



# Belfast Pathology 2017

10<sup>th</sup> Joint Meeting of the British Division of the International Academy of Pathology and the Pathological Society of Great Britain & Ireland  
**20 – 23 June 2017**

**Hosted by**

Northern Ireland Molecular Pathology Laboratory  
Centre for Cancer Research and Cell Biology  
Queen's University Belfast • Department of Tissue Pathology  
Belfast Health and Social Care Trust

**Venue**

Belfast Waterfront, 2 Lanyon Place, Belfast BT1 3WH

**Companion Sessions**

AIDPATH • Association of Clinical Electron Microscopists  
British Association of Cytopathology  
British Association of Gynaecological Pathology  
British Association of Urological Pathologists  
Dutch Irish English (DIE) Cardiac Group • Renal EQA  
Renal Transplant EQA • 100,000 Genomes Project



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Refer to [www.path.org.uk](http://www.path.org.uk) for Abstract Listings: ▶ Invited Speakers ▶ Plenary Oral and Oral ▶ Posters

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## PROGRAMME ACKNOWLEDGEMENTS

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### COVER PHOTOGRAPHS

**Front** — **Top:** Belfast City Hall <sup>1</sup> **Middle:** Queens University Belfast <sup>2</sup>

**Bottom:** The Titanic Centre <sup>1</sup>

**Back** — **Top:** Belfast Waterfront <sup>1</sup> **Middle four:** Conference and Exhibition facilities <sup>3</sup>

**Bottom left:** The Giant's Causeway <sup>1</sup> **Bottom right:** Belfast Waterfront at night <sup>1</sup>

The publishers wish to thank the following for granting permission to use their photographs:

<sup>1</sup> Northern Ireland Tourist Board <sup>2</sup> Queen's University Belfast <sup>3</sup> Belfast Waterfront

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07.15 ▶pg 24 [Hall 1A/B, Lv 1] <b>Registration and Coffee</b>		
08.00–18.00 ▶pg 24 [Hall 1A/B, Lv 1] <b>Slide Seminar Case Competition Viewing</b>		
08.00–08.55 ▶pg 24 [Rm 1A, Lv 3] <b>Trainees' Breakfast Session: Meet the Experts – Interstitial Lung</b> <i>Light breakfast will be provided</i>		
08.55–11.55 ▶pg 34 [Hall 1D, Lv 1] <b>BAUP Companion Meeting</b>	09.00–11.55 ▶pg 24 [Rm 1A, Lv 3] <b>Symposium: What's New in Interstitial Lung Disease</b>	08.55–11.55 ▶pg 25 [Rm 1B, Lv 3] <b>Symposium: Digital and Computational Pathology for Tissue Imaging and Analytics</b>
10.00–10.20 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.20–10.40 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.40–10.55 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
12.00–13.00 ▶pg 28 [Hall 1D, Lv 1] <b>BDIAP Kristin Henry Lecture: Pathological Subtyping of Ovarian and Endometrial Cancers – A Story of Success or Failure</b> Prof WG McCluggage, Belfast		
13.00–14.00 ▶pg 28 [Hall 1A/B, Lv 1] <b>Lunch, Trade Exhibition and Poster Viewing</b>		
13.30–16.50 ▶pg 34 [Hall 1D, Lv 1] <b>BAUP Companion Meeting</b>	14.00–16.25 ▶pg 28 [Rm 1A, Lv 3] <b>Oral Presentations: Gastrointestinal; Technical Advances</b>	14.00–16.55 ▶pg 30 [Rm 1B, Lv 3] <b>Symposium: Molecular Diagnostics for Histopathologists</b>
15.30–15.50 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.00–15.25 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.00–15.15 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
17.00–18.00 ▶pg 33 [Hall 1D, Lv 1] <b>Public Lecture: From Nora Barnacle to Barack Obama – A Personalised Journey Through Precision Medicine</b> Prof M Lawler, Belfast		
19.00–20.15 ▶pg 33 [Belfast City Hall] <b>Welcome Reception and Tours</b> <i>18.30–19.15 Belfast City Hall Tours (at 18.30–19.00 and 18.45–19.15) – places are limited. 19.00–20.15 Welcome Reception.</i>		

09.00–11.55 ▶pg 35 [Rm 2A, Lv 3] <b>100,000 Genomes Project Companion Meeting</b>	09.15–11.55 ▶pg 26 [Rm 2B, Lv 3] <b>Undergraduate Engagement Forum</b>	09.00–11.55 ▶pg 27 [Rm 3A/B, Lv 3] <b>BAGP Joint Symposium: Hot Topics in Gynaecological Cancer</b>
10.15–10.30 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.30–10.50 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.30–10.55 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
	14.00–17.00 ▶pg 30 [Rm 2B, Lv 3] <b>Undergraduate Engagement Forum</b>	14.00–16.55 ▶pg 32 [Rm 3A/B, Lv 3] <b>BAGP Joint Symposium: The Perils and Pleasures of Biopsy Pathology Reporting</b>
	15.20–15.45 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.20–15.35 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition

08.00 ▶pg 36 [Hall 1A/B, Lv 1] <b>Registration and Coffee</b>		
08.00–18.00 ▶pg 36 [Hall 1A/B, Lv 1] <b>Slide Seminar Case Competition Viewing</b>		
09.00–11.55 ▶pg 36 [Hall 1D, Lv 1] <b>Symposium: Gastrointestinal Pathology</b>	09.00–11.30 ▶pg 37 [Rm 1A, Lv 3] <b>Oral Presentations Cardiovascular/Pulmonary; Cellular/Molecular; Haematopathology; Experimental Tumour Pathology; Neuropathology/Ophthalmic; Osteoarticular/Soft Tissue Skin</b>	09.00–11.55 ▶pg 39 [Rm 1B, Lv 3] <b>Symposium: NGS for Tissue Pathologists</b>
10.20–10.40 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	09.45–10.30 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.40–10.55 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
12.00–12.45 ▶pg 40 [Hall 1D, Lv 1] <b>The Pathological Society's CL Oakley Lecture: <i>Improving Outcomes in Colorectal Cancer – The Importance of Rigorous Pathological Quality Control</i></b> Dr NP West, Leeds		
12.45–14.00 ▶pg 40 [Hall 1A/B, Lv 1] <b>Lunch, Trade Exhibition and Poster Viewing</b>		
14.00–17.00 ▶pg 41 [Hall 1D, Lv 1] <b>Symposium: Hepatobiliary</b>	14.00–16.45 ▶pg 43 [Rm 1A, Lv 3] <b>Oral Presentations Breast; Gynaecological</b>	14.00–17.00 ▶pg 45 [Rm 1B, Lv 3] <b>Symposium: Journal of Pathology ARI – Genetics of Disease</b>
15.35–16.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.15–15.45 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.30–16.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
17.00–18.30 ▶pg 46 [Hall 1A/B, Lv 1] <b>Poster Viewing and Chairman's Rounds</b>		

	09.00–11.55 ▶pg 39 [Rm 3B, Lv 3] <b>Symposium: Dermatopathology</b>	09.00–16.00* ▶pg 47 [Rm 2A, Lv 3] <b>AIDPATH Project Companion Meeting Digital Pathology: Cancer Microenvironment Image Analytics</b>
	10.20–10.35 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.15–10.40 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
		12.15–13.30 [Hall 1A/B, Lv 1] Lunch, Trade Exhibition and Poster Viewing
13.15–13.55 ▶pg 40 [Rm 1A, Lv 3] <b>Cirdan Imaging – Lunchtime Lecture: <i>Why the Industry is Swinging Back to 'Best of Breed' Laboratory Information Systems</i></b> Dr H Cormican, Cirdan Imaging		
14.00–17.00 ▶pg 41 [Rm 3A, Lv 3] <b>Symposium: Head and Neck</b>	14.00–17.00 ▶pg 42 [Rm 3B, Lv 3] <b>Symposium: Haematopathology</b>	
15.30–16.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.35–16.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	15.30–16.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
		* 1600 onwards Closed Meeting of AIDPATH Management

<b>07.45 ▶pg 49 [Hall 1A/B, Lv 1]</b> <b>Registration and Coffee</b>	
<b>08.00–18.00 ▶pg 49 [Hall 1A/B, Lv 1]</b> <b>Slide Seminar Case Competition Viewing</b>	
<b>08.30–12.00 ▶pg 49 [Hall 1D, Lv 1]</b> <b>Symposium: Breast</b>	<b>08.30–13.00 ▶pg 52 [Rm 1B, Lv 3]</b> <b>Symposium: Renal Pathology</b> <i>Including Renal Pathology EQA and Renal Transplant EQA</i>
10.00–10.20 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	10.30–11.00 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
<b>13.00–14.00 ▶pg 53 [Hall 1A/B, Lv 1]</b> <b>Lunch, Trade Exhibition and Poster Viewing</b>	
<b>14.00–16.25 ▶pg 54 [Hall 1D, Lv 1]</b> <b>Plenary Oral Presentations</b>	
15.00–15.25 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition	
<b>16.30–17.15 ▶pg 55 [Hall 1D, Lv 1]</b> <b>The Pathological Society's Doniach Lecture:</b> <b><i>Fields of Carcinogenesis in Breast and Oesophagus</i></b> Dr JJ Going, Glasgow	
<b>19.30–23.00 ▶pg 55 [Titanic Suite, Titanic Belfast]</b> <b>Conference Dinner</b> including musical entertainment	

<b>09.00–11.15 ▶pg 50 [Rm 1A, Lv 3]</b> <b>Oral Presentations</b> <i>Technical Advances;</i> <i>Gastrointestinal;</i> <i>Cellular/Molecular Pathology</i>		<b>09.00–11.50 ▶pg 50 [Rm 3B, Lv 3]</b> <b>Symposium:</b> <b><i>Cancer Immunology for TPs</i></b> Sponsored by Advanced Cell Diagnostics
10.00–10.30 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition		10.20–10.40 [Hall 1A/B, Lv 1] Refreshment Break and Trade Exhibition
<b>13.15–14.00 ▶pg 53 [Rm 1A, Lv 3]</b> <b>Trainees' Meet The Experts:</b> <b><i>Placental Pathology for the Generalist</i></b> Prof NJ Sebire, London Separate lunch will be provided	<b>12.00–13.00 ▶pg 53 [Rm 2A, Lv 3]</b> <b>The Pathological Society's Annual General Meeting</b>	

<b>08.00</b> ▶pg 56 [Room to be confirmed] <b>Registration and Coffee</b>	
<b>09.00–12.00</b> ▶pg 57 [Rm 1B, Lv 3] <b>Trainees' Symposium:</b> <b>Autopsy</b>	<b>09.00–13.00</b> ▶pg 56 [Rm 3A/B, Lv 3] <b>Symposium:</b> <b>Digital Pathology for Clinical Diagnostics:</b> <b>Drivers for Change</b>
10.20–10.40 [Room to be confirmed] Refreshment Break	11.00–11.15 [Room to be confirmed] Refreshment Break
<b>12.00–13.00</b> ▶pg 58 [Room to be confirmed] <b>Trainees' Network Lunch</b> Separate lunch will be provided	<b>12.00–13.00</b> ▶pg 58 [Room to be confirmed] <b>Lunch</b>
<b>13.00–14.30</b> ▶pg 58 [Rm 1B, Lv 3] <b>Trainees' Session:</b> <b>Slide Seminar Discussion</b>	
<b>14.30–14.30</b> ▶pg 59 [Room to be confirmed] <b>Refreshments</b>	
<b>14.50–15.30</b> ▶pg 59 [Room to be confirmed] <b>Trainees' Lecture:</b> <b>How to Train in Molecular Pathology</b> Prof M Salto-Tellez, Belfast	
<b>17.00</b> End of Conference	

<b>09.50–16.30</b> ▶pg 61 [Rm 1A, Lv 3] <b>COMPANION MEETING</b> <b>British Association for</b> <b>Cytopathology</b> <b>(BAC)</b> <b>Interventional</b> <b>Cytopathology</b>	<b>09.00–17.00</b> ▶pg 60 [Rm 2A, Lv 3] <b>COMPANION MEETING</b> <b>Association of Clinical</b> <b>Electron Microscopists</b> <b>(ACEM)</b>	<b>09.00–17.00</b> ▶pg 62 [Rm 2B, Lv 3] <b>COMPANION MEETING</b> <b>DIE Cardiac Group Meeting</b>
	10.30–11.00 [Room to be confirmed] Refreshment Break	11.00–11.30 [Room to be confirmed] Refreshment Break
12.00–13.00 [Room to be confirmed] Lunch	12.20–13.30 [Room to be confirmed] Lunch	13.00–14.00 [Room to be confirmed] Lunch
15.00–15.30 [Room to be confirmed] Refreshment Break	15.00–15.30 [Room to be confirmed] Refreshment Break	15.30–16.00 [Room to be confirmed] Refreshment Break

## COMPANION MEETINGS AND SATELLITE SESSIONS

## Tuesday 20 June

- 09.00–11.55 [Room 2A – Level 3]  
100,000 Genomes Project
- 09.00–16.55 [Room 3A – Level 3]  
Joint Symposium with BAGP  
(British Association of Gynaecological Pathologists)
- 09.00–16.50 [Hall 1D – Level 1]  
BAUP (British Association of Urological Pathologists)

## Wednesday 21 June

- 09.00–17.00 [Room 2A – Level 3]  
The AIDPATH Project — *Digital Pathology: Cancer Microenvironmental Image Analytics*

## Thursday 22 June

- 08.30–13.00 [Room 1B – Level 3]  
Renal Pathology EQA and Renal Transplant EQA

## Friday 23 June

- 09.00–17.00 [Room 2A – Level 3]  
ACEM (Association of Clinical Electron Microscopists)
- 09.00–16.30 [Room 1A – Level 3]  
BAC (British Association for Cytopathology)
- 09.00–17.00 [Room 2B – Level 3]  
DIE Cardiac Pathology Group

## KEYNOTE AND NAMED LECTURES [Hall 1D – Level 1]

## Tuesday 20 June

- 12.00–13.00 **Kristin Henry Lecture:** *Pathological Subtyping of Ovarian and Endometrial Cancers – A Story of Success or Failure?*  
Prof WG McCluggage, Belfast
- 17.00–17.50 **Public Lecture:** *From Nora Barnacle to Barack Obama – A Personalised Journey Through Precision Medicine.*  
Prof M Lawler, Belfast

## Wednesday 21 June

- 12.00–12.45 **CL Oakley Lecture:** *Improving Outcomes in Colorectal Cancer – The Importance of Rigorous Pathological Quality Control.*  
Dr NP West, Leeds

## Thursday 22 June

- 16.30–17.15 **Doniach Lecture:** *Fields of Carcinogenesis in Breast and Oesophagus.*  
Dr JJ Going, Glasgow

## ORAL PRESENTATIONS [Room 1A – Level 3]

Sessions will be held as follows:

- Tuesday 20 June 14.00–16.25  
Wednesday 21 June 09.00–11.30 and 14.00–16.45  
Thursday 22 June 09.00–11.15

**Note to presenters:** Speakers are reminded that no communication may exceed the time allocated on the programme without the consent of the meeting, obtained through the Chairman.

