



Leeds Pathology 2019

12th Joint Meeting of the British Division of the
International Academy of Pathology and the
Pathological Society of Great Britain & Ireland
2 – 4 July 2019

Hosted by
Division of Pathology and Data Analytics
University of Leeds · Leeds · West Yorkshire · UK



Venue
Harrogate Convention Centre · Entrance 1 · King's Road
Harrogate · North Yorkshire · HG1 5LA · UK



Companion Meetings
Association of Clinical Electron Microscopists
CM-Path

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For abstract listings please refer to our meeting website: www.path.org.uk

▶ Invited Speakers ▶ Plenary Oral and Oral ▶ Posters

PROGRAMME ACKNOWLEDGEMENTS

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REGISTRATION FEES

Delegate Type (shown in bold) <i>Fee Category (shown in italic)</i>	Early Bird		Standard		Late Booking	
	Per Day or Part Day	Conference Dinner	Per Day or Part Day	Conference Dinner	Per Day or Part Day	Conference Dinner
BDIAP, IAP, or Pathological Society Member <i>Ordinary Member, Consultant and/or equivalent position</i>	£140	£60	£220	£80	£250	£80
BDIAP, IAP, or Pathological Society Concessionary Member <i>Biomedical Scientist; Honorary or Senior Member; PhD Student; Post-Doctoral Fellow, Technician and Trainee</i>	£50	£60	£90	£80	£120	£80
Pathological Society Undergraduate Student Member <i>Undergraduate Student</i>	Free	£30	Free	£30	£40	£30
Non-Member <i>Consultant; Non-Training Grade; Career Grade; Staff; Senior Scientists and Clinicians</i>	£195	£60	£290	£80	£320	£80
Non-Member Concessionary * <i>Biomedical Scientist; PhD Student; Post-Doctoral Fellow, Technician and Trainee</i>	£65	£60	£105	£80	£135	£80
Non-Member Undergraduate Student * <i>Undergraduate Student</i> Refer to special offer detailed on the next page	£65	£60	£105	£80	£135	£80

Early Bird Fees To qualify: register before 23.59 (UK time) on Tuesday 28 May 2019

Standard Fees To qualify: register after 00.01 (UK time) on Wednesday 29 May 2019 but before 23.59 (UK time) on Monday 10 June 2019

Late Booking Fees For those who register after 00.01 (UK time) on Monday 10 June 2019

* CONCESSIONS

Delegates from categories: *Non-Member Undergraduate Student* and *Non-Member Concessionary* must provide 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 (see below):

A template document is available on our website: www.path.org.uk
Documents to be uploaded via the registration system.

REGISTRATION

Registration is **online only** via: www.path.org.uk

You may register on-site but we are unable to accept cash payment.

DELEGATE ENROLMENT AT THE MEETING

Enrolment at the Delegate Reception Desk will take place from 07.20 on Tuesday 2 July and from 07.30 on Wednesday 3 and Thursday 4 July.

CANCELLATIONS

A cancellation fee of £20 will be deducted from any refund due for cancellations received in writing **by Monday 10 June 2019**.

No refunds will be made **after Monday 10 June 2019**.

REFRESHMENTS

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

SPECIAL OFFER

Non-Member Undergraduates

Join the Pathological Society (free of charge) and you will benefit from free registration for *Leeds Pathology 2019* and all future Pathological Society scientific meetings.

You can obtain application details from our website.

Please use the Direct Link to the right.

[Join for free](#)

Non-Member Concessionary

Join the Pathological Society or the British Division of the International Academy of Pathology (BDIAP) to benefit from reduced registration fees. You can obtain application details from our websites:

<http://www.pathsoc.org/index.php/about/joining-the-pathological-society>

<http://bdiap.org/membership-2/>

COMPANION MEETINGS**Wednesday 3 July**

08.45–17.00 [Queens Suite 3]

ACEM (Association of Clinical Electron Microscopists)**Thursday 4 July**

08.30–12.30 [Queens Suite 3]

CM-Path**NAMED LECTURES****Tuesday 2 July**

12.00–12.45 [Auditorium]

BDIAP Kristin Henry Lecture*A Journey with the IAP, Past, Present and Future*

Prof RFT McMahon, Manchester, UK

17.20–18.00 [Auditorium]

Public Lecture*The 100,000 Genomes Project and Cancer*

Prof JL Jones, London, UK

Wednesday 3 July

12.00–12.45 [Auditorium]

Pathological Society CL Oakley Lecture*An Evolutionary Perspective on Early Cancer Detection*

Dr M Jansen, London, UK

16.50–17.30 [Auditorium]

Pathological Society Doniach Lecture*Colorectal Cancer Biomarkers: From Molecular Modelling to Immunohistochemistry*

Prof GI Murray, Aberdeen, UK

ORAL PRESENTATIONS

Oral presentations are integrated into the symposia sessions. Presentations are allocated 10 minutes each, to include discussion.

Speakers are reminded that no communication may exceed the time allocated on the programme without the consent of the meeting, obtained through the Chair.

PLENARY ORAL SESSION [Auditorium]

The eight highest-ranked submitted oral abstracts will be presented on Wednesday 3 July, 14.00–16.30.

Prize

A monetary prize will be given for the best presentation, donated by *The Journal of Pathology* will be presented at the Conference Dinner on Wednesday 3 July.

POSTERS, VIEWING AND OFFICIAL ROUNDS [Hall D]**Poster Display**

It is requested of all Presenters that posters should be in place by 09.00 hrs on Tuesday 2 July and must be removed by 16.00 hrs on Thursday 4 July 2019.

Poster Size

Poster boards will be landscape orientation, A0 size (841 mm high x 1189 mm wide). Please do not exceed these dimensions. Fixings will be provided.

For information on the poster printing service visit: www.scienceposters.co.uk

Viewing

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

Formal Poster Viewing and Official Rounds

Tuesday 2 July 09.55–10.55

Wednesday 3 July 09.55–10.55

Thursday 4 July 09.55–10.55

Poster round chairs will be circulating during these times to select the winners of the following prizes. Every poster presenter is expected to give a three minute rapid-fire presentation of their poster to the official jury, and to answer questions.

POSTER PRIZES**BDIAP POSTER PRIZES**

Prizes of £400, £300 and £200 will be awarded for the best three posters relevant to diagnostic pathology.

PATHOLOGICAL SOCIETY POSTER PRIZES

Pathological Society's Sir Alastair Currie Prize (£400), second prize (£300) and third prize (£200) will be awarded for the best posters.

CAMBRIDGE UNIVERSITY PRESS PRIZES

Three prizes of £100 book vouchers will be awarded for the best posters of Trainees and Undergraduates.

POSTER PRIZES**Winner Announcements and Prize Presentations [Hall D]**

Winners will be announced on Thursday 4 July 2019 at 13.00 hrs in Hall D.

POSTER PUBLICATION

The presenting author (or another author) must attend their allocated poster round in order for the abstract to be published in the *Journal of Pathology On-line Supplement* after the meeting (and at the Editor's discretion).

SYMPOSIA**Tuesday 2 July**

- 08.30–17.15 [Auditorium]
Urological Pathology: Joint Session with the BAUP
- 08.30–11.50 [Queens Suite 1]
Whole Genomes: Biology and Translation
- 08.30–11.50 [Queens Suite 2]
Gynaecological Pathology
- 14.00–17.10 [Queens Suite 1]
Molecular Pathology Driving Practice
- 14.00–17.10 [Queens Suite 2]
Breast Pathology

Wednesday 3 July

- 08.30–11.50 [Auditorium]
Hepatobiliary Pathology
- 08.30–11.50 [Queens Suite 1]
Molecular Pathology Pathways
- 08.30–11.50 [Queens Suite 2]
Head and Neck Pathology

Thursday 4 July

- 08.30–12.00 [Auditorium]
Pulmonary Pathology
- 08.30–11.50 [Queens Suite 1]
Advances in Proteins
- 08.30–11.50 [Queens Suite 2]
Dermatopathology
- 14.00–17.00 [Auditorium]
Gastrointestinal Pathology
- 14.00–17.10 [Queens Suite 1]
Digital and Advanced Microscopy

TRAINEES' PROGRAMME**Thursday 4 July**

12.30–17.05 [Queens Suite 2]
Trainees' Workshop

UNDERGRADUATE DAY**Tuesday 2 July**

09.00–17.00 [Queens Suite 3]
Undergraduate Day

TRADE EXHIBITION [Hall D]

Delegates are encouraged to visit the Trade Exhibition.

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

The Royal College of Pathologists has approved the Conference as detailed below.

