Nottingham Molecular Pathology Node

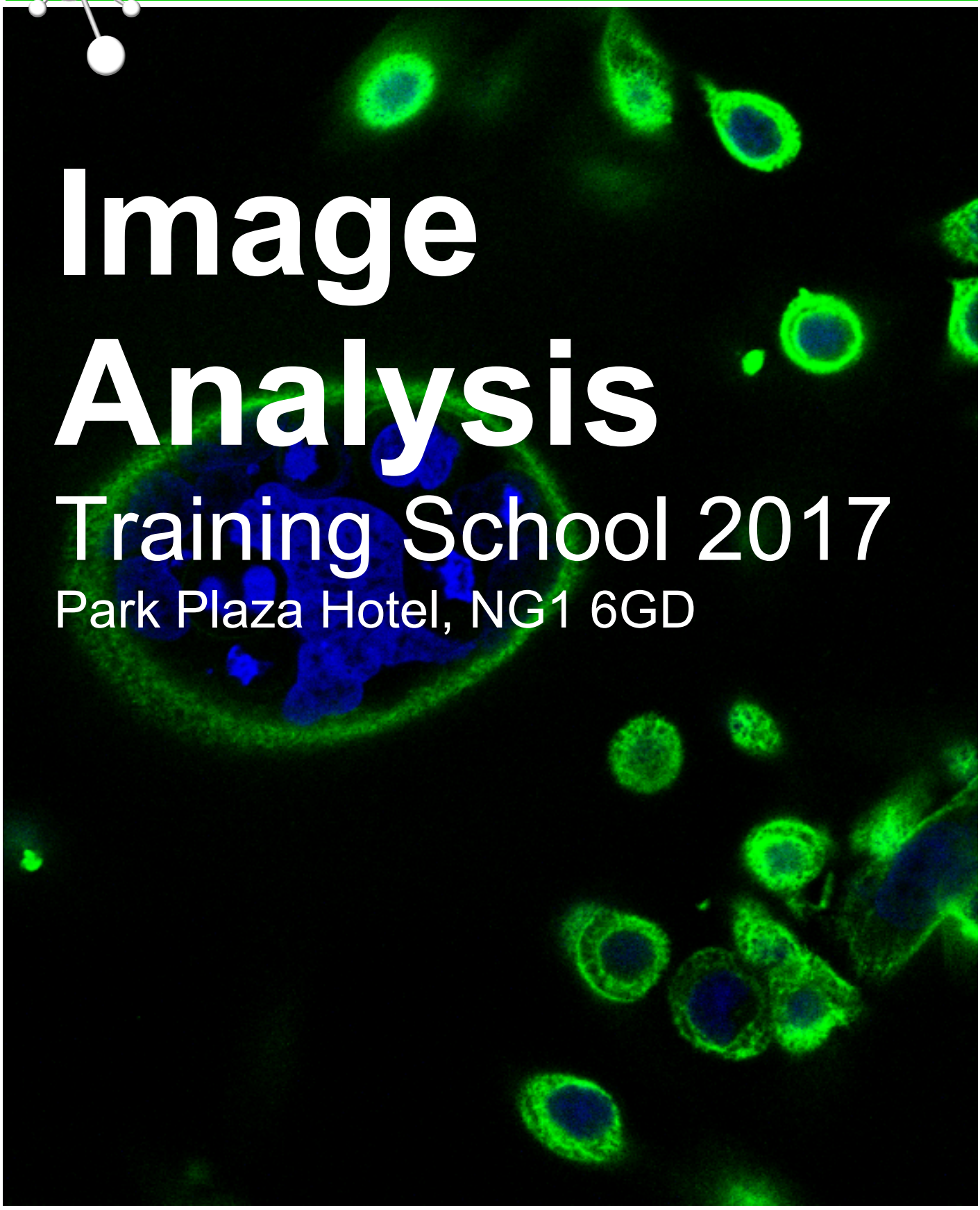

Image Analysis

Training School 2017

Park Plaza Hotel, NG1 6GD

Overview

Digital pathology aided by robust image analysis techniques has made great inroads in both diagnostics and research in histopathology. The implementation of whole slide scanning and advances in software and computer processing capacity has profoundly impacted not only routine clinical diagnosis but also molecular testing including bio-banking, molecular profiling and companion diagnostic development. The Nottingham Molecular Pathology Node (NMPN), supported by AidPath, will run the first residential training school in Image Analysis which will aim to:

- Provide a comprehensive overview of the current use of image analysis in pathology diagnosis and research including practical examples
- Address how potential problems in image analysis can be resolved
- How digital pathology can be integrated in the work-stream

The course is suitable for Trainee and Consultant Pathologists with little or no experience of image analysis and for non-clinical scientists/computer experts (who may have some experience with digital platforms) wishing to learn more about the techniques and application of image analysis. Teaching will be delivered in the form of formal lectures and interactive work projects. The programme has been awarded xxx CPD points by the Royal College of Pathologists.

Registration & Fees

WITH accommodation at the Park Plaza Hotel	305
WITHOUT accommodation at the Park Plaza Hotel	200

Booking terms and conditions:

- Cancellations must be received via email to MS-NMPN@nottingham.ac.uk by no later than 12.00pm on 9th September 2017.
- All refunds are subject to a £20 administration fee.
- Any cancellations received after 12.00pm on 9th September 2017 will not be refunded.

Programme

Day One: Thursday 21st September

Digital pathology and image analysis

08:55	Introduction	A Mukherjee: University of Nottingham, UK
09:00	Image Analysis in Digital Pathology: What are the main challenges?	G Bueno: UCLM, Ciudad Real, Spain
09:45	From 2D to 3D: Principles of Stereology	A Rasmusson: VUHSK, Vilnius, Lithuania
10:30	Case study: Ki67	A Laurinavicius: VUHSK, Vilnius, Lithuania
11.00	Tea & coffee	
11:30	Segmenting epithelium in H&E stained sections.	N Rajpoot: University of Warwick, UK
12:15	Quantifying immunohistochemistry	G Landini: University of Birmingham
13:00	Lunch	
14:00	Assessing Multiple biomarkes using Histogenic Molecular Mapping	A Pitiot: Illixa and TG
14:45	Managing Tissue Microarrays	TBC
15:30	Tea / Coffee	
16:00	Image analysis: practical session Industrial presentations Delegate work projects	D Pilutti: UNIUD and TG
18:00	Close	

Day Two: Friday 22nd September

Digital pathology and diagnostic service

09:00	Introduction to digital pathology (including digital slide workflow)	M Ilyas: University of Nottingham, UK
10:00	Basics of digital imaging	V Della Mea: University of Udine, Italy
10:30	Tea & coffee	
11:00	Scanner technology	TBD

12:00	Image quality: issues, techniques and assessment metrics	A Jimenez: UCLM, Ciudad Real, Spain
13:00	Lunch	
14:00	Interoperability: Technical standards	D De Mena Garcia: SESCAM, Spain
15:00	Strategies and demands for digital pathology workflow integration	L Pantanowitz: UPMC, Pittsburgh, USA
16:00	Tea & coffee	
16:30	Industrial presentation Practical session Delegate work projects	TBC
17:00	A European Digital Pathology Consortium?	M Ilyas: Nottingham University, UK
17:05:	Close	

Get in touch

	www.NMPN.info
	MS-NMPN@nottingham.ac.uk