## PLENARY ORAL SESSION [Hall 1D – Level 1]

The eight highest-ranked submitted oral abstracts will be presented on Thursday 22 June, 14.00–16.25.

**Prize:** A prize of a case of champagne and a monetary prize will be given for the best presentation, donated by the *Journal of Pathology*, to be presented at the Conference Dinner on Thursday 22 June — *at the discretion of the winner, by tradition, the champagne is shared amongst those present at the dinner!*

## POSTERS, VIEWING AND CHAIRMAN'S ROUNDS [Hall 1A/B – Level 1]

## Poster Size

Poster boards will be size A0 portrait (1189 mm x 841 mm). Please do not exceed these dimensions. Fixings will be provided.

For information on the poster printing service visit: [www.path.org.uk](http://www.path.org.uk)

## Viewing

Delegates are encouraged to visit the posters during break times and lunchtimes as well as during the official rounds.

## Formal Poster Viewing, Chairman's Rounds and Drinks Reception

Wednesday 21 June 17.00–18.30

Poster round chairs will be circulating during these times to select the winners of the following prizes.

## Prizes

**BDIAP Poster Prizes:** Awarded for the best 3 posters relevant to Diagnostic Pathology.

**Pathological Society:** The Pathological Society's Sir Alastair Currie Prize and Second and Third poster prizes.

**Cambridge University Press:** Have donated some book token prizes.

All winners will be announced at the Conference Dinner on Thursday 22 June.

## Note to presenters

Ideally, posters should be in place by 09.00 hrs on Tuesday 20 June and must be removed by 15.25 hrs on Thursday 22 June.

**Presentation**

The presenting author (or another contributor) must attend the meeting and present the poster during the allocated poster rounds in order for the abstract to be published in the *Journal of Pathology On-Line Supplement* after the meeting.

**SLIDE SEMINAR COMPETITION VIEWING AND SESSION****Viewing Virtual Slides** [Hall 1A/B – Level 1]

Slides images will be available for viewing on:

Tuesday 20 June	08.00–18.00
Wednesday 21 June	08.00–18.00
Thursday 22 June	08.00–18.00 ( <i>Please note the competition closes at 16.00 on Thu 22 June</i> )

**Competition**

There will be a slide competition using slide images, which will be available during the days/times shown above and will be available online in advance of the meeting.

**Prize**

A £250 Amazon Voucher. The winner will be announced at the Conference Dinner on Thursday 22 June.

**Competition Case Discussion Session** [Room 1B – Level 3]

Friday 23 June	13.00–14.30
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**SYMPOSIA****Tuesday 20 June**

09.00–11.55	[Room 1A – Level 3] <i>What's New in Interstitial Lung Disease</i>
09.00–11.55	[Room 1B – Level 3] <i>Digital and Computational Pathology for Tissue Imaging and Analytics</i>
09.00–11.55	[Room 3A/B – Level 3] <i>BAGP Joint Symposium: Hot Topics in Gynaecological Pathology</i>
14.00–16.55	[Room 3A/B – Level 3] <i>BAGP Joint Symposium: The Perils and Pleasures of Biopsy Pathology Reporting</i>
14.00–16.55	[Room 1B – Level 3] <i>Molecular Diagnostics for Histopathologists</i>

**Wednesday 21 June**

09.00–11.55	[Hall 1D – Level 1] <i>Gastrointestinal Pathology</i>
09.00–11.55	[Room 1B – Level 3] <i>NGS for Tissue Pathologists</i>
09.00–11.55	[Room 3B – Level 3] <i>Dermatopathology</i>

**Wednesday 21 June** — *continued*

14.00–17.00	[Hall 1D – Level 1] <i>Hepatobiliary Pathology</i>
14.00–17.00	[Room 1B – Level 3] <i>Journal of Pathology: ARI-Genetics of Disease</i>
14.00–17.00	[Room 3A – Level 3] <i>Head and Neck</i>
14.00–17.00	[Room 3B – Level 3] <i>Haematopathology</i>

**Thursday 22 June**

08.30–12.00	[Hall 1D – Level 1] <i>Breast Pathology</i>
08.30–13.00	[Room 1B – Level 3] <i>Renal Pathology including Renal EQA and Renal Transplant EQA</i>
09.00–12.00	[Room 3B – Level 3] <b>Sponsored by Advanced Cell Diagnostics</b> <i>Cancer Immunology for TPs</i>

**Friday 23 June**

09.00–13.00	[Room 3A/B – Level 3] <i>Digital Pathology for Clinical Diagnostics: Drivers for Change</i>
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**TRAINEES PROGRAMME****Tuesday 20 June**

08.00–08.55	[Room 1A – Level 3] Breakfast Session: <i>Meet the Experts – Interstitial Lung</i> <i>Light breakfast will be provided.</i>
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**Thursday 22 June**

13.15–14.00	[Room 1A – Level 3] <i>Meet the Experts – Placental Pathology for the Generalist</i> <i>Separate lunch will be provided.</i>
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**Friday 23 June**

09.00–12.00	[Room 1B – Level 3] Trainees' Symposium: <i>Autopsy</i>
12.00–13.00	[Room to be confirmed] Trainees' Network Lunch <i>Separate lunch will be provided.</i>
13.00–14.30	[Room 1B – Level 3] Trainees' Slide Seminar Discussion
14.50–15.30	[Room 1B – Level 3] Lecture: <i>How to Train in Molecular Pathology</i> Prof M Salto-Tellez



**UNDERGRADUATE DAY****Tuesday 20 June**

09.15–17.00 [Room 2B – Level 3]

*Undergraduate Day***CONTINUING PROFESSIONAL DEVELOPMENT (CPD)****ROYAL COLLEGE OF PATHOLOGISTS**

The Royal College of Pathologists has approved the Conference as detailed below. This is for the main Conference only and therefore for the BAUP, BAC and DIE Meetings delegates should refer to their individual programmes for CPD information.

**Full Day\***

Tuesday 20 June	7 credits
Wednesday 21 June	6 credits
Thursday 22 June	6 credits
Friday 23 June	6 credits
BAUP Meeting (Tuesday)	8 credits
BAC Meeting (Friday)	5 credits
DIE Meeting (Friday)	6 credits

\* The Society is not permitted to issue certificates for less than full day attendance. Delegates should use their reflective notes section of their CPD Portfolio to self-accredit if attending less than full days.

**TRADE EXHIBITION** [Hall 1A/B – Level 1]

Delegates are encouraged to visit the Trade Exhibition and are requested to support the companies represented there.

**EARLY BIRD REGISTRATION FEES**

UNTIL 23.59 ON FRIDAY 19 MAY 2017

Delegate Type	Fee Categories	Per Day or Part Day	Conference Dinner
BDIAP or Pathological Society Member	Ordinary Member, Consultant and/or equivalent position	£ 125	£ 60
BDIAP or Pathological Society Concessionary Member	Biomedical Scientist; Honorary or Senior Member; PhD Student; Post-Doctoral Fellow, Technician and Trainee	£ 40	£ 60
Pathological Society Undergraduate Student Member	Undergraduate Student	Free	£ 30
Non-Member	Consultant and/or equivalent position	£ 180	£ 60
Non-Member Concessionary *	Biomedical Scientist; PhD Student; Post-Doctoral Fellow, Technician and Trainee	£ 55	£ 60
Non-Member Undergraduate Student *	Undergraduate Student <i>See special offer below</i>	£ 55	£ 60
Companion Groups (except ACEM) <i>See list of eligible groups</i>	All categories	£ 125	£ 60

**ELIGIBLE COMPANION GROUPS**

AIDPATH, British Association of Cytopathology, British Association of Gynaecological Pathology, British Association of Urological Pathologists, Dutch Irish English (DIE) Cardiac Group, Renal EQA, 100,000 Genomes Project.

**\* CONCESSIONS**

Delegates from categories: **Non-Member Undergraduate Student** and **Non-Member Concessionary** must provide an identification document as proof of their student or trainee status, including NTN's where applicable. Proof must be by way of a statement from the Head of Department.

Please email to: [julie@pathsoc.org](mailto:julie@pathsoc.org) (see registration website for template wording).

**SPECIAL OFFER: Non-Member Undergraduate Students**

Join the **Pathological Society** to benefit from free meeting registration for Belfast Pathology 2017 and all future Pathological Society scientific meetings.

For more information use the URLs below:

<http://www.pathsoc.org/index.php/about/undergraduates>

<b>LATE REGISTRATION FEES</b> FROM 00.01 ON SATURDAY 20 MAY 2017			
Delegate Type	Fee Categories	Per Day or Part Day	Conference Dinner
BDIAP or Pathological Society Member	Ordinary Member, Consultant and/or equivalent position	£ 190	£ 80
BDIAP or Pathological Society Concessionary Member	Biomedical Scientist; Honorary or Senior Member; PhD Student; Post-Doctoral Fellow, Technician and Trainee	£ 70	£ 80
Pathological Society Undergraduate Student Member	Undergraduate Student	Free	£ 30
Non-Member	Consultant and/or equivalent position	£ 260	£ 80
Non-Member Concessionary *	Biomedical Scientist; PhD Student; Post-Doctoral Fellow, Technician and Trainee	£ 85	£ 80
Non-Member Undergraduate Student *	Undergraduate Student <i>See special offer below</i>	£ 85	£ 80
Companion Groups (except ACEM) <i>See list of eligible groups</i>	All categories	£ 190	£ 80

**NOTE: Fees increase again after Monday 5 June (see below)**

## REGISTRATION

Registration is **online only** via: [www.path.org.uk](http://www.path.org.uk)

## ADVANCE REGISTRATION

**Advance registration will close on Monday 5 June 2017 (midnight).**

**After this date all delegate fees will increase by £15.00 per day (including Undergraduate Members).**

## CANCELLATIONS

A cancellation fee of £20 will be deducted from any refund due for cancellations received in writing by **Thursday 1 June 2017 (after which no refunds will be made).**

## REFRESHMENTS

All refreshments, including lunch, are included in the daily registration fee.

## DELEGATE ENROLMENT (AT THE MEETING)

Enrolment at the Delegate Reception Desk will take place from 08.00 hrs each day unless stated otherwise.

## ENQUIRIES

### Meeting website

[www.path.org.uk](http://www.path.org.uk)

### British Division of the International Academy of Pathology

Address PO Box 73, Westbury-on-Trym, Bristol BS9 1RY

Telephone +44 (0)117 907 7940

Fax +44 (0)117 907 7941

E-mail [bdiap@blueyonder.co.uk](mailto:bdiap@blueyonder.co.uk)

### Pathological Society of Great Britain & Ireland

Address 150 Minories, London EC3N 1LS

Telephone +44 (0)20 7347 5751 or 5752

E-mail [admin@pathsoc.org](mailto:admin@pathsoc.org)

## PRESENTATIONS

### Presentation Checking and Preview [Room to be confirmed]

Presentation Checking and Preview facilities will be provided.

### Oral Presentations/Lectures

**Presentation format:** Powerpoint only, must be PC compatible and must be on a USB.

Presenters must attend their nominated lecture theatre 30 minutes before their presentation time.

### INTERNET ACCESS [Hall 1A/B, Level 1]

Wireless access will be generally available.

PCs and Internet access will only be available in Halls A/B.

## MESSAGES

During the Meeting, messages for delegates may be left at the following telephone number: +44 (0)7964 024118.

There will also be a message board located beside the Registration Desk.

### REFRESHMENTS [Hall 1A/B, Level 1]

All refreshments will be served in the Halls A/B unless stated otherwise.

## BADGES

Delegates are requested to wear their badges **at all times**.

### COATS AND BAGS [Room to be confirmed]

Secure facilities will be provided for coats and bags will be provided.

## TRAVEL

Please refer to the website: [www.path.org.uk](http://www.path.org.uk)

## GENERAL ARRANGEMENTS

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### ACCOMMODATION

Please refer to the website: [www.path.org.uk](http://www.path.org.uk)

### DISCLAIMER

The British Division of the International Academy of Pathology and the Pathological Society of Great Britain & Ireland cannot be held responsible for any injury or loss sustained during the Meeting.