	Full Day*
Tuesday 2 July	9 credits
Wednesday 3 July	9 credits
Thursday 4 July	9 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.

VENUE LOCATION

Harrogate Convention Centre, Door 1, King's Road, Harrogate, HG1 5LA, UK. For travel information please use the Direct Link to the right.

[Travel](#)

ACCOMMODATION

Hotel accommodation has been reserved for delegates. For information please use the Direct Link to the right.

[Accommodation](#)

SOCIAL ACTIVITIES**WELCOME RECEPTION**

To be held on Tuesday 2 July 2019, 19.00–21.00, at the Sun Pavilion, Harrogate. For more details about the venue please use the Direct Link to the right.

[Sun Pavilion](#)

CONFERENCE DINNER AND MUSICAL ENTERTAINMENT

To be held on Wednesday 3 July 2019, 19.00–23.30, at the Royal Hall, Ripon Road, Harrogate, HG1 2SY.

For more details about the Royal Hall please use the Direct Link to the right.

[Royal Hall](#)

Musical entertainment is provided by 'Spaced'. Use the Direct Link to the right for information about 'Spaced'.

[Band: 'Spaced'](#)

Ticket prices:

- ▶ Undergraduates: £ 30.00
- ▶ All other delegates (*up to* Tuesday 28 May 2019, 23.59 hrs): £ 60.00
- ▶ All other delegates (*after* Wednesday 29 May 2019, 00.01 hrs): £ 80.00

Please book your ticket when registering.

LOCAL PLACES OF INTEREST

For information please use the Direct Link to the right.

[Places of Interest](#)

NOTICE TO MEMBERS

Please ensure that all relevant information regarding this meeting is passed on to any non-members who wish to participate.

BADGES

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

REFRESHMENTS [Hall D]

All refreshments will be served in Hall D.

COATS AND BAGS [Ground Floor]

Storage facilities for coats and bags will be provided on the ground floor.

MESSAGES

During the Meeting, messages for delegates may be left at the following telephone numbers: +44 (0)7964 024118 and +44 (0)7887 560177.

PRESENTATIONS**Presentation Checking and Preview [Ground Floor Restaurant]**

Presentation Checking and Preview facilities will be provided.

Presenters must attend the Presentation Checking Room at least 1 hour before their designated presentation time.

Presentation Format (Oral Presentations/Lectures)

Powerpoint only.

Must also be PC compatible and pre-loaded onto a USB memory stick.

For full Speakers' Guidelines please visit this link:

<http://www.path.org.uk/meeting-arrangements/>

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.

ENQUIRIES

Conference website: www.path.org.uk

Pathological Society of Great Britain & Ireland

Address 7th Floor, 6 Alie Street, London E1 8QT

Telephone +44 (0)20 484 8046 / 8047

E-mail admin@pathsoc.org

British Division of the International Academy of Pathology

Address 7th Floor, 6 Alie Street, London E1 8QT

Telephone +44 (0)20 484 8048 / 8049

E-mail administrator@bdiap.org

FURTHER INFORMATION

Any further information or amendments to this programme will be posted on the meeting website: www.path.org.uk

Please note all timings, titles and speakers are subject to alteration.

FUTURE MEETINGS**British Division of the IAP**

- 2019** 8–10 August, Riga, Latvia
The 11th Junior Academy Summer School
- 2–3 November, Sarejevo, Bosnia and Herzegovina
Bryan Warren School of Pathology
- 22–23 November, London
BDIAP Symposium on Gynaecological Pathology

- 2020** March (date and location to be announced)
Molecular Pathology Study Day
- March (date and location to be announced)
Approach to Cut-Up Day
- 29 August – 2 September, Glasgow
The 33rd (XXXIII) International Congress of the International Academy of Pathology and the 32nd Congress of The European Society of Pathology (Jointly sponsored by the ESP)

Pathological Society

- 2020** 21–22 January, London
Winter Meeting (Jointly with the RSM)
- February, London
Winter School for Trainees

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

- 2021** June/July, Birmingham
Birmingham Pathology 2021

ABSTRACT REVIEWERS

- | | |
|------------------------------|--------------------------------|
| Dr F Amary, London | Dr A Merve, London |
| Dr EW Benbow, Manchester | Prof AG Nicholson, London |
| Prof DM Berney, London | Dr M Osborn, London |
| Dr T Brenn, Calgary | Dr S Paine, Nottingham |
| Dr RJ Byers, Manchester | Prof SE Pinder, London |
| Prof SS Cross, Sheffield | Dr D Poller, Portsmouth |
| Dr S Dojcinov, Cardiff | Prof CM Quinn, Dublin |
| Prof RM Feakins, London | Dr A Sandison, London |
| Prof S Fleming, Dundee | Prof M Sheaff, London |
| Prof AJ Freemont, Manchester | Prof M Sheppard, London |
| Prof TR Helliwell, Liverpool | Dr EJ Soilleux, Cambridge |
| Prof SG Hubscher, Birmingham | Prof P van der Valk, Amsterdam |
| Dr M Khan, Nottingham | Prof C Verrill, Oxford |
| Dr N Kirkham, Glasgow | Prof KP West, Leicester |
| Dr M Loughrey, Belfast | Dr N Wilkinson, London |
| Dr S Manek, Oxford | |

▶ 07.20 – 08.20

Hall D

REGISTRATION AND COFFEE

▶ 08.15 – 08.25

Auditorium

WELCOME ADDRESS

Prof P Quirke
University of Leeds, Leeds, UK

▶ 08.30 – 11.50

Auditorium

SYMPOSIUM**Urological Pathology**

(Joint Session with the British Association of Urological Pathology)

Chair: Prof DM Berney, Barts and The London School of Medicine,
London, UK
Dr S Bhattarai, University of Leeds, Leeds, UK

08.30–09.00 **PD-L1 Assessments in Urothelial Carcinoma**

Dr P Taniere
University Hospital Birmingham, Birmingham, UK

09.00–09.45 **New and Old Variants of Urothelial Carcinoma**

Dr J McKenney
Cleveland Clinic, Cleveland, Ohio, USA

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 23 for details10.55–11.20 **Staging and Sub-Staging Urothelial Carcinoma**

Prof E Comperat
Tenon Hospital, Paris, France

11.20–11.30 **[O1] Comparison Between Two Uro-pathologists in Percentage Estimation of Gleason 4 Burden Using Digital Pathology**

© LM Carmona Echeverria¹; A Freeman²; A Haider²;
U Stopka-Farooqui¹; C Cardona Barrena¹; H Pye¹; M Emberton¹;
H Whitaker¹
¹University College London, London, UK; ²University College Hospital London, London, UK

11.30–11.40 **[O2] Deep Learning Analysis Identifies Lymphocytic Infiltration as a Prognostic Factor in Patients with Muscle-Invasive Bladder Cancer**

© GG Christos¹; N Brieu²; NP Ines¹; JD Harrison¹; G Schmidt²; PD Caie¹
¹University of St Andrews, St Andrews, UK; ²Definiens AG, München, Germany

▶ 08.30 – 11.50 — *continued*

Auditorium

11.40–11.50 **[O3] Improving Adherence to NICE Guidelines for the Follow Up of NMIBC: Are We Over-Investigating?**

© S Walklett; S Simeen; R Ellis; D Bodiwala
Kings Mill Hospital, Sutton-in-Ashfield, UK

▶ 08.30 – 11.50

Queens Suite 1

SYMPOSIUM**Whole Genomes – Biology and Translation**

Chair: Prof M Salto-Tellez, Queen's University Belfast, Belfast, UK
Dr NP West, University of Leeds, Leeds, UK

08.30–08.55 **[S1] Exploring the Junk in Our Genomes: The Blurred Boundary Between Coding and Non-Coding RNAs**

K Douka¹; D Wang²; I Birds¹; S Clayton³; A Byford³; J Deuchars³;
A Whitehouse¹; © Dr JL Aspden¹

¹School of Molecular and Cellular Biology, Faculty of Biological Sciences, University of Leeds, Leeds, UK; ²LeedsOmics, University of Leeds, Leeds, UK; ³School of Biomedical Science, Faculty of Biological Sciences, University of Leeds, Leeds, UK

08.55–09.20 **What Have We Learnt About Cancer?**

Prof S Aparicio
University of British Columbia, Vancouver, Canada

09.20–09.45 **The 100,000 Genomes Project**

Prof Sir M Caulfield
Queen Mary University of London, London, UK

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 23 for details10.55–11.20 **[S2] How will the 100,000 Genomes Project Affect Histopathologists?**

