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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This publication was designed and produced in England by Byte & Type Limited, Birmingham (Tel: 0333 666 4321).
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<td>Welcome Address</td>
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<td>Symposium: Urological Pathology</td>
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<td>Symposium: Molecular Pathology Driving Practice</td>
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<td>17.20–18.00</td>
<td>Public Lecture: 100,000 Genomes Project and Cancer</td>
<td>[Auditorium]</td>
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<tr>
<td>19.00–21.00</td>
<td>Welcome Reception at the Sun Pavilion, Harrogate</td>
<td>[Sun Pavilion, Harrogate]</td>
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*The Sun Pavilion is a 5-minute walk from the Conference Centre. For venue details use this link: Sun Pavilion*
### PROGRAMME OVERVIEW

Wednesday 3 July 2019

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<tr>
<th>Time</th>
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<tr>
<td>12.00–12.45</td>
<td>Auditorium</td>
<td>Pathological Society CL Oakley Lecture: <em>An Evolutionary Perspective on Early Cancer Detection</em> Dr M Jansen, London, UK</td>
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<td>12.45–14.00</td>
<td>Hall D</td>
<td>Lunch, Poster Viewing and Trade Exhibition</td>
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<td>14.00–16.30</td>
<td>Auditorium</td>
<td>Plenary Oral Presentations</td>
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<td>15.00–15.30</td>
<td>Hall D</td>
<td>Refreshment Break, Poster Viewing and Trade Exhibition</td>
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<td>16.35–16.50</td>
<td>Auditorium</td>
<td>Trainee Prizes and Presentations</td>
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<td>16.50–17.30</td>
<td>Auditorium</td>
<td>Pathological Society Doniach Lecture: <em>Colorectal Cancer Biomarkers: From Molecular Modelling to Immunohistochemistry</em> Prof GI Murray, Aberdeen, UK</td>
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<tr>
<td>19.00–23.30</td>
<td>Royal Hall, Harrogate</td>
<td>Conference Dinner and Musical Entertainment (Band: ‘Spaced’) at the Royal Hall, Harrogate The Royal Hall is situated behind the Conference Centre. For venue details use this link: <a href="#">Royal Hall</a></td>
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<tr>
<td>08.30–11.50</td>
<td>Queens Suite 1</td>
<td>Symposium: Molecular Pathology Pathways</td>
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<tr>
<td>12.50–13.50</td>
<td>Queens Suite 4</td>
<td>Pathological Society Annual General Meeting</td>
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<td>14.00–17.00</td>
<td>Queens Suite 3</td>
<td>COMPANION MEETING: ACEM (Association of Clinical Electron Microscopists) – continued</td>
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<td>15.00–15.30</td>
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<td>Refreshment Break, Poster Viewing and Trade Exhibition</td>
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<td>16.50–17.30</td>
<td>Queens Suite 3</td>
<td>Pathological Society: Best Trainee Research Paper Award Presentation Golden Microscope Award Presentation</td>
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<td>08.30–11.50</td>
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<td>Symposium: Digital and Advanced Microscopy</td>
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<td>12.30–17.05</td>
<td>Trainee Workshop</td>
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<td>[Hall D]</td>
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*End of Conference*
REGISTRATION AND FEES

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.

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/

REGISTRATION FEES

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<th>Early Bird</th>
<th>Standard</th>
<th>Late Booking</th>
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<td></td>
<td>Per Day or Part Day</td>
<td>Conference Dinner</td>
<td>Per Day or Part Day</td>
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<tr>
<td>BDIAP, IAP, or Pathological Society Member</td>
<td>£140</td>
<td>£60</td>
<td>£220</td>
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<tr>
<td>Ordinary Member, Consultant and/or equivalent position</td>
<td>£50</td>
<td>£60</td>
<td>£90</td>
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<tr>
<td>Pathological Society Undergraduate Student Member</td>
<td>Free</td>
<td>£30</td>
<td>Free</td>
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<tr>
<td>Undergraduate Student</td>
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<tr>
<td>Non-Member</td>
<td>£195</td>
<td>£60</td>
<td>£290</td>
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<td>Consultant; Non-Training Grade; Career Grade; Staff; Senior Scientists and Clinicians</td>
<td>£65</td>
<td>£60</td>
<td>£105</td>
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<tr>
<td>Non-Member Concessionary</td>
<td>£65</td>
<td>£60</td>
<td>£105</td>
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<tr>
<td>Biomedical Scientist; PhD Student; Post-Doctoral Fellow, Technician and Trainee</td>
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<tr>
<td>Non-Member Undergraduate Student</td>
<td>£65</td>
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<td>Undergraduate Student</td>
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<td>Refer to special offer detailed on the next page</td>
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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 NTNs 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.
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.
SCIENTIFIC SESSION INFORMATION

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.
GENERAL ARRANGEMENTS

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.