### SOCIAL ACTIVITIES

#### TUESDAY 20 JUNE

##### Welcome Reception ([Belfast City Hall](#)).

Reserve your free ticket when registering online. Please visit: [www.path.org.uk](http://www.path.org.uk)

##### Belfast City Hall Tours

There are two 30-minute tours (at 18.30 and 18.45) with a maximum of 50 people per tour. Please book when you register. The fee is £5.00.

#### THURSDAY 22 JUNE

**Conference Dinner** (Titanic Belfast) including musical entertainment provided by *The Bentley Boys*. Tickets are £60 (*price increases to £80 after 15 May*) and £30 for Undergraduates. Please reserve your ticket when registering online.

Delegates wishing to visit the [Titanic Belfast Experience](#) can obtain a discounted entrance fee of £14.50 (normally £17.50) – *for the duration of the conference*. Please quote the following code when booking via the website or on arrival at the ticket office: CONFDELS2017.

### LOCAL PLACES OF INTEREST

For more information please refer to the website: [www.path.org.uk](http://www.path.org.uk)

## GENERAL ARRANGEMENTS

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### FUTURE MEETINGS

#### British Division of the IAP

2017 24–25 November, London  
*Winter Meeting: Breast Pathology*

#### Pathological Society

2018 25–26 January, London  
*Joint Meeting with the RSM*

5–9 February, London  
*Winter School*

#### Joint Meetings of the British Division of the IAP and the Pathological Society

2017 19–20 August, London  
*Pathology Summer School for Medical Students*  
(co-organised and sponsored with the Royal College of Pathologists)

2018 19–22 June, Maastricht  
*Maastricht Pathology 2018*

2019 June, Leeds  
*Leeds Pathology 2019*

**TRADE EXHIBITION***Correct at time of going to press*

The British Division of the International Academy of Pathology and the Pathological Society of Great Britain & Ireland wish to acknowledge the support of the following companies:

**ADVANCED CELL DIAGNOSTICS**

Advanced Cell Diagnostics' RNAscope® Technology is an *in situ* hybridization (ISH) assay for detection of target RNA within tissue. The assay represents a major advance in RNA ISH approaches with its proprietary probe design to amplify target-specific signals but not background noise from non-specific hybridization. Unique to this technology, RNAscope® delivers quantitative, sensitive and specific molecular detection of RNA species on a cell-by-cell basis with morphological context in a single assay. This enables researchers to visualize which genes are expressed, localize where they are expressed, and quantify the level of expression.

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▶ 07.15 Hall 1A/B, Level 1

**REGISTRATION and COFFEE**

▶ 08.00 – 18.00 Hall 1A/B, Level 1

**SLIDE SEMINAR CASE COMPETITION VIEWING**

▶ 08.00 – 08.55 Room 1A, Level 3

**TRAINEES' BREAKFAST SESSION***(Light breakfast will be provided)***Meet the Experts: Interstitial Lung**

Chair: Dr C Young, University of Leeds, Leeds, UK

Dr J Sampson, Queen's University Belfast, Belfast, UK

08.00–08.55 **[S1] Interstitial Lung Disease**

Prof AG Nicholson

*Royal Brompton Hospital, London, UK*

▶ 09.00 – 17.00 Hall 1D, Level 1

**BAUP — COMPANION MEETING***Please refer to the detailed meeting programme on page 34*

▶ 09.00 – 12.00 Room 2A, Level 3

**100,000 GENOMES PROJECT — COMPANION MEETING***(100,00 Genomes Project – NHS England and Genomics England)**Please refer to the detailed meeting programme on page 35*

▶ 09.00 – 12.00 Room 1A, Level 3

**SYMPOSIUM****What's New in Interstitial Lung Disease**

Chair: Prof JR Gosney, Royal Liverpool University Hospital, Liverpool, UK

Dr P Maxwell, Queen's University, Belfast, UK

09.00–09.05 **Introduction**09.05–09.30 **[S5] Fibrosing Organising Pneumonia (FOP) and Pleuroparenchymal Fibroelastosis (PPFE)**

Dr DM Rassl

*Papworth Hospital NHS Foundation Trust, Cambridge, UK*▶ 09.00 – 12.00 — *continued* Room 1A, Level 309.30–09.55 **[S6] Cystic Lung Disease**

Dr A Fabre

*UCD School of Medicine, St Vincent's University Hospital, Dublin, Ireland*09.55–10.20 **[S7] UIP, NSIP and Their Differential Diagnoses**

Prof AG Nicholson

*Royal Brompton and Harefield NHS Foundation Trust, London, UK*10.20–10.40 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]10.40–11.05 **Genomic Medicine in Lung Cancer**

Prof D Gonzalez de Castro

*Queen's University Belfast, Belfast, UK*11.05–11.30 **[S8] Immunomodulatory Therapy in Non-Small Cell Lung Cancer: A Year into Clinical Practice**

Prof JR Gosney

*Royal Liverpool University Hospital, Liverpool, UK*11.30–11.55 **[S9] Prognostic Factors in Mesothelioma**

Dr R Attanoos

*Cardiff and Vale University Health Board, Cardiff, UK*

▶ 08.55 – 11.55 Room 1B, Level 3

**SYMPOSIUM****Digital and Computational Pathology for Tissue Imaging and Analytics**

Chair: Prof PW Hamilton, Philips Digital Pathology Solutions, Belfast, UK

Dr D Treanor, Leeds Teaching Hospitals NHS Trust, Leeds, UK

08.55–09.10 **Computational Pathology: Converging Technologies**

Prof P Hamilton

*Philips Digital Pathology Solutions and Queen's University Belfast, Belfast, UK*09.10–09.40 **Sponsored by Royal Philips  
Deep Learning for Pathology**

Prof A Beck

*Harvard Medical School and Beth Israel Deaconess Medical Center, Cambridge, USA*09.40–10.10 **Sponsored by Sectra  
[S10] Diagnostic Tools That Make You Smart: Defending Pathologists' Attributes in the Age of the Machine**

Dr J Molin

*Chalmers University of Technology and Sectra AB, Linköping, Sweden*

▶ 08.55 – 11.55 — *continued*

Room 1B, Level 3

**SYMPOSIUM: Digital and Computational Pathology for Tissue Imaging and Analytics** (continued)

- 10.10–10.40 **[S11] Deep Learning Based Algorithms Significantly Aid Breast Cancer Histopathology**  
 © Dr J van der Laak; B Ehteshami Bejnordi; D Tellez Martin; P Bandi; MCA Balkenhol; P Bult; GJS Litjens  
*Radboud University Medical Center, Nijmegen, Netherlands*
- 10.40–10.55 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 10.55–11.25 **Computational Pathology in Breast Cancer**  
 Prof PJ van Diest  
*University Medical Center, Utrecht, The Netherlands*
- 11.25–11.55 **Sponsored by Cirdan**  
**Automated Analysis of Tissue Morphology for Diagnostics**  
 Prof N Rajpoot  
*University of Warwick, Coventry, UK*

## ▶ 09.15 – 11.55

Room 2B, Level 3

**SYMPOSIUM****Undergraduate Engagement Forum**

Chair: Dr R Byers, University of Manchester and Manchester Royal Infirmary, Manchester, UK  
 Mr C Slater, University of Manchester, UK

- 09.15–09.30 **Introduction**
- 09.30–10.00 **The Undergraduate Network and How Aspiring Histopathologists Can Enhance Their CV as Undergraduates**  
 Mr C Kirk  
*Queen's University Belfast, Belfast, UK*
- 10.00–10.30 **[S12] The Application Process and Specialty Training in Histopathology**  
 © Dr M Moore; J Houghton  
*Department of Pathology, Royal Victoria Hospital, Belfast Health and Social Care Trust, Belfast, UK*
- 10.30–10.50 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]

▶ 09.15 – 11.55 — *continued*

Room 2B, Level 3

- 10.50–11.25 **[S13] Do You Have the Potential to be a Pattern Recognition Expert?**  
 Dr JP Houghton  
*Queen's University Belfast, Belfast, UK*
- 11.25–11.55 **Molecular Pathology**  
 Prof M Salto-Tellez  
*Queen's University Belfast, Belfast, UK*

## ▶ 09.00 – 11.55

Room 3A/B, Level 3

**BAGP JOINT SYMPOSIUM****Hot Topics in Gynaecological Cancer**

Chair: Prof WG McCluggage, Belfast Health and Social Care Trust, Belfast, UK

- 09.00–09.30 **[S2] The Emerging Spectrum of Non-HPV Related Cervical Adenocarcinomas**  
 Prof WG McCluggage  
*Belfast Health and Social Care Trust, Belfast, UK*
- 09.30–10.00 **Moving Towards a Combined Morphological-Molecular Classification of Endometrial Cancers**  
 Dr R Soslow  
*Memorial Sloan Kettering Cancer Center, New York, USA*
- 10.00–10.30 **[S3] How Do We Assign Primary Site in Extrauterine High Grade Serous Carcinoma**  
 Dr N Singh  
*Bart's Health NHS Trust, London, UK*
- 10.30–10.55 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 10.55–11.25 **[S4] The Clinical Significance of Stratifying Vulval Squamous Carcinoma into HPV and Non-HPV Related Variants**  
 Dr B Gilks  
*Vancouver General Hospital and University of British Columbia, Vancouver, Canada*
- 11.25–11.55 **The Overlap Between Gynaecological and Soft Tissue Pathology: Importance of Working Together**  
 Dr V Sumathi  
*Birmingham Orthopaedic Hospital, Birmingham, UK*

▶ 12.00 – 13.00

Hall 1D, Level 1

**BDIAP KRISTIN HENRY LECTURE**

Chair: Prof M Leader, President, BDIAP and Beaumont Hospital, Dublin, Ireland

**[S14] Pathological Subtyping of Ovarian and Endometrial Cancers: A Story of Success and Failure**

Prof WG McCluggage

Belfast Health and Social Care Trust, Belfast, UK

▶ 13.00 – 14.00

Hall 1A/B, Level 1

**LUNCH, TRADE EXHIBITION and POSTER VIEWING**

▶ 14.00 – 16.25

Room 1A, Level 3

**ORAL PRESENTATIONS****Gastrointestinal; Technical Advances**

Chair: Prof RM Feakins, Barts and The London Health NHS Trust, London, UK

Prof RFT McMahon, Manchester Royal Infirmary, Manchester, UK

- 14.00–14.15 **[O1] How Robust is the Expression of CK20, CK7 and CDX2 in Diagnosing Colorectal Cancer?**  
 © MM Davie<sup>1</sup>; A Alnabulsi<sup>2</sup>; GI Murray<sup>1</sup>  
<sup>1</sup>Aberdeen Royal Infirmary, Aberdeen, UK; <sup>2</sup>University of Aberdeen, Aberdeen, UK
- 14.15–14.30 **[O2] Improving the Management of Early Colorectal Cancer: Assessment of Quantitative Markers to Predict the Need for Major Resection**  
 © SF Brockmoeller<sup>1</sup>; E Toh<sup>1</sup>; S Fleming<sup>2</sup>; E Morris<sup>2</sup>; P Quirke<sup>1</sup>  
<sup>1</sup>Leeds Institute for Cancer and Pathology, Leeds, UK; <sup>2</sup>University Leeds, Leeds, UK
- 14.30–14.45 **[O3] Retrospective Study of the Correlation Between Radiological and Histopathological Staging in Advanced Rectal Cancers Requiring Multi-Visceral Resection**  
 © AC Huskinson; A Quyn; P Sagar; N West  
 St James's University Hospital, Leeds, UK
- 14.45–15.00 **[O4] Deriving Prognostic Information from the Tumour Microenvironment in Stage II/III Colonic Adenocarcinoma: Reinvigorating the Soil and Seed Hypothesis**  
 © SO Hynes<sup>1</sup>; HG Coleman<sup>2</sup>; PJ Kelly<sup>3</sup>; S Irwin<sup>3</sup>; RF O'Neill<sup>2</sup>; RT Gray<sup>2</sup>; C McGready<sup>1</sup>; PD Dunne<sup>1</sup>; S McQuaid<sup>1</sup>; JA James<sup>1</sup>; M Salto-Tellez<sup>1</sup>; MB Loughrey<sup>3</sup>  
<sup>1</sup>Northern Ireland Molecular Pathology Laboratory, Belfast, UK; <sup>2</sup>Centre for Public Health, Queen's University Belfast, Belfast, UK; <sup>3</sup>Royal Victoria Hospital, Belfast, UK