© Prof JL Jones
Barts Cancer Institute, QMUL, London, UK

11.20–11.30 **[O4] Pan-Sarcoma Molecular Fingerprints of Copy Number Change Reveal Distinct Tumour Biology**

© CD Steele¹; K Haase²; M Tarabichi²; S Behjati³; MF Amary⁴;
R Tirabosco⁴; P Van Loo²; AM Flanagan¹; LB Alexandrov⁵; N Pillay¹
¹UCL Cancer Institute, London, UK; ²The Francis Crick Institute, London, UK; ³Wellcome Trust Sanger Institute, Hinxton, UK; ⁴Royal National Orthopaedic Hospital NHS Trust, Stanmore, UK; ⁵University of California, San Diego, San Diego, USA

▶ 08.30 – 11.50 — *continued*

Queens Suite 1

SYMPOSIUM (*continued*)**Whole Genomes – Biology and Translation**11.30–11.40 **[O5] Deciphering Tumour Evolution in Neuroendocrine Lung Cancers**

Ⓢ L Brownlee¹; R Veeriah¹; R Rosenthal¹; DA Moore¹;
C Swanton (TRACERx Consortium)²; M Jamal-Hanjani¹
¹UCL Cancer Institute, London, UK; ²The Francis Crick Institute, London, UK

11.40–11.50 **[O6] The Role of Micro-RNAs 21, 200c, 204, 205 and 211 as Diagnostic Biomarkers of Benign, Dysplastic and Malignant Melanocytic Lesions**

Ⓢ K Quiohilag¹; P Caie²; T Brenn³; A Oniscu¹; D Harrison⁴
¹Royal Infirmary Edinburgh, Edinburgh, UK; ²University of St Andrews, St Andrews, UK;
³University of Calgary, Calgary, Canada; ⁴Royal Infirmary Edinburgh; University of St Andrews, Edinburgh, UK

▶ 08.30 – 11.50

Queens Suite 2

SYMPOSIUM**Gynaecological Pathology**

Chair: Dr N Orsi, University of Leeds, Leeds, UK
Dr N Wilkinson, University College London, London, UK

08.30–08.55 **[S3] Latest Developments in Lynch Syndrome and the Reproductive Tract**

Ⓢ Dr IM Frayling
Institute of Medical Genetics, University Hospital of Wales, Cardiff, UK

08.55–09.20 **[S4] Molecular Pathology of Diagnostic Evaluation in Lynch Syndrome**

Ⓢ Prof MJ Arends
University of Edinburgh, Edinburgh, UK

09.20–09.45 **[S5] Case Presentation: Spectrum of MMR Deficient Cases in Routine Practice**

Ⓢ Dr AD Attygalle
Royal Marsden Hospital, London, UK

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 23 for details▶ 08.30 – 11.50 — *continued*

Queens Suite 2

10.55–11.20 **[S39] The Management of Gynaecological Cancers in Lynch Syndrome: The Manchester International Consensus Meeting**
Ⓢ Dr EJ Crosbie; NAJ Ryan; Manchester International Consensus Group; DG Evans;
University of Manchester, Manchester, UK11.20–11.30 **[O7] The Impact of Morbid Obesity and Weight Loss on the Immune Microenvironment of the Endometrium**
A Naqvi¹; M Mackintosh²; A Derbyshire³; AM Tsakiroglou³; T Walker³;
R Mcvey⁴; J Bolton⁴; M Fergie³; S Bagley⁵; G Ashton⁵; P Pemberton⁴;
A Syed⁶; B Ammouri⁶; R Byers⁴; Ⓢ E Crosbie⁴
¹University of Manchester Medical School, Manchester, UK; ²St Mary's Hospital, Manchester, UK; ³University of Manchester, Manchester, UK; ⁴Central Manchester Foundation Trust, Manchester, UK; ⁵Cancer Research UK Institute of Clinical Sciences, Manchester, UK; ⁶Salford Royal Foundation Trust, Manchester, UK11.30–11.40 **[O8] Serous Adenocarcinoma of the Endometrium (ESC): A Retrospective Review of Histological Features and Clinicopathological Correlation**

Ⓢ K Deodhar; A Agarwal; R Dusane; B Rekh; S Menon
Tata Memorial Hospital, Mumbai, India

11.40–11.50 **[O9] Expression Patterns of Immunohistochemical Markers p16 and HPV E4 on Biopsy Provide a Reproducible, Potentially Clinically Useful Classification of Cervical and Anal High-Grade Squamous Intraepithelial Lesions (SIL)**

Ⓢ D Jenkins¹; A Leeman¹; J Doorbar²; WGV Quint¹
¹DDL Diagnostic Laboratory, Rijswijk, NL; ²University of Cambridge, Dept. of Pathology, Cambridge, UK

▶ 09.00 – 11.45

Queens Suite 3

UNDERGRADUATE DAY

Chair: Dr RJ Byers, University of Manchester, Manchester, UK
 Dr H Rizvi, Barts Hospital London, London, UK

09.00–09.30 **The Royal College of Pathologists and Undergraduate Education**
 Dr H Rizvi
Barts Hospital London, London, UK

09.30–09.40 **Undergraduate Oral Presentation 1**
[P12] Over Expression of Retinoid X Receptor Gamma (RXRG) Predict Good Prognosis in Oestrogen Receptor Positive Breast Cancer
 C Joseph; © S Al-izzi; M Alsaleem; S Kurozumi; MS Toss; M Arshad; FQ Goh; MA Aleskandarany; NP Mongan; AR Green; IO Ellis; EA Rakh
University of Nottingham, Nottingham, UK

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]

09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 23 for details

10.55–11.25 **[S6] A Day in the Life of a Histopathologist**
 © Dr SC Lishman
North West Anglia NHS Foundation Trust, Peterborough, UK

11.25–11.35 **Undergraduate Oral Presentation 2**
[P14] CD133 Over-Expression in Breast Cancer: A Marker of Poor Prognosis
 C Joseph; © M Arshad; S Kurozumi; M Althobiti; IM Miligy; S Al-izzi; MS Toss; F Goh; SJ Johnston; SG Martin; IO Ellis; NP Mongan; AR Green; EA Rakha
University of Nottingham, Nottingham, UK

11.35–11.45 **Undergraduate Oral Presentation 3**
[P150] Combining RNAscope and IHC results to Identify a C-MET Aberrant High-Risk Colorectal Cancer Patient Subgroup with a High RNA and Low Protein Expression Profile
 © SP Mende; S Craig; V Bingham; S McQuaid; J James; M Salto-Tellez
Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, UK

▶ 09.55 – 10.55

Hall D

POSTER VIEWING and OFFICIAL ROUNDS

GROUP – CATEGORY	POSTER NUMBER	CHAIR
1 – Autopsy/Forensic (1); Education (7);	P1–P10 *	Dr EW Benbow, Manchester; Dr RJ Byers, Manchester
2 – Breast 1	P11–P23 *	Dr R Deb, Derby; Prof I Ellis, Nottingham
3 – Breast 2	P24–P35	Prof AM Hanby, Leeds; Dr R Salgado, Melbourne
4 – Genitourinary 1	P36–P44 *	Prof DM Berney, London; Prof E Comperat, Paris
5 – Genitourinary 2 (5); Renal (3)	P45–P52	Dr J McKenney, USA; Dr M Varma, Cardiff
6 – Gynaecological 1	P53–P62 *	Prof CS Herrington, Edinburgh; Dr N Wilkinson, London
7 – Gynaecological 2	P63–P72	Prof MJ Arends, Edinburgh; Dr A Attygalle, London

* Posters P2, P7, P22, P40 and P55 have been withdrawn.