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

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.

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

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, Sarajevo, 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*
DETAILED PROGRAMME  Tuesday 2 July 2019

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 details
10.55–11.20  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-Faroqui3; C Cardona Barrena3; H Pye3; M Emberton3;
    H Whitaker3
    1University College London, London, UK; 2University College Hospital London, London, UK
    Prognostic Factor in Patients with Muscle-Invasive Bladder Cancer
    © GG Christos1; N Brieu1; NP Ines1; JD Harrison1; G Schmidt2; PD Caie1
    1University of St Andrews, St Andrews, UK; 2Definiens AG, München, Germany

08.30 – 11.50 — continued  Hall D

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

08.30–08.55  [S1] Exploring the Junk in Our Genomes: The Blurred Boundary
    Between Coding and Non-Coding RNAs
    K Douka1; D Wang2; I Birds3; S Clayton4; A Byford5; J Deuchars5;
    A Whitehouse1; © Dr JL Aspden1
    1School of Molecular and Cellular Biology, Faculty of Biological Sciences, University of Leeds,
    Leeds, UK; 2Leeds Omics, 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 details
10.55–11.20  [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 Loo5; AM Flanagan1; LB Alexandrov6; N Pillay7
    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

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For abstracts refer to: www.path.org.uk
Leeds Pathology 2019

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For abstracts refer to: www.path.org.uk
Leeds Pathology 2019
**SYMPOSIUM (continued)**

**Whole Genomes – Biology and Translation**


- L Brownlee¹; R Veeriah¹; R Rosenthal¹; DA Moore¹; C Swanton (TRACERx Consortium)²; M Jamal-Hanjani³

  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

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**Symposium Queens Suite 2**

**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
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; M Toss; M Arshad; FQ Goh; MA Aleskandarany; NP Mongan; AR Green; IO Ellis; EA Rakha
University of Nottingham, Nottingham, UK

09.45–10.55
REFRES hMENT BREA k / TRADE ExhIBITION [Hall D]

09.55–10.55
OFFICIA l 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; M Miligly; S Al-izzi; M 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

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

12.00–12.45
BDIA P 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
LUNCH, TRADE EXHIBITION AND POSTER VIEWING
DETAILED PROGRAMME Tuesday 2 July 2019

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

© 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**

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For abstracts refer to: [www.path.org.uk](http://www.path.org.uk)

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DETAILED PROGRAMME Tuesday 2 July 2019

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, NL

14.00–14.25  **Breast Cancer: Phenotype vs. Genotype**
Prof IO Ellis
University of Nottingham, Nottingham, UK

© 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

For abstracts refer to: [www.path.org.uk](http://www.path.org.uk)
DETAILED PROGRAMME  Tuesday 2 July 2019

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

**[S10] TILs: The Next Morphological Biomarker in Breast Cancer for Daily Practice Use?**
*® Dr R Salgado*
Peter MacCallum Cancer Centre, Melbourne, Australia

**[S11] Breast Digital Pathology in Day-to-Day Practice**
*® Dr RA Millican-Slater*
Leeds Teaching Hospitals Trust, Leeds, UK

14.00–14.25

14.25–14.50

14.50–15.15

15.15–15.50

15.50–16.15

16.15–16.40

16.40–16.50

**B3 Lesions of the breast: Diagnosis, Management and Outcome from NHSBSP**
Dr R Deb
Royal Derby Hospital, Derby, UK

**Molecular DCIS Update**
Dr E Sawyer
King's College London, London, UK

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

**The Weird and Wonderful from My Referral Practice**
Prof IO Ellis
University of Nottingham, Nottingham, UK

**Breast Digital Pathology in Day-to-Day Practice**
*® Dr RA Millican-Slater*
Leeds Teaching Hospitals Trust, Leeds, UK

**Enhanced Glutamine Uptake Influence Composition of Immune Cells Infiltrates in Breast Cancer**
*® R El Ansari; ML Craze; M Althobiti; L Alfarsî; IO Ellis; EA Rakha; AR Green*
University of Nottingham, Nottingham, UK

**[S40] Molecular DCIS Update**
Dr E Sawyer
King's College London, London, UK

**[S10] TILs: The Next Morphological Biomarker in Breast Cancer for Daily Practice Use?**
*® Dr R Salgado*
Peter MacCallum Cancer Centre, Melbourne, Australia