▶ 14.00 – 16.25 — *continued*

Room 1A, Level 3

- 15.00–15.25 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.25–15.40 **[O5] The Development of a Semi-Quantitative Assessment Tool for Analysing Regression Patterns Following Chemoradiotherapy in Colorectal Cancer**  
 © EL Clarke; NP West  
 University of Leeds and Leeds Teaching Hospitals NHS Trust, Leeds, UK
- 15.40–15.55 **[O6] FOCUS4: MAMS Trial Design in Action. Early Closure of FOCUS4-D (Pan-HER 1, 2 and 3 Inhibitor Versus Placebo) in Advanced Colorectal Cancer (aCRC) Patients, with Tumours Wildtype (WT) for KRAS, NRAS, BRAF and PIK3CA**  
 © SD Richman<sup>1</sup>; R Adams<sup>2</sup>; E Brown<sup>3</sup>; L Brown<sup>4</sup>; R Butler<sup>5</sup>; S Falk<sup>6</sup>; D Fisher<sup>4</sup>; R Kaplan<sup>4</sup>; G Middleton<sup>7</sup>; P Quirke<sup>1</sup>; L Samuel<sup>8</sup>; J Seligmann<sup>1</sup>; MT Seymour<sup>1</sup>; KK Shiu<sup>4</sup>; H Wasan<sup>9</sup>; R Wilson<sup>10</sup>; T Maughan<sup>11</sup>  
<sup>1</sup>Leeds Institute of Cancer and Pathology, Leeds, UK; <sup>2</sup>Cardiff University and Velindre Cancer Centre, Cardiff, UK; <sup>3</sup>Edinburgh Cancer Centre NHS Lothian, Edinburgh, UK; <sup>4</sup>MRC Clinical Trials Unit at UCL, London, UK; <sup>5</sup>All Wales Genetics Laboratory, University Hospital of Wales, Cardiff, UK; <sup>6</sup>University Hospital Bristol NHS Foundation Trust, Bristol, UK; <sup>7</sup>University of Birmingham, Birmingham, UK; <sup>8</sup>Aberdeen Royal Infirmary, Aberdeen, UK; <sup>9</sup>Imperial College London, London, UK; <sup>10</sup>Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, UK; <sup>11</sup>CRUK/MRC Oxford Institute for Radiation Oncology, University of Oxford, Oxford, UK
- 15.55–16.10 **[O7] RAS Screening in Colorectal Cancer: Comprehensive Analysis of the Results from the UK NEQAS Colorectal Cancer External Quality Assurance Schemes (2009–2016)**  
 © SD Richman<sup>1</sup>; J Fairley<sup>2</sup>; R Butler<sup>3</sup>; ZC Deans<sup>2</sup>  
<sup>1</sup>Leeds Institute of Cancer and Pathology, Leeds, UK; <sup>2</sup>UK NEQAS for Molecular Genetics, Edinburgh, UK; <sup>3</sup>University Hospital of Wales, Cardiff, UK
- 16.10–16.25 **[O8] Introducing a New Panel of Markers for Microsatellite Instability (MSI) Detection in Colorectal Cancer by High Resolution Melting Analysis**  
 © W Fadhil<sup>1</sup>; S Susanti<sup>1</sup>; HO Ebili<sup>1</sup>; J Field<sup>2</sup>; K Stafford<sup>2</sup>; H Hadjimichael<sup>1</sup>; M Ilyas<sup>1</sup>  
<sup>1</sup>School of Medicine/ University of Nottingham, Nottingham, UK; <sup>2</sup>Nottingham University Hospitals NHS Trust, Nottingham, UK



▶ 14.00 – 16.55

Room 1B, Level 3

## SYMPOSIUM

**Molecular Diagnostics for Histopathologists**

Chair: Dr P Bennett, HCA Healthcare and Sarah Cannon Molecular Diagnostics, London, UK  
 Dr J James, Queen's University Belfast, Belfast, UK

- 14.00–14.30 **[S16] Tissue is the Issue: Sample and Practical Challenges in Molecular Pathology Testing**  
 Dr A Oniscu  
*Royal Infirmary of Edinburgh, Edinburgh, UK*
- 14.30–15.00 **The Impact of Tumour Assessment in Genomics**  
 Dr D Gonzalez de Castro  
*Queen's University Belfast, Belfast, UK*
- 15.00–15.15 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.15–15.55 **Transforming the Histopathology Workforce: Perspectives from the Health Education England's Genomics Education Programme**  
 Dr A Seller  
*Scientific Director, Genomics Education Programme, Health Education England, UK*
- 15.55–16.25 **[S17] Clinical Implementation of Circulating Tumour DNA Analysis by Digital Droplet PCR for NSCLC**  
 Dr R Butler  
*University Hospital of Wales, Cardiff, UK*
- 16.25–16.55 **MALDI TOF Mass Spectrometry in Routine Diagnostic Pathology**  
 Prof JP Kreigsmann  
*Centre for Histology, Cytology and Molecular Diagnostics, Trier, Germany*

▶ 14.00 – 17.00

Room 2B, Level 3

## SYMPOSIUM

**Undergraduate Engagement Forum**

Chair: Dr R Byers, University of Manchester and Manchester Royal Infirmary, Manchester, UK  
 Mr C Slater, University of Manchester, UK

- 14.00–14.05 **Introduction**  
 Dr R Byers  
*University of Manchester and Manchester Royal Infirmary, Manchester, UK*

▶ 14.00 – 17.00 — *continued*

Room 2B, Level 3

## UNDERGRADUATE RESEARCH PRESENTATIONS

- 14.05–14.20 **[P1] How the Application of Micro-CT, for the Differentiation Between Serrated and Non-Serrated Blades, in the Infliction of Stab Wounds Varies in Different Tissue Types**  
 Miss SA Stanley  
*East Midlands Forensic Pathology Unit, University of Leicester, Leicester, UK*
- 14.20–14.35 **[P2] From Serrations to Striations – An Inter-Observer Study of Tool Mark Analysis of Serrated Blade Stab Wounds in Porcine Skin**  
 © Mr TA Calderbank<sup>1</sup>; SV Hainsworth<sup>2</sup>; GN Ruddy<sup>3</sup>  
*Erasmus Hospital, Université libre de Bruxelles, Brussels, Belgium*
- 14.35–14.50 **[P26] Impact of Molecular Screening by Next Generation Sequencing on Management of Patients with Thyroid Nodules**  
 © Miss S Bouri; M Le Mercier; L Lebrun; I Salmon; N D'Haene  
*Erasmus Hospital, Université libre de Bruxelles, Brussels, Belgium*
- 14.50–15.05 **[P48] Assessing the Effect of Preoperative Treatment on Specimen Quality and Lymph Nodes in Advanced Rectal Cancer**  
 © Mr SJ Betterton; HM Wood; P Quirke; NP West  
*Leeds Institute of Cancer and Pathology, University of Leeds, Leeds, UK*
- 15.05–15.20 **[P51] The Degree and Number of Lymph Nodes with Tumour Regression Predicts Survival in Patients with Oesophageal Cancer Treated with Pre-Operative Chemoradiotherapy**  
 © Mr W Koemans<sup>1</sup>; R Larue<sup>2</sup>; L Heij<sup>1</sup>; R Riedl<sup>3</sup>; M Sosef<sup>4</sup>; HI Grabsch<sup>1</sup>  
<sup>1</sup>Department of Pathology, Maastricht University Medical Center, Maastricht, Netherlands; <sup>2</sup>Department of Radiotherapy, MAASTRO clinic, Maastricht, Netherlands; <sup>3</sup>Department of Pathology, Zuyderland Medical Center, Heerlen, Netherlands; <sup>4</sup>Department of Surgery, Zuyderland Medical Center, Heerlen, Netherlands
- 15.20–15.50 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.50–16.05 **[P52] Neo-Adjuvant Chemotherapy Improves Outcome in Patients with Oesophageal Mucinous Adenocarcinoma**  
 © Miss LN Spaans<sup>1</sup>; Y Saito<sup>2</sup>; N Davarazani<sup>1</sup>; D Cunningham<sup>3</sup>; W Allum<sup>3</sup>; RE Langley<sup>4</sup>; EC Smyth<sup>4</sup>; HI Grabsch<sup>5</sup>  
<sup>1</sup>GROW School for Oncology and Developmental Biology, Maastricht University Medical, Maastricht, Netherlands; <sup>2</sup>Dept of Thoracic Surgery, Saitama Cardiovascular and Respiratory Center, Saitama, Japan; <sup>3</sup>Department of Gastrointestinal Oncology and Lymphoma, Royal Marsden Hospital, London, UK; <sup>4</sup>Medical Research Council Clinical Trials Unit at UCL, London, UK; <sup>5</sup>Section of Pathology and Tumor Biology, Leeds Institute of Cancer and Pathology, University of Leeds, Leeds, UK

▶ 14.00 – 17.00 — *continued*

Room 2B, Level 3

**SYMPOSIUM: Undergraduate Engagement Forum** (continued)

- 16.05–16.20 **[P49] Intraoperative Colon Cancer Fluorescence Using 5-Aminolevulinic Acid: A Quantitative Histopathological Analysis of Fluorescent and Non-Fluorescent Tumours**  
 © Mr MA Goldsworthy<sup>1</sup>; E Tinkler-Hundal<sup>2</sup>; TI Maisey<sup>1</sup>; N Corrigan<sup>3</sup>; NP West<sup>2</sup>; G Gossedge<sup>1</sup>; H Andrew<sup>1</sup>; GW Taylor<sup>1</sup>; DG Jayne<sup>1</sup>  
<sup>1</sup>Leeds Institute of Biomedical and Clinical Sciences, Leeds, UK; <sup>2</sup>Leeds Institute of Cancer and Pathology, Leeds, UK; <sup>3</sup>Leeds Institute of Clinical Trials Research, Leeds, UK
- 16.20–16.35 **[P56] Epithelial Cytoplasmic HMGB1, Epithelial Nuclear RUNX3 and Dynamic Stromal Lymphocytic Phenotype are Associated with Oesophageal Neoplastic Progression**  
 © Mr RJ Porter<sup>1</sup>; DP Brice<sup>1</sup>; GI Murray<sup>1</sup>; RD Petty<sup>2</sup>; MH McLean<sup>1</sup>  
<sup>1</sup>University of Aberdeen, Aberdeen, UK; <sup>2</sup>University of Dundee, Dundee, UK
- 16.35–16.50 **[P100] Multispectral Immunofluorescence for Simultaneous Analysis of Multiple Tumour Infiltrating Lymphoid Cells Demonstrate Positive Prognostic Significance of T-cells and FOXP3 T-Regulatory Cells**  
 © Miss P Sheppard; AM Tsakiroglou; M Fergie; C West; S Astley; K Linton; R Byers;  
 University of Manchester, Manchester, UK
- 16.50–17.00 **UNDERGRADUATE RESEARCH AWARD PRESENTATIONS**

## ▶ 14.00 – 16.55

Room 3A/B, Level 3

**BAGP JOINT SYMPOSIUM****The Perils and Pleasures of Biopsy Pathology Reporting**

Chair: Prof WG McCluggage, Belfast Health and Social Care Trust, Belfast, UK

- 14.00–14.40 **Cervical and Vulvovaginal Biopsies**  
 Prof WG McCluggage  
 Belfast Health and Social Care Trust, Belfast, UK
- 14.40–15.20 **Endometrial Biopsies**  
 Dr R Soslow  
 Memorial Sloan Kettering Cancer Center, New York, USA
- 15.20–15.35 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.35–16.15 **Biopsies of Mesenchymal Lesions**  
 Dr R Ganesan  
 Birmingham Women's NHS Foundation Trust, Birmingham, UK

▶ 14.00 – 16.55 — *continued*

Room 3A/B, Level 3

- 16.15–16.55 **[S15] Omental, Peritoneal and Ovarian Biopsies**  
 Dr CB Gilks  
 Vancouver General Hospital and University of British Columbia, Vancouver, Canada

## ▶ 17.00 – 18.00

Hall 1D, Level 1

**PUBLIC LECTURE**

Chair: Prof M Salto-Tellez, Queen's University Belfast, Belfast, UK

**From Nora Barnacle to Barack Obama: A Personalised Journey Through Precision Medicine**

Prof M Lawler

Queen's University Belfast and Chair in Translational Cancer Genomics, Belfast, UK

## ▶ 18.30 – 20.15

Belfast City Hall

**WELCOME RECEPTION AND TOURS**

- 18.30–19.00 **Belfast City Hall Tours #1**
- 18.45–19.15 **Belfast City Hall Tours #2**  
*Places on both tours are limited.*
- 19.00–20.15 **Welcome Reception**

## ▶ 08.55 – 16.50 COMPANION MEETING Hall 1D, Level 1

**BRITISH ASSOCIATION OF UROLOGICAL PATHOLOGISTS (BAUP)**

Chair: Dr L Browning, John Radcliffe Hospital, Oxford, UK  
Dr C Verrill, Oxford University, Oxford, UK

- 08.55–09.00 **Welcome**  
Prof S Fleming, Chairman, BAUP
- 09.00–10.00 **An Update on TNM8 (2017)**  
Prof M Amin, Memphis, USA
- 10.00–10.20 **Refreshments and Trade Exhibition** [Hall 1A/B, Level 1]
- 10.20–11.20 **EQA Circulation**  
Dr N Mayer, Cork, Ireland  
Dr J Oxley, Bristol, UK  
Dr J Dormer, Leicester, UK
- 11.20–11.50 **AGM**
- 12.00–13.00 **BDIAP Kristin Henry Lecture** — *See page 28 for more details*
- 13.00–13.30 **Lunch, Poster Viewing and Trade Exhibition** [Hall 1A/B, Level 1]
- 13.30–14.30 **Ancillary Testing for Bladder Carcinoma on Voided Urine and Instrumented Specimens**  
Prof L Bubendorf, Basel, Switzerland
- 14.30–15.30 **DEBATE: Bladder Cancer Grading: It is Time to Ditch WHO 1973**  
**FOR:** Prof M Amin, Memphis, USA  
**AGAINST:** Dr M Varma, Cardiff, UK
- 15.30–15.50 **Refreshments and Trade Exhibition** [Hall 1A/B, Level 1]
- 15.50–16.50 **Towards Precision Diagnostics in Urologic Pathology – An Integrated Clinical, Morphological and Molecular Approach**  
Prof M Amin, Memphis, USA

## ▶ 09.00 – 11.55 COMPANION MEETING Room 2A, Level 3

**100,000 GENOMES PROJECT**

NHS England and Genomics England

Hear about the work behind the scenes of the 100,000 Genomes Project

- ▶ the experimental work
  - ▶ mapping to clinical utility
  - ▶ quality assurance
- and participate in the panel discussion with NHS England and Genomics England.