▶ 12.00 – 12.45

Auditorium

BDIAP KRISTIN HENRY LECTURE

Chair: Prof ISD Roberts, Oxford University Hospitals, Oxford, UK

A Journey with the IAP, Past, Present and Future

Prof RFT McMahon
University of Manchester, Manchester, UK

▶ 12.45 – 14.00

Hall D

LUNCH, TRADE EXHIBITION AND POSTER VIEWING

▶ 14.00 – 17.15

Auditorium

SYMPOSIUM (continued)**Urological Pathology***(Joint Session with the British Association of Urological Pathology)*

Chair: Dr M Varma, Cardiff University, Cardiff, UK

Prof C Verrill, John Radcliffe University Hospital, Oxford, UK

14.00–15.00 **EQA Presentation: Circulation Y***(Joint Presentation)*

Dr JP Dormer

Leicester Royal Infirmary, Leicester, UK

Dr N Mayer

Cork University Hospital, Cork, Ireland

Dr J Oxley

*Southmead Hospital, Bristol, UK*15.00–15.15 **Teaching Cases in EQA***(Joint Presentation)*

Prof E Comperat

Tenon Hospital, Paris, France

Dr J McKenney

*Cleveland Clinic, Cleveland, Ohio, USA*15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]
POSTER VIEWING [Hall D]**15.50–16.15 **[S7] Stromal Tumours of the Bladder**

© Dr JH Shanks

*The Christie NHS Foundation Trust, Manchester, UK*16.15–16.40 **[S38] Changing Landscape in the Management of Advanced Bladder Cancer**

© Prof SA Hussain

*University of Sheffield, Weston Park Cancer Centre, Sheffield, UK*16.40–17.05 **In Situ Lesions in the Bladder**

Prof E Comperat

*Tenon Hospital, Paris, France*17.05–17.15 **BAUP BUSINESS MEETING**

▶ 14.00 – 17.10

Queens Suite 1

SYMPOSIUM**Molecular Pathology Driving Practice**

Chair: Prof AM Flanagan, University College London, London, UK

Prof HI Grabsch, Maastricht University Medical Center+,
Maastricht, NL14.00–14.25 **Breast Cancer: Phenotype vs. Genotype**

Prof IO Ellis

*University of Nottingham, Nottingham, UK*14.25–14.50 **[S8] Colorectal Cancer: Phenotype vs. Genotype**

© Dr NP West

*University of Leeds, Leeds, UK*14.50–15.15 **Soft Tissue Sarcomas: Phenotype vs. Genotype**

Prof AM Flanagan

*University College London, London, UK*15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]
POSTER VIEWING [Hall D]**15.50–16.15 **[S9] Tools You Need to Analyse Genomics**

© Dr HM Wood

*University of Leeds, Leeds, UK*16.15–16.40 **The Colorectal Microbiome: Its Potential to Change Practice**

Dr C Young

*University of Leeds, Leeds, UK*16.40–16.50 **[O10] DNA Methylation in Amyotrophic Lateral Sclerosis**

© CS Appleby-Mallinder; PR Heath; JR Highley

*University of Sheffield, Sheffield, UK*16.50–17.00 **[O11] The Use of HOT_ARMS PCR in Liquid Biopsies for the Management of Patients With Colorectal Cancer**

© JCH Hassall; MI Ilyas

*Queen's Medical Centre/University of Nottingham, Nottingham, UK*17.00–17.10 **[O12] An Assessment of EGFR Pathway Mutations and ALK Rearrangements in Lung Cancer by Next Generation Sequencing and Fluorescent In situ Hybridisation in a Regional NHS Genomic Testing Service**

© P Chinya; L ElSaboni; D Wallace; E Verghese; NP West; KM Marks

St James's University Hospital, Leeds, UK

▶ 14.00 – 17.10

Queens Suite 2

SYMPOSIUM**Breast Pathology**

Chair: Prof AM Hanby, University of Leeds, Leeds, UK
 Prof SE Pinder, King's College London, London, UK

14.00–14.25 **[S10] TILs: The Next Morphological Biomarker in Breast Cancer for Daily Practice Use?**

© Dr R Salgado

Peter MacCallum Cancer Centre, Melbourne, Australia

14.25–14.50 **B3 Lesions of the breast: Diagnosis, Management and Outcome from NHSBSP**

Dr R Deb

Royal Derby Hospital, Derby, UK

14.50–15.15 **[S40] Molecular DCIS Update**

Dr E Sawyer

King's College London, London, UK

15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]
 POSTER VIEWING [Hall D]**

15.50–16.15 ***The Weird and Wonderful from My Referral Practice***

Prof IO Ellis

University of Nottingham, Nottingham, UK

16.15–16.40 **[S11] Breast Digital Pathology in Day-to-Day Practice**

© Dr RA Millican-Slater

Leeds Teaching Hospitals Trust, Leeds, UK

16.40–16.50 **[O13] Enhanced Glutamine Uptake Influence Composition of Immune Cells Infiltrates in Breast Cancer**

© R El Ansari; ML Craze; M Althobiti; L Alfarsi; IO Ellis; EA Rakha; AR Green

University of Nottingham, Nottingham, UK

▶ 14.00 – 17.10 — *continued*

Queens Suite 2

16.50–17.00 **[O14] Normothermic Ex-Vivo Perfusion of Human Lymph Nodes: A Feasibility Study**

R Barrow-McGee¹; J Procter¹; J Owen²; N Woodman²; C Lombardelli²; A Kothari³; T Kovacs³; M Douek⁴; S George³; P Barry⁵; K Ramsey⁵; A Gibson¹; R Buus⁶; E Holgerson¹; R Natrajan¹; S Haider¹; MJ Shattock⁷; C Gillett²; ANJ Tutt¹; SE Pinder⁴; © K Naidoo¹

¹Breast Cancer Research Division, Institute of Cancer Research, London, UK; ²King's Health Partners Biobank, Guy's Comprehensive Cancer Care Centre, London, UK; ³Guy's and St Thomas' NHS Foundation Trust, London, UK; ⁴Division of Cancer Studies, King's College London, Guy's Comprehensive Cancer Centre, London, UK; ⁵Royal Marsden NHS Trust, London, UK; ⁶Ralph Lauren Centre for Breast Cancer Research, Royal Marsden NHS Foundation Trust, London, UK; ⁷British Heart Foundation Centre of Research Excellence, King's College London, St Thomas' Hospital, London, UK

17.00–17.10 **[O15] Prognostic Significance of Isocitrate Dehydrogenase 2 (IDH2): A Biomarker Associated with Lymphovascular Invasion in Breast Cancer**

© A Aljohani; S Kurozumi; C Joseph; MA Aleskandarany; S Alsaeed; Y Kariri; PL Narasimha; I Ellis; A Green; E Rakha

Nottingham Breast Cancer Research Centre, University of Nottingham and Nottingham University Hospital NHS Trust, Nottingham, Nottingham, UK

▶ 14.00 – 17.00

Queens Suite 3

UNDERGRADUATE DAY

Chair: Dr RJ Byers, University of Manchester, Manchester, UK
 Dr H Rizvi, Barts Hospital London, London, UK

- 14.00–14.30 **Digital Pathology**
 Dr D Treanor
University of Leeds, Leeds, UK
- 14.30–15.00 **[S12] Combining Clinical and Academic Training in Pathology**
 © Dr JL Griffin
Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, UK
- 15.00–15.10 **Undergraduate Oral Presentation 4**
[P81] Differences in Negative Lymph Node Size in Rectal Cancer Resections are Related to Patient's Immune Reaction
 © JE Ruisch; J Melenhorst; HI Grabsch
Maastricht University Medical Center, Maastricht, NL
- 15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]**
POSTER VIEWING [Hall D]
- 15.50–16.20 **[S13] The Role of Molecular Pathology in Cancer Care**
 © Dr RJ Byers
University of Manchester, Manchester, UK
- 16.20–16.50 **Involvement with Pathology as an Undergraduate**
 Miss R Turner
University of Leeds, Leeds, UK
- 16.50–17.00 **Undergraduate Oral Presentation 5**
[P104] Identification of Suitable T-Cell Associated Transcripts for the Development of a New Veterinary Diagnostic Test for T-Cell Lymphoma
 HME Brown; © JJ Wilson; J Archer; EJ Soilleux
University of Cambridge, Cambridge, UK

▶ 17.20 – 18.00

Auditorium

PUBLIC LECTURE

Chair: Prof P Quirke, University of Leeds, Leeds, UK

100,000 Genomes Project and Cancer

Prof JL Jones
Barts Cancer Institute, QMUL, London, UK

▶ 19.00 – 21.00

The Sun Pavilion

WELCOME RECEPTION

Held at The Sun Pavilion, Valley Gardens, Cornwall Road,
 Harrogate HG1 2PQ

▶ 07.30 – 08.30

Hall D

REGISTRATION AND COFFEE

▶ 08.30 – 11.50

Auditorium

SYMPOSIUM

Hepatobiliary Pathology

Chair: Dr A Darne, Newcastle University Trust Hospitals, Newcastle, UK
Dr J Wyatt, University of Leeds, Leeds, UK

08.30–08.55 **[S14] IgG4-Related Disease in the Pancreatobiliary System: How Good is Histopathology as the Gold Standard of Diagnosis?**
Ⓢ Dr BH Haugk
Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

08.55–09.20 **[S15] Recent Advances in Hepatocellular Carcinoma**
Ⓢ Dr DG Tiniakos
Institute of Cellular Medicine, Newcastle upon Tyne, UK