**[S40] Molecular DCIS Update**
Dr E Sawyer
King's College London, London, UK

16.50–17.00

**[O14] Normothermic Ex-Vivo Perfusion of Human Lymph Nodes: A Feasibility Study**
R Barrow-McGee; J Procter; J Owen; N Woodman; C Lombardelli; A Kothari; T Kovacs; M Douek; S George; P Barry; K Ramsey; A Gibson; R Buus; E Holgerson; R Natrajan; S Haider; MJ Shattock; C Gillett; ANJ Tutt; GE Pinder; ® K Naidoo
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

**[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

For abstracts refer to: www.path.org.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
    Dr JE Ruisch; J Melenhorst; HI Grabsch
    Maastricht University Medical Center, Maastricht, NL

15.15–15.50 REFRES hMENT BREA k / TRADE ExhIBITION
  [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
DETAILED PROGRAMME  Wednesday 3 July 2019

08.30 – 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 REFRES HMENT BREA K / TRADE ExHIBITION (Hall D) — See page 34 for details

09.55–10.55 OFFICIAL POSTER ROUNDS (Hall D) — See page 34 for details

10.55–11.20 [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 Cereser1; M Hoare2; F Russo2; HM Kocher1; J Chin-Aleong2; TA Graham1; NA Wright1; MR Alison1; SAC McDonald1
1Queen Mary University of London, London, UK; 2Imperial College London, London, UK

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 Nolan4; D Houlihan5; 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 REFRES HMENT BREA K / TRADE ExHIBITION (Hall D) — See page 34 for details

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

For abstracts refer to: www.path.org.uk
**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 Handley3; 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 Alsaeed; 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

**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

**COMPANION MEETING: ACEM**

(Association of Clinical Electron Microscopists)  
Refer to page 38 for details
DETAILED PROGRAMME  Wednesday 3 July 2019

09.55 – 10.55  Hall D

POSTER VIEWING and OFFICIAL ROUNDS

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<td>Prof G Thomas, Southampton; Dr A Sandison, London</td>
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<td>Dr S Dojcicinov, Cardiff; Dr EJ Soilleux, Cambridge</td>
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<td>12 – Hepatobiliary/Pancreas</td>
<td>P111–P118</td>
<td>Prof SG Hubscher, Birmingham; Dr J Wyatt, Leeds</td>
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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 Hanby⁵; R Milician-Slater⁶; E Verghese⁷; A Nijhawan⁸; D Treanor⁹; E Rakha¹⁰
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 Verghese²; H Slaney¹; S Dixon³; R Milton⁴; M Kefaloyannis⁵; P Tcherveniakov⁶
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 Etherington⁵; G Oggi⁶
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)

15.30 – 16.00  Hall D

POSTER VIEWING  (Hall D)

For abstracts refer to: www.path.org.uk

Leeds Pathology 2019
PLENARY ORAL PRESENTATIONS (continued)

® AM Tsakiroglou1; D Thomson2; K Linton3; P Stern4; K Oguejiofor4; M Fergie5; S Astley5; C West5; 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, 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*
® IA Bakir1; K Curtius1; N Nasreddin2; TSO Clarke1; M Moorghen3; M Rodriguez-Justo4; M Jansen4; NA Wright1; SJ Leedham1; AL Hart3; TA Graham1
1Barts Cancer Institute, London, UK; 2Welcome 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

® AFI Matkowski
Manchester Royal Infirmary, Manchester, UK

TRAINEE PRIZES AND PRESENTATIONS
Chair: Prof AM Flanagan, University College London, London, UK

Pathological Society:
First Golden Microscope Award for Best Trainer
Awarded to Dr J Chapman
Ipswich Hospital, Ipswich, UK
Nominated by Dr KL Dickinson

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 Immunohistochemistry*
Prof GI Murray
University of Aberdeen, Aberdeen, UK

CONFERENCE DINNER
Held at the Royal Hall, Harrogate
Musical entertainment by the band ‘Spaced’
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

12.30–14.00  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

For abstracts refer to: www.path.org.uk
REGISTRATION AND COFFEE

08.30 – 11.50

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

Dr BT Larsen
Mayo Clinic Arizona, Scottsdale, USA

11.20–11.30 [O25] Endocarditis and Sudden Cardiac Death
STE Cooper1; KJ Griffin2; JD Westaby3; MN Sheppard1
1St. George’s University of London, London, UK; 2‘St. James’ University Hospital, Leeds, UK

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

11.40–11.50 [O27] Pulmonary Botryomycosis: A Mimicker of Malignancy
KL Lloyd1; A Rice1; J Finch2; M Dusmet3; 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 — continued

