Winter Meeting
19 – 20 January 2017

207th Scientific Meeting of the Pathological Society of Great Britain & Ireland
Hosted by the Department of Cellular Pathology • Barts & The London Medical School & NHS Trust
At the Guoman Tower Hotel • St Katharine’s Way • London E1W 1LD
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Refer to the website www.path.org.uk for Abstract Listings:
   • Invited Speakers
   • Plenary Oral
   • Posters

Programme acknowledgements
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**PROGRAMME OVERVIEW**

**Thursday 19 January 2017**

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<tr>
<th>Time</th>
<th>Room</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>09.00–10.00</td>
<td>[Tower Foyer / Bridge Suite]</td>
<td>Registration and Coffee</td>
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<tr>
<td>09.55–10.00</td>
<td>pg10 [Tower 3]</td>
<td>Welcome and Introduction</td>
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<tr>
<td>10.00–13.00</td>
<td>pg10 [Tower 3]</td>
<td>Symposium: Clonal Evolution of Cancer</td>
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<td>11.00–11.30</td>
<td>pg10 [Tower Foyer / Bridge Suite]</td>
<td>Refreshments and Trade Exhibition</td>
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<td>Poster Viewing [Tower 1 &amp; 2]</td>
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<td>13.00–14.00</td>
<td>pg11 [Tower Foyer / Bridge Suite]</td>
<td>Lunch and Trade Exhibition</td>
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<td>13.30–15.00</td>
<td>pg11 [Tower 1 &amp; 2]</td>
<td>Poster Viewing and Chairman’s Rounds</td>
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<td>15.00–16.00</td>
<td>pg12 [Tower 3]</td>
<td>BIVDA Workshop</td>
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<td>16.00–16.30</td>
<td>pg12 [Tower Foyer / Bridge Suite]</td>
<td>Refreshments and Trade Exhibition</td>
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<td>Poster Viewing [Tower 1 &amp; 2]</td>
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<tr>
<td>16.30–18.00</td>
<td>pg13 [Tower 3]</td>
<td>Plenary Oral Presentations</td>
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<td>18.00–18.05</td>
<td>pg14 [Tower 3]</td>
<td>Prize Presentation</td>
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<td></td>
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<td>Jeremy Jass Prize for Research Excellence in Pathology in 2015</td>
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<td>Presented by the Journal of Pathology</td>
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<tr>
<td>18.05–18.50</td>
<td>pg14 [Tower 3]</td>
<td>The Pathological Society’s Goudie Lecture: A Pathologist’s Contribution to Understanding Disease</td>
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<td></td>
<td></td>
<td>Prof AM Flanagan, London</td>
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<tr>
<td>19.45–22.30</td>
<td>pg14 [Trinity House]</td>
<td>Society Dinner</td>
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**Friday 20 January 2017**

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<tr>
<th>Time</th>
<th>Room</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>08.00–09.00</td>
<td>[Tower Foyer / Bridge Suite]</td>
<td>Registration and Coffee</td>
</tr>
<tr>
<td>08.00–13.45</td>
<td>pg15 [Beaufort Suite]</td>
<td>Slide Seminar Case Viewing: The Era of Biological Therapies – An Assortment of their Associated Pathologies</td>
</tr>
<tr>
<td>09.00–11.45</td>
<td>pg15 [Tower 3]</td>
<td>Update Symposium: The Era of Biological Therapies – Implications for Pathology</td>
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<tr>
<td>10.00–10.20</td>
<td>pg15 [Tower Foyer / Bridge Suite]</td>
<td>Refreshments and Trade Exhibition</td>
</tr>
<tr>
<td>11.45–12.45</td>
<td>pg16 [Tower 3]</td>
<td>Slide Seminar Discussion Session: The Era of Biological Therapies – An Assortment of their Associated Pathologies</td>
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<tr>
<td>12.45–13.45</td>
<td>pg16 [Tower Foyer / Bridge Suite]</td>
<td>Lunch and Trade Exhibition</td>
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<tr>
<td>12.45–13.45</td>
<td>pg16 [Tower Foyer / Bridge Suite]</td>
<td>Trainees’ Networking Lunch</td>
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<td>13.45</td>
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<td>Close of Meeting</td>
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Accompanying the Friday programme will be a series of m-learning CPD modules made available on the free eCPD App. These will compliment the pathology of biological therapies lectures.
FREE PAPER SESSIONS

PLENARY ORAL  [Tower 3]
Thursday 19 January, 16.30–18.00.
The six highest-ranked submitted oral abstracts will be presented.