- 09.00–09.15 **Welcome and Introduction — Scope Opportunities in the 100,000 Genomes Project**  
Prof L Jones
- 09.15–09.45 **Inclusion of Biopsies: Practicalities and Clinical Utility**  
Dr A Rendall
- 09.45–10.15 **Sample Eligibility: Balancing Clinical Need and Science**  
Dr C Craig
- 10.15–10.30 **Refreshments and Trade Exhibition** [Hall 1A/B, Level 1]
- 10.30–11.00 **Tumour Assessment: Training and EQA**  
Dr S Deans
- 11.00–11.30 **Experimental Phase in the 100,000 Genomes Project**  
Prof L Jones
- 11.30–11.55 **Panel Q&A Session**

▶ 08.00 Hall 1A/B, Level 1

**REGISTRATION and COFFEE**

▶ 08.00 – 18.00 Hall 1A/B, Level 1

**SLIDE SEMINAR CASE COMPETITION VIEWING**▶ 09.00 – 16.00 (*onwards*) Room 2A, Level 3**AIDPATH — COMPANION MEETING**

(Academia and Industry Collaboration for Digital Pathology)

*Please refer to the detailed meeting programme on page 47*

▶ 09.00 – 11.55 Hall 1D, Level 1

**SYMPOSIUM****Gastrointestinal Pathology**Chair: Dr M Loughrey, Belfast Health and Social Care Trust, Belfast, UK  
Prof M Novelli, University College London, London, UK09.00–09.05 **Welcome**  
Dr MB Loughrey  
*Belfast Health and Social Care Trust, Royal Victoria Hospital, Belfast, UK*09.05–09.30 **[S18] Microscopic Colitis: A Term in Evolution**  
Dr MB Loughrey  
*Belfast Health and Social Care Trust, Royal Victoria Hospital, Belfast, UK*09.30–09.55 **[S19] Ulcerative Colitis Versus Crohn's Disease: Is Biopsy Useful?**  
Prof RM Feakins  
*Barts Health NHS Trust, London, UK*09.55–10.20 **Drug-Induced Gastrointestinal Disease**  
Prof K Sheahan  
*UCD School of Medicine, St Vincent's University Hospital, Dublin, Ireland*10.20–10.40 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]10.40–11.05 **[S20] Pathology of the Ileoanal Pouch**  
Prof MR Novelli  
*University College London Hospital, London, UK*11.05–11.30 **[S21] Diagnostic Dilemmas in Barrett's Oesophagus**  
Dr SL Meijer  
*Academic Medical Center, Amsterdam, The Netherlands*▶ 09.00 – 11.55 — *continued* Hall 1D, Level 111.30–11.55 **Gastrointestinal Tract Involvement by Systemic Disease**  
Dr AC Bateman  
*Southampton General Hospital, Southampton, UK*

▶ 09.00 – 11.30 Room 1A, Level 3

**ORAL PRESENTATIONS****Cardiovascular/Pulmonary; Cellular/Molecular; Haematopathology; Experimental Tumour Pathology; Neuropathology/Ophthalmic; Osteoarticular/Soft Tissue Skin**Chair: Dr L Browning, Department of Cellular Pathology,  
Oxford University Hospitals NHS Foundation Trust, Oxford, UK  
Prof EJ Soilleux, Cambridge University, Oxford, UK09.00–09.15 **[O9] Sudden Unexplained Death in Alcohol Misuse Patients have Different Characteristics to Those Who Died from Sudden Arrhythmic Death Syndrome**  
© T Sorkin<sup>1</sup>; MN Sheppard<sup>2</sup>  
*<sup>1</sup>St Thomas' Hospital, London, UK; <sup>2</sup>St George's University, London, UK*09.15–09.30 **[O10] With a Heavy Heart: Sudden Cardiac Death in Hypertensive Heart Disease**  
© JD Westaby; CJ Miles; A Nadarajasundaram; MN Sheppard  
*St George's University of London, London, UK*09.30–09.45 **[O11] The Effects of Cold Ischaemia on Tumour Morphology and DNA Quality for Whole Genome Sequencing: A Systematic Comparative Study of a Series of Renal Tumours in a Single Institution**  
© L Browning<sup>1</sup>; M Cabes<sup>2</sup>; ISD Roberts<sup>1</sup>; A Rendek<sup>1</sup>; E Collantes<sup>1</sup>; M McCole<sup>1</sup>; RT Colling<sup>3</sup>; R Pell<sup>4</sup>; S Henderson<sup>2</sup>; A Schuh<sup>5</sup>; C Verrill<sup>6</sup>  
*<sup>1</sup>Department of Cellular Pathology, Oxford University Hospitals NHS Foundation Trust, Oxford, UK; <sup>2</sup>Oxford Molecular Diagnostics Centre, Oxford University Hospitals NHS Foundation Trust, Oxford, UK; <sup>3</sup>Oxford Molecular Diagnostics Centre, Oxford University Hospitals NHS Foundation Trust & Dept of Oncology, University of Oxford, Oxford, UK; <sup>4</sup>Department of Cellular Pathology, Royal Berkshire Hospital NHS Foundation Trust, Reading, UK; <sup>5</sup>Oxford Molecular Diagnostics Centre, Oxford University Hospitals NHS Foundation Trust & Dept of Oncology, University of Oxford, Oxford, UK; <sup>6</sup>Nuffield Department of Surgical Sciences, University of Oxford, Oxford, UK***[O12] This abstract has been withdrawn**09.45–10.30 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]

▶ 09.00 – 11.30 — *continued*

Room 1A, Level 3

ORAL PRESENTATIONS *(continued)*

- 10.30–10.45 **[O13] A Genomic Classification Model Enables Risk Stratification of Paediatric Endemic Burkitt Lymphoma in Malawi**  
P Zhou<sup>1</sup>; A Enshaei<sup>1</sup>; AM Newman<sup>1</sup>; K Banda<sup>2</sup>; G Chagaluka<sup>2</sup>; I Lampert<sup>3</sup>; S Van Noorden<sup>4</sup>; A Erhorn<sup>1</sup>; A Barnard<sup>1</sup>; R Crossland<sup>1</sup>; S Wilkinson<sup>1</sup>; S Nakjang<sup>1</sup>; K Wood<sup>5</sup>; D Televantou<sup>5</sup>; S Bomken<sup>1</sup>; P Carey<sup>5</sup>; © CM Bacon<sup>1</sup>; S Bailey<sup>5</sup>; E Molyneux<sup>2</sup>; V Rand<sup>1</sup>  
<sup>1</sup>Newcastle University, Newcastle upon Tyne, UK; <sup>2</sup>College of Medicine, Blantyre, Malawi; <sup>3</sup>West Middlesex University Hospital, Isleworth, UK; <sup>4</sup>Imperial College London, London, UK; <sup>5</sup>Newcastle upon Tyne Hospitals, Newcastle upon Tyne, UK
- 10.45–11.00 **[O14] shRNA Mediated PPARalpha Knockdown in Glioma Stem Cells Reduces In Vitro Proliferation and Decreases Tumourigenicity in an Orthotopic Nude Mouse Xenograft Model**  
© HR Haynes<sup>1</sup>; H Scott<sup>1</sup>; G Shaw<sup>2</sup>; T Brend<sup>2</sup>; CL Killick-Cole<sup>1</sup>; H Bulstrode<sup>3</sup>; K Hares<sup>1</sup>; J Redondo<sup>1</sup>; KC Kemp<sup>1</sup>; WG Singleton<sup>1</sup>; SC Short<sup>2</sup>; J Uney<sup>1</sup>; A Wilkins<sup>1</sup>; KM Kurian<sup>1</sup>  
<sup>1</sup>University of Bristol, Bristol, UK; <sup>2</sup>University of Leeds, Leeds, UK; <sup>3</sup>University of Cambridge, Cambridge, UK
- 11.00–11.15 **[O15] Inflammatory Cell Infiltrates in Advanced Metastatic Uveal Melanoma**  
© Y Krishna<sup>1</sup>; C McCarthy<sup>2</sup>; H Kalirai<sup>2</sup>; SE Coupland<sup>1</sup>  
<sup>1</sup>Royal Liverpool University Hospital, Liverpool, UK; <sup>2</sup>University of Liverpool, Liverpool, UK
- 11.15–11.30 **[O16] Novel Molecular Events in Phosphaturic Mesenchymal Tumour**  
© WJ Anderson<sup>1</sup>; P Lombard<sup>2</sup>; A Meecham<sup>2</sup>; L Cottone<sup>2</sup>; C Steele<sup>2</sup>; C Thom<sup>1</sup>; H Ye<sup>1</sup>; F Amary<sup>1</sup>; R Tirabosco<sup>1</sup>; S Behjati<sup>3</sup>; AM Flanagan<sup>1</sup>; N Pillay<sup>1</sup>  
<sup>1</sup>Royal National Orthopaedic Hospital, London, UK; <sup>2</sup>UCL Cancer Institute, London, UK; <sup>3</sup>Sanger Institute, Hinxton, UK

▶ 09.00 – 11.55

Room 3B, Level 3

## SYMPOSIUM

**Dermatopathology**

Chair: Dr E Calonje, King's College London, London, UK  
Dr C McGalje, Belfast Health and Social Care Trust, Belfast, UK

- 09.00–09.40 **[S22] Cutaneous Vascular Tumours: An Update**  
Dr JE Calonje  
*St John's Institute of Dermatology, London, UK*
- 09.40–10.20 **Malignant Cutaneous Sweat Gland Tumours**  
Dr B Luzar  
*University of Ljubljana, Ljubljana, Slovenia*
- 10.20–10.35 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 10.35–11.15 **[S23] Myxoid Tumors of the Skin**  
Dr SD Billings  
*Cleveland Clinic, Cleveland, United States*
- 11.15–11.55 **[S24] Update on the Clinic-Pathological and Molecular Diagnosis of Melanocytic Lesions**  
Dr A de la Fouchardiere  
*Centre Leon Berard, Lyon, France*

▶ 09.00 – 11.55

Room 1B, Level 3

## SYMPOSIUM

**NGS for Tissue Pathologists**

Chair: Dr N Pillay, UCL Cancer Institute and Royal National Orthopaedic Hospital, London, UK  
Prof G Thomas, University of Southampton, Southampton, UK

- 09.00–09.40 **[S25] Overview of Next Generation Sequencing Technologies and Bioinformatics in Cancer**  
Dr JE Hadfield  
*CRUK Cambridge Institute, Cambridge, UK*
- 09.40–10.10 **[S26] Molecular Pathology in Cancer Precision Medicine: The Heidelberg Experience**  
Dr AS Stenzinger  
*University Hospital Heidelberg / Institute of Pathology, Heidelberg, Germany*
- 10.10–10.40 **[S27] Genomes for Medicine: 100,000 Genomes Project and CRUK SMP2**  
Dr MT Ross  
*Illumina Cambridge, Saffron Walden, UK*

▶ 09.00 – 11.55 — *continued*

Room 1B, Level 3

**SYMPOSIUM: NGS for Tissue Pathologists** (continued)10.40–10.55 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]10.55–11.25 **Using NGS in Circulating Tumour DNA**

Dr T Forshew

*Inivata (Cambridge) and UCL Honorary Lecturer, Cambridge and London, UK*11.25–11.55 **Intro-Tumour Heterogeneity and Genomic Evolution in Cancer**

Dr M Gerlinger

*The Institute of Cancer Research, London, UK*

## ▶ 12.00 – 12.45

Hall 1D, Level 1

**THE PATHOLOGICAL SOCIETY OF GREAT BRITAIN & IRELAND  
CL OAKLEY LECTURE**Chair: Dr RJ Byers, General Secretary, The Pathological Society;  
University of Manchester and Manchester Royal Infirmary,  
Manchester, UK**[S28] Improving Outcomes in Colorectal Cancer: The Importance of  
Rigorous Pathological Quality Control**

Dr NP West

*St James's University Hospital, Leeds, UK*

## ▶ 12.45 – 14.00

Hall 1A/B, Level 1

**LUNCH, TRADE EXHIBITION and POSTER VIEWING**

## ▶ 13.15 – 13.55

Room 1A, Level 3

**CIRDAN IMAGING — LUNCHTIME LECTURE***Separate lunch will be provided***Why the Industry is Swinging Back to 'Best of Breed' Laboratory  
Information Systems**

Dr H Cormican

*CEO, Cirdan Imaging, UK*

## ▶ 14.00 – 17.00

Hall 1D, Level 1

**SYMPOSIUM****Hepatobiliary**Chair: Prof SG Hubscher, University of Birmingham / Queen Elizabeth Hospital,  
Birmingham, UK

Dr P Kelly, Belfast Health and Care Trust, Belfast, UK

14.00–14.05 **Introduction**

Prof SG Hubscher

*University of Birmingham / Queen Elizabeth Hospital, Birmingham, UK*14.05–14.35 **Update on Fatty Liver Disease**

Prof R Goldin

*Imperial College / St Mary's Hospital, London, UK*14.35–15.05 **[S29] Update on Autoimmune Biliary Disease**

Prof SG Hubscher

*University of Birmingham / Queen Elizabeth Hospital, Birmingham, UK*15.05–15.35 **Update on Cholangiocarcinoma**

Dr J Wyatt

*Leeds Teaching Hospitals NHS Trust, Leeds, UK*15.35–16.00 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]16.00–16.30 **Pitfalls in Pancreatic Pathology**

Prof F Campbell

*Royal Liverpool University Hospital, Liverpool, UK*16.30–17.00 **[S30] Pathology of Non-Neoplastic Pancreatic Diseases**

Prof CS Verbeke

*Oslo University Hospital, Oslo, Norway*

## ▶ 14.00 – 17.00

Room 3A, Level 3

**SYMPOSIUM****Head and Neck**Chair: Prof TR Helliwell, Royal Liverpool University Hospital, Liverpool, UK  
Dr S Napier, Belfast Health and Care Trust, Belfast, UK14.00–14.20 **[S31] HPV-Associated Head and Neck Cancers: An Update**