09.20–09.45 **[S16] The Role of Liver Biopsy in an Era of Expanding Non-Invasive Assessment**
Ⓢ Dr SE Davies
Cambridge University Hospitals NHS FT, Cambridge, UK

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]

09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 34 for details

10.55–11.20 **[S17] Autoimmune Hepatitis: The Role of Histopathology in Clinical Diagnosis and Management**
Ⓢ Prof SG Hubscher
University of Birmingham, Birmingham, UK

11.20–11.30 **[O16] The Cell of Origin of Normal Human Hepatocytes has a Common Ancestor with Biliary Epithelium and Hepatocyte Clonal Expansions Arise from the Portal Tract and Drift to the Central Vein**
Ⓢ A Passman¹; M Williams¹; E Carlotti¹; B Cereser²; M Hoare³; F Russo⁴; HM Kocher¹; J Chin-Aleong⁵; TA Graham¹; NA Wright¹; MR Alison¹; SAC McDonald¹
¹Queen Mary University of London, London, UK; ²Imperial College London, London, UK; ³Cancer Research UK, Cambridge Institute, Cambridge, UK; ⁴University of Padova, Padova, Italy; ⁵Barts Health NHS Trust, London, UK

▶ 08.30 – 11.50 — *continued*

Auditorium

11.30–11.40 **[O17] Liver Segment Sampling Using a Tru-Cut Biopsy Needle: Preliminary Data**
Ⓢ S Singh¹; A Hall¹; C De Vito²; A Quaglia¹
¹Royal Free London, NHS Foundation Trust, London, UK; ²Geneva University Hospital, Geneva, Switzerland

11.40–11.50 **[O18] Emerging Evidence of Cancer Stemcellness and Epithelial-Mesenchymal Transition in Hepatocellular Carcinoma Arising on Background of Hemochromatosis**
Ⓢ D Di Capua¹; A Canney²; N Docherty³; N Nolan¹; D Houlihan¹; A Fabre¹
¹St Vincent's University Hospital, Dublin, Ireland; ²University Hospital Galway, Galway, Ireland; ³Conway Institute, University College Dublin, Dublin, Ireland

▶ 08.30 – 11.50

Queens Suite 1

SYMPOSIUM

Molecular Pathology Pathways

Chair: Prof MJ Arends, University of Edinburgh, Edinburgh, UK
Prof P Quirke, University of Leeds, Leeds, UK

08.30–08.55 **[S18] Hypoxia**
Ⓢ Prof CW Pugh
University of Oxford, Oxford, UK

08.55–09.20 **[S19] The Interplay Between Cell Stress, Cell Death and Inflammation**
Ⓢ Prof SJ Martin
Trinity College Dublin, Dublin, Ireland

09.20–09.45 **The Immune Biology of DNA Mismatch Deficient Cancer**
Dr M van Knebel Doeberitz
Heidelberg University, Heidelberg, Germany

09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 34 for details

10.55–11.20 **PD1/PDL1 in Cancer**
Prof GW Middleton
University of Birmingham, Birmingham, UK

▶ 08.30 – 11.50 — *continued*

Queens Suite 1

SYMPOSIUM (*continued*)**Molecular Pathology Pathways**

- 11.20–11.30 **[O19] The Relationship Between DNA Mismatch Repair and Response to FOLFOX-based Pre-operative Chemotherapy in the International Phase III FOxTROT Trial**
 © K Murakami¹; NP West¹; AC Westwood¹; GJ Hemmings¹; D Bottomley¹; J Davis¹; SD Richman¹; L Magill²; R Gray³; K Handley²; M Seymour¹; D Morton²; P Quirke¹
¹University of Leeds, Leeds, UK; ²University of Birmingham, Birmingham, UK; ³University of Oxford, Oxford, UK
- 11.30–11.40 **[O20] Leukocyte-Associated Immunoglobulin-Like Receptor-1 Confers Poor Prognosis in Invasive Breast Carcinoma: Transcriptomic Driven Study**
 © C Joseph; MS Toss; S Kurozumi; M Alsaleem; Y Kariri; PL Narasimha; S Al saeed; A Aljohani; NP Mongan; MA Aleskandarany; AR Green; IO Ellis; EA Rakha
 University of Nottingham, Nottingham, UK
- 11.40–11.50 **[O21] Immunogenomic Repertoire Profiling of Tumour-Infiltrating B Cells Reveals Sulfated-Glycosaminoglycans to be Major Functional Humoral Antigens in Human Malignancies**
 © H Katoh
 University of Tokyo, Tokyo, Japan

▶ 08.30 – 11.50

Queens Suite 2

SYMPOSIUM**Head and Neck Pathology**

Chair: Dr A Sandison, Guys, Kings and St Thomas, London, UK

Dr P Chengot, University of Leeds, Leeds, UK

- 08.30–08.55 **[S20] Robotic Surgery in Head and Neck Cancer: Implication for Pathologists**
 © Dr M Robinson
 Newcastle University, Newcastle upon Tyne, UK
- 08.55–09.20 **Immunotherapy in Head and Neck Cancer**
 Prof G Thomas
 University of Southampton, Southampton, UK
 University of Calgary, Calgary, Canada

▶ 08.30 – 11.50 — *continued*

Queens Suite 2

- 09.20–09.45 **[S21] Update in Salivary Gland Pathology: New Terminology and Molecular Diagnostics**
 © Prof RHW Simpson
- 09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
 09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 34 for details
- 10.55–11.20 **Molecular Pathology in Sinonasal Tumours**
 Dr A Franchi
 University of Pisa, Pisa, Italy
- 11.20–11.30 **[O22] Role of Intracellular Interleukin-1 Receptor Antagonist Type 1 in Oral Cancer and the Oral Senescence Program**
 © S Niklander; H Crane; DW Lambert; KD Hunter
 Unit of Oral and Maxillofacial Pathology, School of Clinical Dentistry, University of Sheffield, Sheffield, UK
- 11.30–11.40 **[O23] Optic Nerve Sarcoidosis Presenting as a 'Tumour' at the Optic Disc**
 © Y Krishna; J Khzouz; H Heimann; S Coupland
 Royal Liverpool University Hospital, Liverpool, UK
- 11.40–11.50 **[O24] PDL1 and PDL2 Expression in Plasmablastic and Primary Effusion Lymphomas**
 © M Elshiekh¹; T Lippert²; A Dalla Pria³; M Bower³; K Naresh¹
¹Imperial College Healthcare NHS Trust, London, UK; ²Imperial College London, London, UK; ³Chelsea and Westminster Hospital, London, UK

▶ 08.45 – 17.00

Queens Suite 3

COMPANION MEETING: ACEM**(Association of Clinical Electron Microscopists)**

Refer to page 38 for details

▶ 09.55 – 10.55

Hall D

POSTER VIEWING and OFFICIAL ROUNDS

CHAIR GROUP — CATEGORY	POSTER NUMBER	CHAIR
8 – Endocrine (1); Head and Neck (5)	P73–P78	Prof G Thomas, Southampton; Dr A Sandison, London
9 – Gastrointestinal 1	P79–P90	Prof RM Feakins, London; Prof G Murray, Aberdeen
10 – Gastrointestinal 2	P91–P101	Prof MJ Arends, Edinburgh; Prof RFT McMahon, Manchester
11 – Haematopathology (5); Neonatal/Paediatric (2); Neuropathology/Ophthalmic (2)	P102–P110	Dr S Dojcinov, Cardiff; Dr EJ Soilleux, Cambridge
12 – Hepatobiliary/Pancreas	P111–P118	Prof SG Hubscher, Birmingham; Dr J Wyatt, Leeds

▶ 12.00 – 12.45

Auditorium

**THE PATHOLOGICAL SOCIETY OF GREAT BRITAIN & IRELAND
CL OAKLEY LECTURE**

Chair: Prof MJ Arends, General Secretary, Pathological Society; University of Edinburgh, Edinburgh, UK

An Evolutionary Perspective on Early Cancer Detection

Dr M Jansen
University College London, London, UK

▶ 12.45 – 14.00

Hall D

LUNCH, TRADE EXHIBITION AND POSTER VIEWING

▶ 12.50 – 13.50

Queens Suite 4

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

(Agendas will be sent to Members)

▶ 14.00 – 16.30

Auditorium

PLENARY ORAL PRESENTATIONS

Chair: Prof HI Grabsch, Maastricht University Medical Center, Maastricht, NL
Dr L Browning, John Radcliffe Hospital, Oxford, UK

