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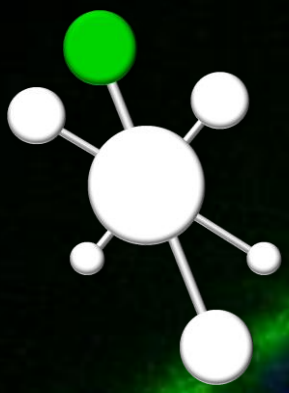

Nottingham Molecular Pathology Node

& 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 28th September – Wednesday 30th September 2020
(with optional free of charge introductory session on Sunday 27th 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 28th, Tuesday 29th & Wednesday 30th 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 1st & Friday 2nd 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 8th October 2020).

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Programme

Sunday 27th 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 28th 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

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Web	**www.NMPN.info**