Prize
A prize for best presentation, donated by the Journal of Pathology will be presented at the Society Dinner.

POSTERS, VIEWING AND CHAIRMAN’S ROUNDS

Viewing
Thursday 19 January, 11.00–11.30
Friday 20 January, 10.00–10.20

Chairman’s Formal Poster Rounds
Thursday 19 January, 13.30–15.00
Posters need to be displayed until at least 16.30 on Thursday 19 January as the final judging for the competition will take place during the refreshment break.

Prizes
Poster round Chairs will be circulating on Thursday 19 January to select the winners of the Pathological Society’s Sir Alastair Currie Prize and 2nd and 3rd Poster Prizes. Winners will be announced at the Society Dinner on Thursday 19 January.

POSTERS – INFORMATION FOR PRESENTERS

- Dimensions are A0 portrait. Please do not exceed these dimensions.
- The presenting author (or another author) must attend the meeting and present the poster during the allocated poster rounds in order for the abstract to be published in the Journal of Pathology On-Line Supplement (except where authors have been notified that their abstract will not be published in the Journal).
- Velcro will be supplied.
- Scienceposters – the Society can offer a poster printing service via Scienceposters. See information on our website.

VIRTUAL SLIDE SEMINAR, COMPETITION AND M-LEARNING

The Era of Biological Therapies – An Assortment of their Associated Pathologies
Accompanying the Friday programme will be a series of m-learning CPD modules made available on the free eCPD App. These will complement the pathology of biological therapies lectures.

CASE VIEWING (via PCs)  [Beaumont Suite]
Thursday 19 January, 09.00–18.00
Friday 20 January, 08.00–13.45
Please note the competition closes on Thursday 19 January at 16.30 hrs.

DISCUSSION SESSION  [Tower 3]
Friday 20 January, 11.45–12.45

PRIZE — A case of champagne!
The winner will be announced at the Society Dinner on Thursday 19 January. At the discretion of the winner, by tradition, the prize of a case of champagne is shared amongst those present at the Dinner!

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)
This Meeting has been approved by The Royal College of Pathologists for purpose of Continuing Professional Development. Credits can be accrued as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Thursday 19 January</td>
<td>6 credits</td>
</tr>
<tr>
<td>Friday 20 January</td>
<td>3 credits</td>
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</table>
* 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.

SOCIETY DINNER  [Trinity House, London]
Thursday 19 January, 19.45 for 20.15
Ticket prices:
- Undergraduates: £ 30.00
- All other delegates (up to and including 5 December): £ 60.00
- All other delegates (after 5 December): £ 80.00
Please book your ticket when registering.

TRADE EXHIBITION  [Tower Foyer / Bridge Suite]
Delegates are encouraged to visit the trade exhibition (adjacent to the catering and poster displays) and are requested to support the companies represented there.

PRESENTATION CHECKING AND PREVIEW  [Beaufort Suite]
Presentation checking and preview facilities will be available.

INTERNET ACCESS  [Beaumont Suite]
Delegates will be issued with usernames and passwords at the Registration Desk. Wireless access and PCs will be available for delegate use.

MESSAGES
During the meeting, messages for delegates may be left at the following mobile telephone number: +44 (0)7964 024118.
REFRESHMENTS [Tower Foyer / Bridge Suite]
All refreshments will be served in the Tower Foyer / Bridge Suite unless stated otherwise.

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

COATS AND BAGS
Secure facilities will be provided for coats and bags.

TRAVEL, ACCOMMODATION AND VENUE INFORMATION
Please refer to the meeting website for information. Use the Direct Links to the right.

ENQUIRIES
Before the meeting enquiries should be addressed to:
Pathological Society of Great Britain & Ireland
Address: 150 Minories, London EC3N 1LS
Telephone: +44 (0)20 7347 5751 or 5752
E-mail: admin@pathsoc.org
Website: www.pathsoc.org

DISCLAIMER
The Pathological Society of Great Britain & Ireland cannot be held responsible for any injury or loss sustained during the meeting.

