NMPN@nottingham.ac.uk)

**Web** [www.NMPN.info](http://www.NMPN.info)