Prof TR Helliwell

*Royal Liverpool University Hospital, Liverpool, UK*

▶ 14.00 – 17.00 — *continued*

Room 3A, Level 3

**SYMPOSIUM: Head and Neck** (continued)

- 14.20–15.00 **[S32] Evolving Evidence from Clinical Trials and Personalised Therapy for Patients with Head and Neck Cancer**  
Prof KJ Harrington  
*The Institute of Cancer Research, London, UK*
- 15.00–15.30 **Thinking Outside the Mouth: Diagnostic Challenges of Systemic Disease Presenting in the Oral Cavity**  
Dr M Toner  
*St James's Hospital, Dublin, Ireland*
- 15.30–16.00 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 16.00–16.30 **[S33] Sentinel Nodes in Oral and Head and Neck Cancers: The Surgeon's Perspective**  
Ms CE Schilling  
*St Georges Hospital, London, UK*
- 16.30–17.00 **Sentinel Node Biopsy and the Head and Neck Pathologist: Pearls and Pitfalls**  
Dr S Thavaraj  
*King's College London / Guy's and St Thomas' NHS Foundation Trust, London, UK*

▶ 14.00 – 17.00

Room 3B, Level 3

**SYMPOSIUM**

**Haematopathology**

Chair: Dr S Dojcinov, University Hospital of Wales, Cardiff, UK  
Dr L Venkatraman, Belfast Health and Care Trust, Belfast, UK

- 14.05–14.25 **[S34] EBV Quantitation in Health and Disease**  
© Dr SA Feeney; T Curran; AP Watt; C Cox; C McCaughey  
*Regional Virus Lab, Royal Victoria Hospital, Belfast, UK*
- 14.25–15.05 **Inflammatory Bowel Disease and EBV-Related LPD in GIT**  
Prof H van Krieken  
*Radboud University, Radboud, The Netherlands*
- 15.05–15.35 **Refractory Coeliac Disease**  
Dr J Woodward  
*Anglian Nutrition Network, Addenbrookes Hospital, Cambridge, UK*
- 15.35–16.00 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]

▶ 14.00 – 17.00 — *continued*

Room 3B, Level 3

- 16.00–16.40 **Pathological Spectrum of Refractory Coeliac and EATL/NK T-Lymphoma in GIT – Information From New Technologies**  
Prof L Quintanilla-Martinez de Fend  
*Eberhard Karls University of Tübingen, Tübingen, Germany*
- 16.40–17.00 **Potential Application of New Technologies to Lymphoproliferative Diseases in GIT – With Special Reference to Marginal Zone Lymphoma**  
Prof F Fend  
*Eberhard Karls University of Tübingen, Tübingen, Germany*

▶ 14.00 – 16.45

Room 1A, Level 3

**ORAL PRESENTATIONS**

**Breast; Gynaecological**

Chair: Prof WG McCluggage, Belfast Health and Social Care Trust, Belfast, UK  
Prof E Rakha, University of Nottingham, Nottingham, UK

- 14.00–14.15 **[O17] The Chemokine CXCL10 is a Potential Regulator of Cancer Stem Cells in High Grade Serous Carcinoma**  
© JR McDermott; R Jones; M Lockley; FR Balkwill  
*Barts Cancer Institute, London, UK*
- 14.15–14.30 **[O18] Uterine Tumour Resembling Ovarian Sex Cord Tumour (UTROSCT): Follow-Up of a Case Series Confirming a Neoplasm of Low Malignant Potential**  
© M Moore; WG McCluggage  
*Department of Pathology, Belfast Health and Social Care Trust, Belfast, UK*
- 14.30–14.45 **[O19] Myoepithelial Cell Phenotype in DCIS Progression: Functional Significance of Integrin  $\alpha\beta 6$  and Fibronectin**  
© M Hayward; MD Allen; JJ Gomm; L Haywood; JF Marshall; LJ Jones  
*Barts Cancer Institute, London, UK*
- 14.45–15.00 **[O20] Glutamine Transporters SLC1A5 and SLC7A5 are Key Therapeutic Targets in Luminal B Breast Cancer**  
© R El-Ansari<sup>1</sup>; MA Aleskandarany<sup>1</sup>; KW Cheng<sup>1</sup>; M Diez-Rodriguez<sup>1</sup>; CC Nolan<sup>1</sup>; C Caldas<sup>2</sup>; IO Ellis<sup>1</sup>; EA Rakha<sup>1</sup>; AR Green<sup>1</sup>  
<sup>1</sup>University of Nottingham, Nottingham, UK; <sup>2</sup>Cancer Research UK Cambridge Institute, University of Cambridge, Cambridge, UK

▶ 14.00 – 16.45 — *continued*

Room 1A, Level 3

**ORAL PRESENTATIONS** (*continued*)

- 15.00–15.15 **[O21] *Elevated Expression of STK3 mRNA and Protein is Associated with Poor Outcome in Invasive Breast Cancer***  
S Ojiegbe<sup>1</sup>; C Joseph<sup>1</sup>; E Provenzano<sup>2</sup>; C Caldas<sup>3</sup>; C Nolan<sup>1</sup>; AR Green<sup>1</sup>; E Rakha<sup>4</sup>; IO Ellis<sup>4</sup>; © A Mukherjee<sup>4</sup>  
<sup>1</sup>Department of Histopathology, School of Medicine, University of Nottingham, Nottingham, UK; <sup>2</sup>Addenbrooke's Hospital, Cambridge University Hospital NHS Foundation Trust, Cambridge, UK; <sup>3</sup>CRUK Cambridge Research Institute, Addenbrooke's Hospital, Nottingham, UK; <sup>4</sup>Department of Histopathology, Nottingham University Hospitals NHS Trust, Nottingham, UK
- 15.15–15.45 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.45–16.00 **[O22] *Cell Division Cycle 25C (CDC25C) Expression Confers Poor Prognosis in Invasive Breast Cancer***  
S Ojiegbe<sup>1</sup>; C Joseph<sup>1</sup>; E Provenzano<sup>2</sup>; C Caldas<sup>3</sup>; C Nolan<sup>1</sup>; AR Green<sup>1</sup>; E Rakha<sup>4</sup>; IO Ellis<sup>4</sup>; © A Mukherjee<sup>4</sup>  
<sup>1</sup>Department of Histopathology, School of Medicine, University of Nottingham, Nottingham, UK; <sup>2</sup>Addenbrooke's Hospital, Cambridge University Hospital NHS Foundation Trust, Nottingham, UK; <sup>3</sup>CRUK Cambridge Research Institute, Addenbrooke's Hospital, Nottingham, UK; <sup>4</sup>Department of Histopathology, Nottingham University Hospitals NHS Trust, Nottingham, UK
- 16.00–16.15 **[O23] *The Heterogeneity of Tumour Infiltrating Lymphocytes and its Effect on Patient Outcome***  
© M Althobiti; MA Aleskandarany; AR Green; C Joseph; M Diez Rodriguez; CC Nolan; IO Ellis; EA Rakha  
University of Nottingham, Nottingham, UK
- 16.15–16.30 **[O24] *Loss of MED23 Leads to Poor Prognosis in Invasive Breast Cancer***  
TA Aliyeva<sup>1</sup>; C Joseph<sup>1</sup>; E Provenzano<sup>2</sup>; R Russell<sup>3</sup>; C Caldas<sup>4</sup>; S Sonbul<sup>1</sup>; C Nolan<sup>1</sup>; AR Green<sup>1</sup>; EA Rakha<sup>5</sup>; IO Ellis<sup>5</sup>; © A Mukherjee<sup>5</sup>  
<sup>1</sup>Department of Histopathology, School of Medicine, University of Nottingham, Nottingham, UK; <sup>2</sup>Addenbrooke's Hospital, Cambridge University Hospital NHS Foundation Trust, Cambridge, UK; <sup>3</sup>CRUK Cambridge Research Institute, Cambridge, UK; <sup>4</sup>CRUK Cambridge Research Institute, Addenbrooke's Hospital, Cambridge, UK; <sup>5</sup>Department of Histopathology, Nottingham University Hospitals NHS Trust, Nottingham, UK
- 16.30–16.45 **[O25] *FOXP1 Expression Correlates with Better Prognosis in Invasive Breast Cancer Including the ER-Positive Luminal Subtype***  
© C Joseph<sup>1</sup>; M Craze<sup>1</sup>; C Nolan<sup>1</sup>; M Diez-Rodriguez<sup>1</sup>; AR Green<sup>1</sup>; E Rakha<sup>2</sup>; IO Ellis<sup>2</sup>; A Mukherjee<sup>2</sup>  
<sup>1</sup>Department of Histopathology, School of Medicine, University of Nottingham, Nottingham, UK; <sup>2</sup>Department of Histopathology, Nottingham University Hospitals NHS Trust, Nottingham, UK

▶ 14.00 – 17.00

Room 1B, Level 3

**SYMPOSIUM*****Journal of Pathology ARI: Genetics of Disease***

Chair: Prof CS Herrington, Editor in Chief, Journal of Pathology;  
University of Edinburgh, Edinburgh, UK  
Prof W Foulkes, McGill University, Montreal, Canada

- 14.00–14.30 ***The Molecular Underpinnings of Prostate Cancer: Impacts on Management and Pathology Practice***  
Dr D Nava Rodrigues  
Institute of Cancer Research, Surrey, UK
- 14.30–15.00 **[S35] *Cancer Predisposition Syndromes: Lessons for Truly Precision Medicine***  
Dr DN Church  
Oxford Centre for Cancer Gene Research, Wellcome Trust Centre for Human Genetics, University of Oxford, Oxford, UK
- 15.00–15.30 ***The Pathological Consequences of Impaired Genome Integrity in Humans: Disorders of the DNA Replication Machinery***  
Prof M O'Driscoll  
Human DNA Damage Response Disorders Group, Genome Damage and Stability Centre, University of Sussex, Brighton, UK
- 15.30–16.00 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 16.00–16.30 **[S36] *The Genetics and Pathology of Mitochondrial Disease***  
© Dr MR Rocha; CL Alston; NZ Lax; DM Turnbull; RW Taylor  
Wellcome Trust Centre for Mitochondrial Research, Newcastle upon Tyne, UK
- 16.30–17.00 **[S37] *Molecular Mechanisms in Atopic Eczema: Insight Gained from Genetic Studies***  
Prof SJ Brown  
Ninewells Hospital and Medical School, Dundee, Dundee, UK



▶ 17.00 – 18.30

Hall 1D, Level 1

**POSTER VIEWING and CHAIRMAN'S ROUNDS**

GROUP – CATEGORY	POSTER NUMBER	CHAIR
1 – Autopsy/Forensic Cardiovascular/Pulmonary	P1–5 P6–11	Dr A Dorman, Belfast; Dr S Hynes, Galway
2 – Breast	P12–25	Dr C Boyd, Belfast; Dr C Quinn, Dublin
3 – Cellular/Molecular Pathology Experimental Tumour Pathology Technical Advances	P26, P28–35 P36 P37–39	Prof MJ Arends, Edinburgh; Dr P Maxwell, Belfast
4 – Education and Audit	P40–47, P120	Dr L Browning, Oxford; Prof EJ Soilleux, Oxford
5 – Gastrointestinal & Hepatobiliary/Pancreas	P51–56, P58, P62, P65, P67–68, P70–74	Dr P Kelly, Belfast; Dr C Verbeke, Oslo, Norway
6 – Gastrointestinal & Endocrine	P48–50, P57, P59–61, P63–64, P66, P110	Dr M Loughrey, Belfast; Prof K Sheahan, Dublin
7 – Genitourinary Renal	P75–88 P89–91	Prof D Berney, London; Dr B Loftus, Dublin
8 – Gynaecological	P92–99	Prof CS Herrington, Edinburgh; Dr N Singh, London
9 – Haematopathology Osteoarticular/Soft Tissue	P100–103 P104–109	Dr S Dojcinov, Cardiff; Dr O Houghton, Belfast
10 – Endocrine Head and Neck Neuropathology/Ophthalmic Skin	P111 P112–114 P119 P115–118	Dr E Calonje, London; Dr S Napier, Belfast

Posters: P27, P37 and P69 have been withdrawn

▶ 09.00 – 16.00

COMPANION MEETING

Room 2A, Level 3

**ACADEMIA AND INDUSTRY COLLABORATION  
FOR DIGITAL PATHOLOGY (AIDPATH)**

**Digital Pathology: Cancer Microenvironment Image Analytics**

Chair: Prof M Ilyas and Prof G Bueno

09.00–09.05

**Welcome**

Prof M Ilyas

University of Nottingham, Nottingham, UK

09.05–09.25

**AIDPATH Project**

Prof G Bueno

VISILAB and University of Castilla-La Mancha, Spain

09.25–09.45

**A Novel Method for Segmentation of Tumour Epithelium  
in Colorectal Cancer**

Dr M Abdelsemea

09.45–10.15

**Reading IHC Slides: Can Machines Do Better Than Humans?**

Prof A Laurinavicius

National Center of Pathology and Vilnius University, Vilnius, Lithuania

10.15–10.45

**Refreshments** [Hall 1A/B, Level 1]

10.45–11.15

**Automated Identification of Tumour Proliferation on Ki67  
Immunohistochemical Images Using Deep Learning Approach**

Dr JJ Pushpa

Astrazeneca, UK

11.15–11.45

**The Study of Drug Distribution and Tumor Heterogeneity Using  
Telepathology with Mass Spectrometry Imaging**

Dr A Rasmusson

Astrazeneca, UK

11.45–12.15

**Colour Image Processing in Digital Pathology**

Dr W Saafin and Dr G Schaefer

Loughborough University, UK

12.15–13.30

**Lunch** [Hall 1A/B, Level 1]

*Programme continues overleaf*

▶ 09.00 – 16.00

COMPANION MEETING

Room 2A, Level 3

**AIDPATH** (continued)

- 13.30–14.00 **TILs Quantification by Image Analysis**  
Prof VD Mea  
*University of Udine, Italy*
- 14.00–15.00 **Tools and Software for Digital Pathology**  
Prof G Bueno  
*VISILAB and University of Castilla-La Mancha, Spain*
- 15.00–15.30 **Challenges in Digital Pathology**  
Prof VD Mea  
*University of Udine, Italy*  
Prof G Bueno  
*VISILAB and University of Castilla-La Mancha, Spain*
- 15.30–16.00 **Refreshments** [Hall 1A/B, Level 1]