14.00–14.15 **[PL1] *Digital Pathology for Primary Diagnosis of Screen-Detected Breast Lesions: A Review of the Literature and Experience from Four Centres***

© BJ Williams¹; J Besusparis²; D Clark³; D Snead⁴; A Hanby¹; R Millican-Slater¹; E Vergheze¹; A Nijhawan¹; D Treanor¹; E Rakha⁵
¹Leeds Teaching Hospitals NHS Trust, Leeds, UK; ²National Center of Pathology, Vilnius, Lithuania; ³United Lincolnshire Hospitals NHS Trust, Grantham, UK; ⁴University Hospitals Coventry and Warwickshire, Coventry, UK; ⁵Nottingham University Hospitals NHS Trust, Nottingham, UK

14.15–14.30 **[PL2] *Detecting Driver Mutations and Potential Future Drivers in Early Stage Lung Cancer and Investigating the Potential to Expand this to a Sputum Screening Programme***

© HM Wood¹; E Vergheze²; H Slaney¹; S Dixon²; R Milton²; M Kefaloyannis²; P Tcherveniakov²
¹University of Leeds, Leeds, UK; ²Leeds Teaching Hospitals NHS Trust, Leeds, UK

14.30–14.45 **[PL3] *Invasive Breadth as a Novel Prognostic Marker for Malignant Melanoma***

© A Khanna¹; M Bamford²; GS Saldanha¹
¹University of Leicester, Leicester, UK; ²University Hospitals of Leicester, Leicester, UK

14.45–15.00 **[PL4] *Use of T Cell-Specific RNA In Situ Hybridisation as a Novel Test to Distinguish Malignant (Lymphomatous) and Benign (Inflammatory) T Cell Infiltrates***

© EJ Soilleux¹; W Day²; T Hassanali³; M Peccarelli⁴; R Etherington³; G Ogg³
¹University of Cambridge, Cambridge, UK; ²Roche Tissue Diagnostics, Tucson, Arizona, USA; ³University of Oxford, Oxford, UK; ⁴Roche Ventana, Roche Tissue Diagnostics, USA

15.00–15.30 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]
POSTER VIEWING [Hall D]**

▶ 14.00 – 16.30 — *continued*

Auditorium

PLENARY ORAL PRESENTATIONS *(continued)*

- 15.30–15.45 **[PL5] Prognostic Value of Spatial Interactions of PD-L1⁺ Cells in Oropharyngeal Squamous Cell Carcinoma: The Pattern Matters**
 © AM Tsakiroglou¹; D Thomson²; K Linton²; P Stern³; K Oguejiofor⁴; M Fergie⁵; S Astley⁵; C West¹; R Byers⁶
¹Division of Cancer Sciences, University of Manchester, Manchester, UK; ²The Christie NHS Foundation Trust, Manchester, UK; ³Manchester Cancer Research Centre, Manchester, UK; ⁴Poole Hospital NHS Foundation Trust, Poole, UK; ⁵Division of Informatics, Imaging and Data Science, University of Manchester, Manchester, UK; ⁶Manchester Royal Infirmary NHS Foundation Trust, Manchester, UK
- 15.45–16.00 **[PL6] A Quantitative Evolutionary Approach Utilising High Resolution Chromosomal Copy Number Analysis Accurately Stratifies Patients with Ulcerative Colitis and Low Grade Dysplasia by Future Colorectal Cancer Risk**
 © I Al Bakir¹; K Curtius¹; N Nasreddin²; TSO Clarke¹; M Moorghen³; M Rodriguez-Justo⁴; M Jansen⁴; NA Wright¹; SJ Leedham²; AL Hart³; TA Graham¹
¹Barts Cancer Institute, London, UK; ²Wellcome Centre for Human Genetics, Oxford, UK; ³St. Mark's Hospital, Harrow, UK; ⁴University College Hospital, London, UK
- 16.00–16.15 **[PL7] Low Levels of Intra-Tumour Heterogeneity in Non-Muscle Invasive Bladder Cancer**
 © JL Griffin¹; W Wei²; P Heath²; JWF Catto³
¹Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, UK; ²Sheffield Institute for Translational Neuroscience, Sheffield, UK; ³University of Sheffield, Sheffield, UK
- 16.15–16.30 **[PL8] Histopathology at Autopsy: Why Bother?**
 © AFI Matkowski
 Manchester Royal Infirmary, Manchester, UK

▶ 16.35 – 16.50

Auditorium

TRAINEES PRIZES AND PRESENTATIONS

Chair: Prof AM Flanagan, University College London, London, UK

Pathological Society:**Prize for Best Trainee Research Paper**

- 16.35–16.45 **[S22] CTCF Maintains Regulatory Homeostasis of Cancer Pathways**
 © SJ Aitken¹; X Ibarra-Soria¹; E Kentepozidou²; P Flicek²; C Feig¹; JC Marioni²; DT Odom¹
¹Cancer Research UK Cambridge Institute, Cambridge, UK; ²European Bioinformatics Institute, Hinxton, UK

Pathological Society:**First Golden Microscope Award for Best Trainer**

- 16.45–16.50 **Awarded to Dr J Chapman**
 Ipswich Hospital, Ipswich, UK
 Nominated by Dr KL Dickinson

▶ 16.50 – 17.30

Auditorium

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

Chair: Prof AM Flanagan, University College London, London, UK

[S23] Colorectal Cancer Biomarkers: From Molecular Modelling to ImmunohistochemistryProf GI Murray
 University of Aberdeen, Aberdeen, UK

▶ 19.00 – 23.30

Royal Hall

CONFERENCE DINNERHeld at the Royal Hall, Harrogate
 Musical entertainment by the band 'Spaced'

▶ 08.45 – 17.00

Queens Suite 3

COMPANION MEETING: ACEM**(Association of Clinical Electron Microscopists)**

Chair: Mr B Wagner, Royal Hallamshire Hospital, Sheffield

08.45–09.15

Camillo Golgi and Nobel Laureates of Ultrastructure

Dr R Griffin

Nice, France

09.15–09.45

A Case of Cow Pox in Skin in a Renal Transplant Patient

Dr A Al-Omari

Royal Hallamshire Hospital, Sheffield, UK

09.45–10.30

REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]

10.30–11.00

Ultrastructure of the Human Bladder

Dr J Griffin

Royal Hallamshire Hospital, Sheffield, UK

11.00–11.30

EM EQA Feedback Session

Mrs T de Haro

Leicester Royal Infirmary, Leicester, UK

11.30–12.00

Cardiac Pathology EM: Surgical and Autopsy

Mr B Wagner

Royal Hallamshire Hospital, Sheffield, UK

12.00–12.10

GROUP PHOTOGRAPH AND SIGNING-IN

12.10–12.50

ANNUAL GENERAL MEETING

12.50–14.00

LUNCH, TRADE EXHIBITION AND POSTER VIEWING

14.00–14.30

Renal Biopsy Clinical Details Quiz

Dr C Roufosse

*Hammersmith Hospital, London, UK***Supported by Hitachi**

14.30–15.00

Hermansky-Pudlak Syndrome and Other Renal EM Rarities

Dr S Coley

*Columbia University, Irving Medical Center, New York, USA***Supported by Jeol**▶ 08.45 – 17.00 — *continued*

Queens Suite 3

15.00–15.30 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]
POSTER VIEWING [Hall D]**

15.30–16.00

An Update on How the Latest EM Technology is Being Used to Understand the Pathophysiology of Inherited Diseases Involving Extracellular Matrix Molecules: With Worked Examples

Prof C Baldock

Manchester University, Manchester, UK

16.00–16.30

Google Earth-Like EM in Clinical Pathology

Dr B Giepmans

*University Medical Center, Groningen, NL***Supported by Zeiss**

16.30–17.00

X-Ray Microanalysis in Clinical Pathology

Ms P Goggin

Southampton General Hospital, Southampton, UK

▶ 07.30 – 08.30

Hall D

REGISTRATION AND COFFEE

▶ 08.30 – 11.50

Auditorium

SYMPOSIUM

Pulmonary Pathology

Chair: Prof J Gosney, Royal Liverpool University Hospital, Liverpool, UK
 Dr E Verghese, University of Leeds, Leeds, UK