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

MP Humphries; S McQuaid; SG Craig; V Bingham; P Maxwell; J James; M Salto-Tellez
Queens University Belfast, Belfast, UK
**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 Miligy; MS Toss; KL Gorringe; IO Ellis; AR Green; EA Rakha

1 University of Nottingham, Nottingham City Hospital, Nottingham, UK; 2 Petermac Cancer Centre, Melbourne, UK

11.40–11.50 **[O30]** *Expression and Biological Significance of ADAM28 in Colorectal Adenocarcinoma*

© NS Sakamoto

Hiroshima University, Hiroshima, Japan

**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

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 Chai; FM Amary; D Lindsay; R Tirabosco; AM Flanagan; K Bryson; N Pillay

1 University College London - Computer Science, London, UK; 2 Royal National Orthopaedic Hospital NHS Trust, London, UK; 3 Royal National Orthopaedic Hospital NHS Trust and UCL, London, UK; 4 University 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-Casanova; F Amary; Y Hongtao; L Cottone; A Strobl; F Berisha; D Baumhoer; P Nischalan; P O’Donnell; R Tirabosco; E Hookway; AM Flanagan

1 Royal National Orthopaedic Hospital, Stanmore, London, UK; 2 UCL Cancer Institute, London, UK; 3 Institut für Medizinische Genetik und Pathologie, Basel, Switzerland

**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); Osteosarticular/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.
### Thursday 4 July 2019

**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, UK

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| 14.00–14.25 | **[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]                                                                                     |
| 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                      |
University of Leeds, Leeds, UK                                                                 |

### Thursday 4 July 2019 — continued

**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

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| 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

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 Raza2; A Hall2; JR Marks1; L King2; M Dowsett3; B Gusterson1; C Maley1; ES Hwang1; Y Yuan1
1Institute of Cancer Research, Sutton, UK; 2Duke University School of Medicine, North Carolina, USA; 3Institute of Cancer Research, London, UK; 4Arizona State University, Arizona, USA

16.50–17.00 [O38] A Display Evaluation for Primary Diagnosis using Digital Pathology

© EL Clarke1; C Munnings1; B Williams1; D Brettele3; D Treanor3
1Leeds Teaching Hospitals NHS Trust and University of Leeds, Leeds, UK; 2Leeds Teaching Hospitals NHS Trust, Leeds, UK; 3Leeds Teaching Hospitals NHS Trust, University of Leeds and Linkoping 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

For abstracts refer to: www.path.org.uk
DETAILED PROGRAMME Thursday 4 July 2019

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

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 details

10.55–11.20 **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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For abstracts refer to: www.path.org.uk
AIFORIA
Aiforia empowers pathologists with an easy-to-use interface combined with Deep Learning image analysis. In addition, the platform enables utilization of AI in pathology by providing a high-performance Cloud Computing platform that requires no prior user experience in programming or deep learning. Our SaaS solutions enable fast, accurate, and affordable analysis support for pathologists and medical researchers requiring tissue-based image analytics.

ASTRAZENECA UK
AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of diseases in three therapy areas: Oncology, Cardiovascular, Renal & Metabolism and Respiratory. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide. AstraZeneca has five different sites in the UK, employing around 6,500 employees. We supply 40 different medicines to the NHS. The UK is also an important location for AstraZeneca's clinical trials; in 2017, we undertook 191 trials in the UK, involving almost 9,000 patients.

CELLPATH
CellPath is a family-run company specialising in the manufacture and worldwide supply of products, consumables and services to meet the needs of Cellular Pathology. With an in-house state of the art injection moulding capability, we manufacture many of the plastic products used in the modern Histology and Cytology laboratories. In January 2019, CellPath launched CellSolv, a bulk chemical supply and waste management service for the Cellular Pathology market. Our sister company, CellNass (https://www.cellnass.com) is a Human Tissue Authority (HTA) licensed archive management solution, offering a complete national archiving solution for healthcare providers through administering pathological material in a purpose-built facility.

CIRDAN
Cirdan is a leading provider of innovative software and imaging solutions that enhance and speed up the diagnosis of patients. Headquartered in the UK, with offices in Canada and Australia, Cirdan is recognised as one of the leading suppliers of laboratory information systems worldwide and one of the fastest growing UK LIS providers. The award-winning ULTRA LIS is deployed in numerous prestigious and diverse healthcare organisations throughout the world. Cirdan is also known for its innovative digital macro imaging system, PathLite, which is helping to streamline cellular pathology operations in the NHS and beyond.
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