16.00 onwards **Closed Meeting for AIDPATH Management**

▶ 08.00

Hall 1A/B, Level 1

**REGISTRATION and COFFEE**

▶ 08.00 – 18.00

Hall 1A/B, Level 1

**SLIDE SEMINAR CASE COMPETITION VIEWING**

▶ 08.30 – 12.00

Hall 1D, Level 1

**SYMPOSIUM****Breast**

Chair: Dr C Boyd, Belfast Health and Care Trust, Belfast, UK  
Dr R Deb, Royal Derby Hospital, Derby, UK

- 08.30–09.00 **An Update on Recent Guidelines (Diagnosis and Management of B3 Lesions, Operative and Non-Operative Breast Specimens): What's New?**  
Dr R Deb  
*Royal Derby Hospital, Derby, UK*
- 09.00–09.30 **[S38] Neoadjuvant Chemotherapy in Breast Cancer: Practical Aspects in Specimen Handling and Recent Advances**  
Dr E Provenzano  
*Addenbrookes Hospital, Cambridge, UK*
- 09.30–10.00 **What Do Breast Pathologists Find Difficult? Learning From My Referral Practice**  
Prof S Pinder  
*King's College London, London, UK*
- 10.00–10.20 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 10.20–10.50 **Digital Pathology in Breast Specimen Reporting: Barriers to Implementation and How to Overcome Them. What Can We Learn from the Utrecht Experience?**  
Dr C Vreuls  
*University Medical Center, Utrecht, The Netherlands*
- 10.50–11.20 **Research in Breast Cancer: Where Are We Now and What's Next?**  
Prof IO Ellis  
*University of Nottingham, Nottingham, UK*
- 11.20–12.00 **Slide Seminar**

▶ 09.00 – 11.50

Room 3B, Level 3

**SYMPOSIUM****Sponsored by Advanced Cell Diagnostics****Cancer Immunology for TPs**Chair: Prof M Salto-Tellez, Queen's University Belfast, Belfast, UK  
Prof G Thomas, University of Southampton, Southampton, UK09.00–09.10 **Welcome and Introduction**Prof G Thomas  
University of Southampton, Southampton, UK09.10–09.45 **Cancer Immunology and Cancer Stroma**Prof G Thomas  
University of Southampton, Southampton, UK09.45–10.20 **Deciphering the Tumour Ecosystem Using Machine Learning for Pathology**Dr Y Yuan  
Institute of Cancer Research, London, UK10.20–10.40 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]10.40–11.15 **[S39] Macrophage Class Switching and Targeting of Tumour Immunology in Lung Cancer**E Aldujaily<sup>1</sup>; T Kamata<sup>1</sup>; C Pritchard<sup>1</sup>; © Dr J Le Quesne<sup>2</sup>  
<sup>1</sup>University of Leicester, Leicester, UK; <sup>2</sup>MRC Toxicology Unit, Leicester, UK11.15–11.50 **Digital Pathology and Cancer Immunology Testing**Prof M Salto-Tellez  
Queen's University Belfast, Belfast, UK

▶ 09.00 – 11.15

Room 1A, Level 3

**ORAL PRESENTATIONS****Technical Advances; Gastrointestinal; Cellular/Molecular Pathology**Chair: Prof HI Grabsch, University of Maastricht, Maastricht, The Netherlands  
Prof MJ Arends, CRUK Edinburgh Centre, University of Edinburgh, Edinburgh, UK09.00–09.15 **[O26] The Importance of Resting CD8+ T Cells and Proliferating Tumour Cells in Gastric Cancer**© K Nekolla<sup>1</sup>; M Yigitsoy<sup>1</sup>; S Earle<sup>2</sup>; A Meier<sup>1</sup>; N Harder<sup>1</sup>; M Hale<sup>2</sup>; A Zuraw<sup>1</sup>; T Yoshikawa<sup>3</sup>; G Schmidt<sup>1</sup>; R Huss<sup>1</sup>; H Grabsch<sup>4</sup>  
<sup>1</sup>Definiens AG, Munich, Germany; <sup>2</sup>Pathology and Tumour Biology, Leeds Institute of Cancer and Pathology, University of Leeds, Leeds, UK; <sup>3</sup>Department of Gastrointestinal Surgery, Kanagawa Cancer Center, Yokohama, Japan; <sup>4</sup>Department of Pathology, GROW-School for Oncology and Developmental Biology, Maastricht University Medical Center, Maastricht, Netherlands▶ 09.00 – 11.15 — *continued*

Room 1A, Level 3

09.15–09.30 **[O27] Enterobius Vermicularis Ova are a Normal Finding in the Gastric Mucosa of Children Undergoing Endoscopy in Birmingham**© N Kirkham; I Nicklaus-Wollenteit; R Bremner  
Birmingham Children's Hospital, Birmingham, UK09.30–09.45 **[O28] Gastric Cancer with Primitive Enterocyte Phenotype: An Aggressive Subgroup of Intestinal-Type Adenocarcinoma**© T Ushiku; S Yamazawa; A Shinozaki-Ushiku; M Fukayama  
The University of Tokyo, Tokyo, Japan09.45–10.00 **[O29] Epstein-Barr Virus-Associated Gastric Carcinoma: The Roles of Cellular and Viral MicroRNAs in its Carcinogenesis**© A Shinozaki-Ushiku  
The University of Tokyo Hospital, Tokyo, Japan10.00–10.30 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]10.30–10.45 **[O30] Functional Analysis of GLI1 and ZIC2, Hedgehog-Related Transcription Factors in Pancreatic Cancer Cells**© SI Inaguma; KK Kasai; HI Ito; TT Tsunoda; HI Ikeda  
Aichi Medical University, Nagakute, Japan10.45–11.00 **[O31] Non-HPV Related Squamous Cell Carcinoma of the Anal Canal and Perianal Region**© JM Trainor<sup>1</sup>; J Jamison<sup>2</sup>; H McBride<sup>1</sup>; L Travers<sup>1</sup>; WG McCluggage<sup>1</sup>; PJ Kelly<sup>1</sup>  
<sup>1</sup>Royal Victoria Hospital, Belfast, UK; <sup>2</sup>Antrim Area Hospital, Antrim, UK11.00–11.15 **[O32] Acetone Clearance of Pericorectal Fat Increases the Detection of Positive Lymph Nodes in Junior and Senior Pathologists**© CAW Leung; D Rennspiess; GE Fazzi; HI Grabsch  
Maastricht University, Maastricht, Netherlands

▶ 08.30 – 13.00

Room 1B, Level 3

**SYMPOSIUM****Renal Pathology**

Chair: Dr D O'Rourke, Belfast City Hospital, Belfast, UK  
 Prof ISD Roberts, John Radcliffe Hospital, Oxford, UK

**08.30–10.00** ***I Learned Something New From That Case***  
**— Six Presentations of Educational Renal Biopsies**

08.30–08.45 **Case 1**  
 Dr M Soares  
*Oxford University Hospitals NHS Foundation Trust, Oxford, UK*

08.45–09.00 **Case 2**  
 Dr S Coley  
*University of Glasgow, Glasgow, UK*

09.00–09.15 **Case 3**  
 Dr K Skordilis  
*University Hospital, Birmingham, UK*

09.15–09.30 **Case 4**  
 Dr T Dorman  
*Beaumont Hospital, Dublin, Ireland*

09.30–09.45 **Case 5**  
 Dr B Doyle  
*Beaumont Hospital, Dublin, Ireland*

09.45–10.00 **Case 6**  
 Dr D O'Rourke  
*Belfast City Hospital, Belfast, UK*

10.00–10.30 **Banff 2017 Report**  
 Dr C Roufosse  
*Imperial College, London, UK*

10.30–11.00 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]

11.00–11.30 **2016 Update of Lupus Nephritis Classification**  
 Dr I Bajema  
*Leiden University Medical Center, Leiden, The Netherlands*

▶ 08.30 – 13.00 — *continued*

Room 1B, Level 3

11.30–11.45 **RCPATH / Renal Registry Issues**  
 Prof M Sheaff  
*Barts and The London Health NHS Trust, London, UK*

11.45–12.30 **Renal Pathology EQA**  
 Prof ISD Roberts  
*John Radcliffe Hospital, Oxford, UK*

12.30–13.00 **Renal Transplant EQA**  
 Dr D Neil  
*University Hospital Birmingham, Birmingham, UK*

▶ 12.00 – 13.00

Room 1A, Level 3

**THE PATHOLOGICAL SOCIETY OF GREAT BRITAIN & IRELAND**  
**ANNUAL GENERAL MEETING**

(Agendas will be sent to Members)

▶ 13.00 – 14.00

Hall 1A/B, Level 1

**LUNCH, TRADE EXHIBITION and POSTER VIEWING**

▶ 13.15 – 14.00

Room 1A, Level 3

**TRAINEES' MEET THE EXPERTS**

Chair: Dr K Allen, Leeds Teaching Hospitals NHS Trust, Leeds, UK  
 Dr M Clarke, Institute of Cancer Research / Royal Marsden Hospital,  
 Surrey, UK

**[S40] Placental Examination for the Generalist**

Prof NJ Sebire  
*Great Ormond Street Hospital, London, UK*

*Separate lunch will be provided*

▶ 14.00 – 16.25

Hall 1D, Level 1

**PLENARY ORAL PRESENTATIONS**

Chair: Prof AM Flanagan, London, UK  
 Prof ISD Roberts, Oxford, UK

- 14.00–14.15 **[PL1] Thioredoxin Interacting Protein (TXNIP) is an Independent Prognostic Factor in Breast Ductal Carcinoma In Situ**  
 © I Miligy<sup>1</sup>; A Gaber<sup>2</sup>; M Diez Rodriguez<sup>1</sup>; CC Nolan<sup>1</sup>; AR Green<sup>1</sup>; IO Ellis<sup>1</sup>; EA Rakha<sup>1</sup>  
<sup>1</sup>University of Nottingham, Nottingham, UK; <sup>2</sup>Faculty of Medicine, Menofia, Egypt
- 14.15–14.30 **[PL2] Survey of UK Pathology Consultants' Attitudes Towards Academic and Molecular Pathology**  
 © SF Brockmoeller<sup>1</sup>; © C Young<sup>1</sup>; JL Lee<sup>2</sup>; M Arends<sup>3</sup>; JL Jones<sup>4</sup>; M Salto-Tellez<sup>5</sup>; GJ Thomas<sup>6</sup>; KA Oien<sup>7</sup>  
<sup>1</sup>University of Leeds, Leeds, UK; <sup>2</sup>National Cancer Research Institute, London, UK; <sup>3</sup>CRUK Edinburgh Centre, University of Edinburgh, Edinburgh, UK; <sup>4</sup>Barts Cancer Institute, Queen Mary University of London, London, UK; <sup>5</sup>Queen's University Belfast, Belfast, UK; <sup>6</sup>University of Southampton, Southampton, UK; <sup>7</sup>University of Glasgow, Glasgow, UK
- 14.30–14.45 **[PL3] Adaptive Clonal Heterogeneity During Oesophageal Cancer Progression**  
 DL Lavery<sup>1</sup>; AM Baker<sup>1</sup>; MJ Van der Wel<sup>2</sup>; SAC McDonald<sup>1</sup>; P Quirke<sup>3</sup>; MR Novelli<sup>4</sup>; M Rodriguez-Justo<sup>4</sup>; D Treanor<sup>3</sup>; TA Graham<sup>1</sup>; SL Meijer<sup>2</sup>; NA Wright<sup>1</sup>; © M Jansen<sup>5</sup>  
<sup>1</sup>Barts Cancer Institute, London, UK; <sup>2</sup>AMC, Amsterdam, Netherlands; <sup>3</sup>Leeds Teaching Hospitals NHS Trust, Leeds, UK; <sup>4</sup>University College London Hospital, London, UK; <sup>5</sup>UCL Cancer Institute, London, UK
- 14.45–15.00 **[PL4] Impact of Postmortem CT on Coronial Autopsies: Review of a Digital Autopsy Service**  
 © AMS Shavick<sup>1</sup>; JH Hamblin<sup>1</sup>; REB Benamore<sup>2</sup>; ZCT Traill<sup>2</sup>; ISR Roberts<sup>3</sup>  
<sup>1</sup>Medical Sciences Division, Oxford University, Oxford, UK; <sup>2</sup>Department of Radiology, Churchill Hospital, Oxford, UK; <sup>3</sup>Department of Cellular Pathology, John Radcliffe Hospital, Oxford, UK
- 15.00–15.25 **REFRESHMENTS and TRADE EXHIBITION** [Hall 1A/B, Level 1]
- 15.25–15.40 **[PL5] Evaluating Sudden Cardiac Death: Insights from the Largest Pathology Database for Sudden Cardiac Death in the World**  
 © JD Westaby; CJ Miles; MN Sheppard  
 St George's University of London, London, UK
- 15.40–15.55 **[PL6] Examining the Genomic Changes Which Occur in the Development of Oral Cancer from a Pre-Cancerous Background**  
 © HM Wood<sup>1</sup>; PH Rabbitts<sup>1</sup>; C Conway<sup>2</sup>  
<sup>1</sup>University of Leeds, Leeds, UK; <sup>2</sup>University of Ulster, Londonderry, UK