- 08.30–08.55 **[S24] Update on Lung Cancer Staging**
 © Prof AG Nicholson
 Royal Brompton Hospital, London, UK
- 08.55–09.20 **Profiling Lung Cancer in 2019: Where We are and Where We're Going**
 Prof JR Gosney
 Royal Liverpool University Hospital, Liverpool, UK
- 09.20–09.45 **[S25] Molecular Biology of Mesothelioma-Implications for Diagnosis and Management**
 © Prof F Galateau Salle
 Cancer Center Leon Berard, Lyon, France
- 09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
 09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 43 for details
- 10.55–11.20 **[S26] Diagnosing Interstitial Lung Disease Is No Longer "Business as Usual": A Contemporary Diagnostic Approach to Fibrosing Interstitial Pneumonias**
 © Dr BT Larsen
 Mayo Clinic Arizona, Scottsdale, USA
- 11.20–11.30 **[O25] Endocarditis and Sudden Cardiac Death**
 © STE Cooper¹; KJ Griffin²; JD Westaby¹; MN Sheppard¹
¹St. George's University of London, London, UK; ²St. James' University Hospital, Leeds, UK
- 11.30–11.40 **[O26] Cancer-Associated Fibroblasts Expressing Proteins Required for Chemotaxis and Cell Migration are Prognostic in Non-Small Cell Lung Cancer**
 © AF Irvine¹; AL Cleese²; B Stuart³; T Kendrick³; GJ Thomas³
¹University Hospitals Southampton, Southampton, UK; ²Royal Bournemouth Hospital, Bournemouth, UK; ³University of Southampton, Southampton, UK

▶ 08.30 – 11.50 — *continued*

Auditorium

- 11.40–11.50 **[O27] Pulmonary Botryomycosis: A Mimicker of Malignancy**
 © KL Lloyd¹; A Rice¹; J Finch²; M Dusmet²; E Beddow²; S Jordan²; S Schelenz³; AG Nicholson¹
¹Histopathology, Royal Brompton and Harefield NHS Foundation Trust, London, UK;
²Thoracic Surgery, Royal Brompton and Harefield NHS Foundation Trust, London, UK;
³Microbiology, Royal Brompton and Harefield NHS Foundation Trust, London, UK

▶ 08.30 – 11.50

Queens Suite 1

SYMPOSIUM

Advances in Proteins

Chair: Prof P Quirke, University of Leeds, Leeds, UK
 Dr S Richman, University of Leeds, Leeds, UK

- 08.30–08.55 **[S27] The Human Protein Atlas: Implications for Human Biology and Precision Medicine**
 © Dr C Lindskog
 Uppsala University, Uppsala, Sweden
- 08.55–09.20 **What Do We Need to Know About Protein Structure?**
 Prof N Ranson
 University of Leeds, Leeds, UK
- 09.20–09.45 **[S28] Next Generation Immunohistochemistry: Considerations for the Practising Pathologist**
 © Dr JM Ziai
 Genentech Inc., South San Francisco, CA, USA
- 09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
 09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 43 for details
- 10.55–11.20 **[S29] Receptor Tyrosine Kinase Signalling in the Absence of Kinase Activity and Cancer of Non-Genetic Origin**
 © Prof JE Ladbury
 University of Leeds, Leeds, UK
- 11.20–11.30 **[O28] Multiplex Immunohistochemistry: The Next Generation of Molecular Pathology?**
 © MP Humphries; S McQuaid; SG Craig; V Bingham; P Maxwell;
 J James; M Salto-Tellez
 Queens University Belfast, Belfast, UK

▶ 08.30 – 11.50 — *continued*

Queens Suite 1

SYMPOSIUM (*continued*)
Advances in Proteins

- 11.30–11.40 **[O29] FAT Atypical Cadherin 1 (FAT1) is a Novel Marker of Progression from Ductal Carcinoma In Situ to Invasive Breast Disease**
 © IM Miligy¹; MS Toss¹; KL Gorringer²; IO Ellis¹; AR Green¹; EA Rakha¹
¹University of Nottingham, Nottingham City Hospital, Nottingham, UK; ²Petermac Cancer Centre, Melbourn, UK
- 11.40–11.50 **[O30] Expression and Biological Significance of ADAM28 in Colorectal Adenocarcinoma**
 © NS Sakamoto
 Hiroshima University, Hiroshima, Japan

▶ 08.30 – 11.50

Queens Suite 2

SYMPOSIUM
Dermatopathology

Chair: Dr PJ Craig, Gloucestershire Hospitals NHSFT, Cheltenham, UK
 Dr B Matthew, University of Leeds, Leeds, UK

- 08.30–08.55 **[S30] The Fourth Edition of the WHO Classification of Skin Tumours: Classification of Melanoma**
 © Prof DM Massi
 University of Florence, Florence, Italy
- 08.55–09.20 **[S31] Determining Risk Status from Pathology, Genetics and Outcome Data in Cutaneous Squamous Cell Carcinoma: A National Project**
 © Dr PJ Craig
 Gloucestershire Hospitals NHSFT, Cheltenham, UK
- 09.20–09.45 **Cutaneous Lymphoma: An Update**
 Dr J Goodlad
 University of Glasgow, Glasgow, UK
- 09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
 09.55–10.55 **OFFICIAL POSTER ROUNDS** [Hall D] — See page 43 for details
- 10.55–11.20 **Touchable Pathology: On New Pathways in Dermatopathology (Joint Presentation)**
 Dr F Igali
 University of Lincoln, Lincoln, UK
 Dr L Igali
 Norfolk and Norwich University Hospital, Norwich, UK

▶ 08.30 – 11.50 — *continued*

Queens Suite 2

- 11.20–11.30 **[O31] Expression of B7-H3 in Melanoma and its Effects on Patient Prognosis**
 © MF Faizan
 University of Nottingham, Nottingham, UK
- 11.30–11.40 **[O32] The Role of Deep Learning in the Classification of Tumours of Fat**
 B Chai¹; FM Amary²; D Lindsay²; R Tirabosco²; AM Flanagan³; K Bryson⁴;
 © N Pillay³
¹University College London - Computer Science, London, UK; ²Royal National Orthopaedic Hospital NHS Trust, London, UK; ³Royal National Orthopaedic Hospital NHS Trust and UCL, London, UK; ⁴University College London, London, UK
- 11.40–11.50 **[O33] Synovial Chondromatosis, Synovial Chondrosarcoma and Soft Tissue Chondroma: Adding to the Group of Calcifying Tumours with a FN1 Gene Rearrangement**
 © L Perez-Casanova¹; F Amary¹; Y Hongtao¹; L Cottone¹; A Strobl²;
 F Berisha¹; D Baumhoer³; P Nischalan²; P O'Donnell¹; R Tirabosco¹;
 E Hookway²; AM Flanagan²
¹Royal National Orthopaedic Hospital, Stanmore, London, UK; ²UCL Cancer Institute, London, UK; ³Institut für Medizinische Genetik und Pathologie, Basel, Switzerland

▶ 08.30 – 11.55

Queens Suite 3

COMPANION MEETING: CM-PATH

Refer to page 49 for details

▶ 09.55 – 10.55

Hall D

POSTER VIEWING and OFFICIAL ROUNDS

CHAIR GROUP — CATEGORY	POSTER NUMBER	CHAIR
13 – Cardiovascular/Pulmonary	P119–P130	Prof J Gosney, Liverpool; Prof AG Nicholson, London
14 – Dermatopathology 1	P131–P139	Dr P Craig, Cheltenham; Prof D Massi, Florence
15 – Dermatopathology 2 (4); Osteoarticular/Soft Tissue (5)	P140–P148	Prof AM Flanagan, London; Dr N Pillay, London
16 – Gastrointestinal 3	P149–P159	Prof I Nagtegaal, Nijmegen; Prof KP West, Leicester
17 – Gastrointestinal 4	P160–P170 *	Prof K Sheahan, Dublin; Prof NA Shepherd, Cheltenham
18 – Gastrointestinal 5	P171–P181 *	Dr AC Bateman, Southampton; Dr N Carr, Southampton

* Posters P168 and P180 have been withdrawn.