▶ 14.00 – 16.25 — *continued*

Hall 1D, Level 1

- 15.55–16.10 **[PL7] Genetic and Epigenetic Landscape of Chordoma with a Focus on Studying Inactivation of CDKN2A/p16**  
 © L Cottone<sup>1</sup>; P Lombard<sup>1</sup>; N Eden<sup>1</sup>; C Unwin<sup>2</sup>; H Ye<sup>2</sup>; R Tirabosco<sup>2</sup>; S Behjati<sup>3</sup>; N Pillay<sup>1</sup>; AM Flanagan<sup>1</sup>  
<sup>1</sup>University College London, London, UK; <sup>2</sup>Royal National Orthopaedic Hospital, London, UK; <sup>3</sup>Wellcome Trust Sanger Institute, Cambridge, UK
- 16.10–16.25 **[PL8] Development of a Semi-Automated Analysis Pipeline for Next-Generation Sequencing Based Targeted Mutation Data in the FOCUS4 Trial**  
 © HM Wood; M Taylor; G Hemmings; SD Richman  
 University of Leeds, Leeds, UK

▶ 16.30 – 17.15

Hall 1D, Level 1

**THE PATHOLOGICAL SOCIETY OF GREAT BRITAIN & IRELAND DONIACH LECTURE**

Chair: Prof P Quirke, President, The Pathological Society; University of Leeds, Leeds, UK

**[S41] Fields of Carcinogenesis in Breast and Oesophagus**

Dr JJ Going  
 Queen Elizabeth University Hospital, Glasgow, UK

▶ 19.30 – 23.00

Titanic Suite, Titanic Belfast

**CONFERENCE DINNER including Musical Entertainment**

Transport will be provided (departure times to be confirmed)

▶ 07.15

Room to be confirmed

**REGISTRATION and COFFEE**

▶ 09.00 – 16.30

Room 2A, Level 3

**ACEM — COMPANION MEETING**

(Association of Clinical Electron Microscopists)

*Please refer to the detailed meeting programme on page 60*

▶ 09.50 – 16.30

Room 1A, Level 1

**BAC — COMPANION MEETING**

(British Association for Cytopathology)

*Please refer to the detailed meeting programme on page 61*

▶ 09.00 – 17.00

Room 2B, Level 3

**DIE CARDIAC GROUP — COMPANION MEETING**

(Dutch Irish English Cardiac Group)

*Please refer to the detailed meeting programme on page 62*

▶ 09.00 – 13.00

Room 3A/B, Level 3

**SYMPOSIUM*****Digital Pathology for Clinical Diagnostics: Drivers for Change***

Chair: Prof PW Hamilton, Philips Digital Pathology Solutions, Belfast, UK

Dr D Treanor, University of Leeds, Leeds, UK

09.00–09.30 **RCPath Guidelines for Digital Pathology**

Dr D Treanor

*University of Leeds, Leeds, UK*09.30–10.15 **Pathology Informatics in the USA**

Dr M Tuthill

*Henry Ford Health System, Detroit, USA*10.15–11.00 **Going Digital in Pathology: Swedish Experience**

Dr A Boden

*Linköping University Hospital, Linköping, Sweden*11.00–11.15 **REFRESHMENTS** [Room to be confirmed]11.15–12.00 **Running a 100% Digital Pathology Laboratory: Challenges and Opportunities**

Dr I van den Berghe

*AZ Sint-Jan AV, Brugge-Ostend, Brugge, Belgium*▶ 09.00 – 13.00 — *continued*

Room 3A/B, Level 3

**SYMPOSIUM: *Digital Pathology for Clinical Diagnostics: Drivers for Change*** (continued)12.00–12.30 **[S42] *Digital Pathology in the NHS: Experience from a Novel Digital Pathology Training and Validation Study***

Dr BJ Williams

*St James University Hospital / University of Leeds, Leeds, UK*12.30–13.00 **Sponsored by Royal Philips**  
***Digital Pathology: Regulatory Consideration in a Changing World***

Dr E Abels

*Philips Digital Pathology Solutions, Eindhoven, The Netherlands*

▶ 09.00 – 12.00

Room 1B, Level 3

**TRAINEES' SYMPOSIUM*****Autopsy***

Chair: Dr A Stevens, Queen's University Belfast, Belfast, UK

Dr J Taylor, Belfast Health and Social Care Trust, Belfast, UK

09.00–09.40 ***Forensics: When To Call Them In / Refer***

Prof J Crane

*Queen's University Belfast, Belfast, UK*09.40–10.20 ***Digital Post-Mortem***

Prof ISD Roberts

*John Radcliffe Hospital, Oxford, UK*10.20–10.40 **REFRESHMENTS** [Room to be confirmed]10.40–11.20 ***Cardiac Post-Mortem Pathology***

Prof MN Sheppard

*St George's Hospital, University of London, London, UK*11.20–12.00 **[S43] *The PEACE Study***© Dr M Jamal-Hanjani<sup>1</sup>; C Swanton<sup>2</sup><sup>1</sup>UCL Cancer Institute, London, UK; <sup>2</sup>Francis Crick Institute, London, UK

▶ 12.00 – 13.00

Room to be confirmed

**LUNCH**

▶ 12.00 – 13.00

Room to be confirmed

**TRAINEES' NETWORK LUNCH***Separate lunch will be provided*

▶ 13.00 – 14.30

Room 1B, Level 3

**TRAINEES' SESSION****Slide Seminar Discussion**

Chair: Dr P Macklin, John Radcliffe Hospital, Oxford, UK

Dr S Waise, University Hospital NHS Trust, Southampton, UK

13.00–13.10 **Case 1**

Dr E Clarke

*Leeds Teaching Hospitals NHS Trust and University of Leeds, Leeds, UK*13.10–13.20 **Case 2**

Dr K Allen

*University of Leeds, Leeds, UK*13.20–13.30 **Case 3**

Dr A Stevens

*Belfast Health and Social Care Trust, Belfast, UK*13.30–13.40 **Case 4**

Dr J Taylor

*Belfast Health and Social Care Trust, Belfast, UK*13.40–13.50 **Case 5**

Dr R Cooper

*Southampton University Hospital, Southampton, UK*13.50–14.00 **Case 6**

Dr M Clarke

*Institute of Cancer Research, Royal Marsden Hospital, London, UK*14.00–14.10 **Case Competition Winner — Trainee***To be announced*14.10–14.20 **Case Competition Winner — Undergraduate***To be announced*14.20–14.30 **Discussion**

▶ 14.30 – 14.50

Room to be confirmed

**REFRESHMENTS**

▶ 14.50 – 15.30

Room to be confirmed

**TRAINEES' LECTURE**

Chair: Dr P Macklin, John Radcliffe Hospital, Oxford, UK

Dr S Waise, University Hospital NHS Trust, Southampton, UK

**How to Train in Molecular Pathology**

Prof M Salto-Tellez

*Queen's University Belfast, Belfast, UK*

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*End of Conference***COMPANION MEETINGS — programmes detailed overleaf**

## ▶ 09.00 – 17.00 COMPANION MEETING Room 2A, Level 3

**ASSOCIATION OF CLINICAL ELECTRON MICROSCOPISTS (ACEM)**

- 09.00–09.40 **Deciphering the Renal Biopsy Request Form: A Guide for Beginners**  
Dr C Roufosse  
*Imperial Healthcare Trust, Hammersmith Hospital, London, UK*
- 09.40–10.10 **NEQAS Diagnostic TEM EQA: A New Scheme Launch**  
Mrs T de Haro  
*Leicester Royal Infirmary, Leicester, UK*
- 10.10–10.30 **Diamond and Glass Knife Care and Use: Presentation and Discussion**  
Dr A Page  
*Southampton General Hospital, Southampton, UK*
- 10.30–11.00 **Refreshments** [Room to be confirmed]
- 11.00–11.45 **Electron Microscopy of Abnormal Deposits and Inclusions**  
Dr J Schroeder  
*Regensburg, Germany*
- 11.45–12.00 **Group Photograph and Signing In**
- 12.00–12.20 **The Future of Electron Microscopy**  
Mr B Wagner  
*Royal Hallamshire Hospital, Sheffield, UK*
- 12.20–13.30 **Lunch** [Room to be confirmed]
- 13.30–14.00 **3-Dimensional Electron Microscopy**  
Mrs P Goggin  
*Southampton General Hospital, Southampton, UK*
- 14.00–14.30 **ISO 15189 Accreditation and the EM Laboratory**  
Ms R Doherty  
*Southampton General Hospital, Southampton, UK*
- 14.30–15.00 **Search for a Uranyl Acetate Substitute**  
Dr A Shoemark  
*Royal Brompton Hospital, London*
- 15.00–15.30 **Refreshments** [Room to be confirmed]
- 15.30–16.00 **Ultrastructure of Desmosomes as a Diagnostic Clue in a Case of Congenital Skin Fragility Syndrome**  
Dr A Dragomir  
*Uppsala, Sweden*
- 16.00–17.00 **AGM**

## ▶ 09.50 – 16.30 COMPANION MEETING Room 1A, Level 3

**BRITISH ASSOCIATION FOR CYTOPATHOLOGY (BAC)****Interventional Cytopathology**

- 09.50–10.00 **Welcome**
- 10.00–11.00 **EUS FNA Diagnosis of Pancreatic Pathology**  
Prof S Ali  
*The John Hopkins Hospital, Baltimore, USA*
- 11.00–12.00 **EBUS TBNA Molecular Cytodiagnosis of Thoracic Malignancies**  
Prof M Salto-Tellez  
*Queen's University Belfast, Belfast, UK*
- 12.00–13.00 **Lunch** [Room to be confirmed]
- 13.00–14.00 **EUS FNA of Pancreatic Pathology**  
Prof S Ali  
*The John Hopkins Hospital, Baltimore, USA*
- 14.00–15.00 **EBUS TBNA of Thoracic Pathology**  
Dr M Moonim  
*Guy's and St Thomas' Hospitals, London, UK*
- 15.00–15.30 **Refreshments** [Room to be confirmed]
- 15.30–16.30 **FNA Head and Neck Pathology**  
Prof S Ali  
*The John Hopkins Hospital, Baltimore, USA*



▶ 09.00 – 17.00

COMPANION MEETING

Room 2B, Level 3

**DUTCH IRISH ENGLISH (DIE) CARDIAC GROUP**

Chair: Prof MN Sheppard, St George's Medical School, London, UK

- 09.00–09.45 **Approach to the Molecular Cardiac Autopsy**  
Prof MN Sheppard
- 09.45–10.30 **Sudden Cardiac Death in Ireland**  
Dr A Fabre
- 10.30–11.00 **Results of Family Screening**  
Dr J Galvin
- 11.00–11.30 **Refreshments** [Room to be confirmed]  
Chair: Prof A van der Wal
- 11.30–12.00 **Atheroma: Its Evolution and New Therapies**  
Prof M Daemen
- 12.00–12.30 **Cardiomyopathies Overview**  
Dr A Vink
- 12.30–13.00 **Phospholamban Cardiomyopathy**  
Prof AJH Suurmeijer
- 13.00–14.00 **Lunch** [Room to be confirmed]  
Chair: Dr A Fabre
- 14.00–14.45 **Valve Disease in the Modern Era**  
Dr JL Robertus
- 14.45–15.30 **Complications of Aortic Valve Replacement**  
Prof A van der Wal
- 15.30–16.00 **Refreshments** [Room to be confirmed]
- 16.00–16.30 **Thoracic Aortic Aneurysm and Dissection**  
Dr JH von der Thüsen
- 16.30–17.00 **Interesting Challenging Cases**  
Dr J Westaby and Dr A Fabre

**ABSTRACT REVIEWERS**

- |                               |                                |
|-------------------------------|--------------------------------|
| Prof MJ Arends, Edinburgh     | Dr B Loftus, Dublin            |
| Dr EW Benbow, Manchester      | Dr M Loughrey, Belfast         |
| Prof DM Berney, London        | Dr P Maxwell, Belfast          |
| Dr C Boyd, Antrim             | Prof WG McCluggage, Belfast    |
| Dr T Brenn, Edinburgh         | Dr C McGalie, Craigavon        |
| Dr L Burke, Cork              | Dr S McQuaid, Belfast          |
| Prof SS Cross, Sheffield      | Prof GI Murray, Aberdeen       |
| Prof MQ Du, Cambridge         | Dr S Napier, Belfast           |
| Prof RM Feakins, London       | Prof AG Nicholson, London      |
| Prof S Fleming, Dundee        | Dr M Osborn, London            |
| Prof AJ Freemont, Manchester  | Dr D Poller, Portsmouth        |
| Prof CS Herrington, Edinburgh | Prof E Rakha, Nottingham       |
| Dr J Houghton, Belfast        | Prof ISD Roberts, Oxford       |
| Dr O Houghton, Belfast        | Prof G Thomas, Southampton     |
| Dr TS Jacques, London         | Dr D Treanor, Leeds            |
| Prof E Kay, Dublin            | Prof P van der Valk, Amsterdam |
| Dr P Kelly, Belfast           | Dr L Venkatraman, Belfast      |
| Dr M Khan, Nottingham         | Prof KP West, Leicester        |

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