▶ 12.00 – 14.00

Hall D

LUNCH, TRADE EXHIBITION AND POSTER VIEWING

▶ 12.30 – 17.05

Queens Suite 2

TRAINEE WORKSHOP

See page 47 for details

▶ 13.00 – 13.30

Hall D

**POSTER PRIZES:
WINNER ANNOUNCEMENTS AND PRIZE PRESENTATIONS**

▶ 14.00 – 17.10

Auditorium

SYMPOSIUM**Gastrointestinal Pathology**Chair: Prof RFT McMahon, University of Manchester, Manchester, UK
Dr N Scott, University of Leeds, Leeds, UK14.00–14.25 **[S32] Newer and Unusual Forms of Oesophagitis and Gastritis**

Ⓢ Prof K Sheahan

St Vincent's University Hospital, Dublin, Ireland

14.25–14.50 **[S33] Appendiceal Neoplasia and Pseudomyxoma Peritonei**

Ⓢ Dr NJ Carr

Peritoneal Malignancy Institute, Basingstoke, UK

14.50–15.15 **Neoadjuvant Therapy: Its Effects and Diagnostic Issues**

Prof I Nagtegaal

St Radboud University Medical Center, Radboud, NL

15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]****POSTER VIEWING [Hall D]**15.50–16.15 **[S34] Tumour Testing and Developments in the Understanding of Carcinogenesis in Lynch Syndrome**

Ⓢ Dr IM Frayling

Institute of Medical Genetics, University Hospital of Wales, Cardiff, UK

16.15–16.40 **[S35] TNM8 and RCPATH 2017: Updates and Controversies**

Ⓢ Dr NP West

University of Leeds, Leeds, UK

▶ 14.00 – 17.10 — *continued*

Auditorium

16.40–16.50 **[O34] FOxTROT: An International Randomised Controlled Trial Evaluating Neoadjuvant Chemotherapy for Colon Cancer in 1,052 Patients**Ⓢ NP West¹; SD Richman¹; L Magill²; R Gray³; K Handley²; M Seymour¹; D Morton²; P Quirke¹¹University of Leeds, Leeds, UK; ²University of Birmingham, Birmingham, UK;³University of Oxford, Oxford, UK16.50–17.00 **[O35] A Novel Artificial Intelligence Based Approach to the Diagnosis of Coeliac Disease, Based on T-Cell Receptor Repertoires**A Fowler¹; MS Shoukat²; OE Welsh²; K Donovan³; Ⓢ EJ Soilleux²¹University of Liverpool, Liverpool, UK; ²University of Cambridge, Cambridge, UK;³University of Oxford, Oxford, UK17.00–17.10 **[O36] Investigating the Potential of the Faecal Microbiome to Improve Colorectal Cancer Screening**Ⓢ C Young¹; H Wood¹; A Fuentes Balaguer¹; S Benton²; C Burtonwood²; M Brealey²; P Quirke¹¹Pathology and Data Analytics, University of Leeds, Leeds, UK; ²Southern NHS Bowel Cancer Screening Hub, Guildford, UK

▶ 14.00 – 17.10

Queens Suite 1

SYMPOSIUM**Digital and Advanced Microscopy**

Chair: Dr D Treanor, University of Leeds, Leeds, UK

Prof C Verrill, John Radcliffe University Hospital, Oxford, UK

14.00–14.15 **Pathology Image Data Lake for Analytics, Knowledge and Education (PathLAKE)**

Dr DRJ Snead

University Hospitals of Coventry and Warwickshire, Coventry, UK

14.15–14.30 **[S36] Industrial Centre for AI Research in Digital Diagnostics (iCAIRD)**

Ⓢ Dr G Bryson

Queen Elizabeth University Hospital, Glasgow, UK

14.30–14.45 **The Northern Pathology Imaging Co-Operative**

Dr D Treanor

University of Leeds, Leeds, UK

14.45–15.15 **Artificial Intelligence for Digital Pathology Image Analysis**

Dr J Rittscher

University of Oxford, Oxford, UK

▶ 14.00 – 17.10 — *continued*

Queens Suite 1

SYMPOSIUM (*continued*)**Digital and Advanced Microscopy**

- 15.15–15.50 **REFRESHMENT BREAK / TRADE EXHIBITION** [Hall D]
POSTER VIEWING [Hall D]
- 15.50–16.15 **[S37] The Use of Light Sheet Microscopy to Develop Novel Approaches to Define Vascular Structure in Health and Disease**
© Dr KJ Griffin
University of Leeds, Leeds, UK
- 16.15–16.40 **Optical Super-Resolution Microscopy: An Advanced Tool for Pathology**
Prof C Soeller
University of Exeter, Exeter, UK
- 16.40–16.50 **[O37] Unmasking the Tissue Microecology of Ductal Carcinoma In Situ with Deep Learning**
© PL Narayanan¹; SEA Raza¹; A Hall²; JR Marks²; L King²; M Dowsett³; B Gusterson¹; C Maley⁴; ES Hwang²; Y Yuan¹
¹*Institute of Cancer Research, Sutton, UK;* ²*Duke University School of Medicine, North Carolina, USA;* ³*Institute of Cancer Research, London, UK;* ⁴*Arizona State University, Arizona, USA*
- 16.50–17.00 **[O38] A Display Evaluation for Primary Diagnosis using Digital Pathology**
© EL Clarke¹; C Munnings²; B Williams¹; D Brettle²; D Treanor³
¹*Leeds Teaching Hospitals NHS Trust and University of Leeds, Leeds, UK;* ²*Leeds Teaching Hospitals NHS Trust, Leeds, UK;* ³*Leeds Teaching Hospitals NHS Trust, University of Leeds and Linköping University, Leeds, UK*
- 17.00–17.10 **[O39] Unbiased and Objective Artificial Intelligence Identifies Clinically Significant Diagnostic and Prognostic Features**
© PD Caie; N Dimitriou; I Um; O Arandjelovic; DJ Harrison
University of St Andrews, St Andrews, UK

▶ 12.30 – 14.00

Queens Suite 2

TRAINEE WORKSHOP 1**Renal Workshop**

Chair: Dr J Griffin, Sheffield Teaching Hospitals NHS Trust, Sheffield, UK
Dr K Griffin, Leeds Teaching Hospitals NHS Trust, Leeds, UK

12.30–13.30 **Renal Workshop: Case-Based Discussions**

Prof ISD Roberts
John Radcliffe Hospital, Oxford, UK

13.30–13.45 **Pathological Society: Trainee Case Report Prize**

Dr P Macklin, Oxford

13.45–14.00 **BREAK**

▶ 14.00 – 15.15

Queens Suite 2

TRAINEE WORKSHOP 2**Soft Tissue Mini-Symposium**

Chair: Dr E Clarke, University of Leeds, Leeds, UK
Dr M Clarke, Institute of Cancer Research, The Royal Marsden NHS Trust, London, UK

14.00–14.25 **Tricky Topics for Trainees on Bone Pathology**

Prof AM Flanagan
University College London, London, UK

14.25–14.50 **Delivering a Diagnosis for Undifferentiated Soft Tissue Sarcomas**

Dr N Pillay
University College London, London, UK

14.50–15.15 **[S41] Tricky Topics for Trainees on Soft Tissue Pathology**

Dr K Thway
The Royal Marsden NHS Foundation Trust, London, UK

▶ 15.15 – 15.50

Hall D

REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]**POSTER VIEWING** [Hall D]

▶ 15.50 – 17.05

Queens Suite 2

TRAINEE WORKSHOP 3**Head and Neck Mini-Symposium**

Chair: Dr K Allen, Leeds Teaching Hospitals NHS Trust, Leeds, UK
 Dr J Graham, Leeds Teaching Hospitals NHS Trust, Leeds, UK

15.50–16.15 **Head and Neck Cases 1**

Dr A Sandison

*Guy's and St Thomas' NHS Foundation Trust, London, UK*16.15–16.40 **Head and Neck Cases 2**

Prof RHW Simpson

*University of Calgary, Calgary, Canada*16.40–17.05 **Head and Neck Cases 3**

Dr A Franchi

University of Pisa, Pisa, Italy

▶ 08.55 – 11.55

Queens Suite 3

COMPANION MEETING: CM-PATH

Chair: Dr O Driskell, Keele University, Stoke-on-Trent, UK
 Dr KA Oien, University of Glasgow, Glasgow, UK

08.55–09.20 **CM-Path Update: Hear About Our Activities to Date, Our Future and the CM-Path Network**

Dr KA Oien

*University of Glasgow, Glasgow, UK*09.20–09.45 **Pathology Contribution to Clinical Trials**

Dr A Shaaban

*University of Birmingham, Birmingham, UK*09.45–10.55 **REFRESHMENT BREAK / TRADE EXHIBITION [Hall D]**09.55–10.55 **OFFICIAL POSTER ROUNDS [Hall D]** — See page 43 for details10.55–11.20 **Improving Cellular Pathology Research: Have Your Say!**

Dr O Driskell

*Keele University, Stoke-on-Trent, UK*11.20–11.30 **Workshop Discussion: Are Correct Activities for HRA and NIHR Templates Captured?**11.30–11.40 **Workshop Discussion: Are There Other Roles or Settings We Should Work on Capturing?**11.40–11.50 **Workshop Discussion: Next Steps...**

End of Conference

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