FUTURE MEETINGS
2017  6–10 February, London
Pathological Society Winter School for Trainees
2017  20–23 June, Belfast
Belfast Pathology 2017 – includes Trainees’ Programme
10th Joint meeting of the British Division of the IAP and the Pathological Society
2018  19–22 June, Maastricht
Maastricht Pathology 2018 – includes Trainees’ Programme
11th Joint meeting of the British Division of the IAP and the Pathological Society

GENERAL ARRANGEMENTS / ADDITIONAL INFORMATION

FEES AND REGISTRATION

REGISTRATION FEES
FEES INCLUDE REFRESHMENTS AND LUNCH

<table>
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<th>DELEGATE TYPE</th>
<th>FEE CATEGORIES</th>
<th>DAY or PART DAY</th>
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<tr>
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<td>UP TO AND</td>
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<td>INCLUDING S DEC 2016</td>
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<tr>
<td>Pathological Society Members</td>
<td>Ordinary Members, Consultant and/or equivalent position</td>
<td>£ 125</td>
</tr>
<tr>
<td>Pathological Society Concessionary Members</td>
<td>Honorary or Senior Members; Biomedical Scientists; PhD Students; Post-Doctoral Fellows, Technicians and Trainees</td>
<td>£ 60</td>
</tr>
<tr>
<td>Undergraduate Members</td>
<td></td>
<td>Free</td>
</tr>
<tr>
<td>Non-Members</td>
<td>Consultant and/or equivalent position</td>
<td>£ 175</td>
</tr>
<tr>
<td>Non-Members: Concessionary</td>
<td>Biomedical Scientists; PhD Students; Post-Doctoral Fellows, Technicians and Trainees</td>
<td>£ 80</td>
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<tr>
<td>Non-Members: Undergraduate</td>
<td></td>
<td>£ 80</td>
</tr>
<tr>
<td>SOCIETY DINNER</td>
<td>All delegates except Undergraduates</td>
<td>£ 60</td>
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<tr>
<td></td>
<td>All Undergraduates</td>
<td>£ 30</td>
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ADVANCE REGISTRATION
Registration is via our on-line facility found on our website, use the Direct Link to the right.
Advance registration will close at midnight on Friday 30 December 2016. Thereafter delegates may only register on-site on arrival at the meeting.

* CONCESSIONS
Delegates from categories:
❖ Undergraduate Members  ❖ Non-Members Concessionary
must an identification document as proof of their student or trainee status, including NTNs where applicable. Proof must be by way of a statement from the Head of Department.

A template document is available on our website, use the Direct Link to the right.

Documents to be uploaded via our registration system or e-mailed to: julie@pathsoc.org

CANCELLATIONS
Please note that a cancellation fee of £20 will be deducted from any refund due for cancellations received in writing by Monday 19 December 2016. No refunds will be made after this date.

DELEGATE ENROLMENT (AT THE MEETING)
The Registration Desk will be open from 08.00 each day (unless otherwise specified in the main Programme).
The Pathological Society of Great Britain & Ireland wish to acknowledge the support of the following companies:

**BIOCARTIS NV**
Biocartis aims to provide direct access to personalized medicine for patients worldwide by developing fully integrated, broadly applicable molecular diagnostics. Biocartis’ MDx Idylla™ platform, launched in September 2014, is a fully automated sample-to-result, real-time Polymerase Chain Reaction system that offers accurate, highly reliable molecular information from virtually any biological sample in virtually any setting. Biocartis is developing and marketing a rapidly expanding test menu addressing key unmet clinical needs in oncology and infectious diseases. Today, Biocartis has four oncology tests and one infectious disease test on the market. More information: [www.biocartis.com](http://www.biocartis.com) (Press Photo Library available here)
Follow us on Twitter: @Biocartis

**DAKO, AGILENT PATHOLOGY SOLUTIONS**
We help pathologists make accurate diagnoses and determine the most effective treatment for cancer patients. We are proud to be a leading provider of complete pathology solutions, trusted by pathology laboratories around the world in the fight against cancer. Our Dako brand of high-quality diagnostic antibodies, reagents, instruments, software and expertise help hospitals and research labs make accurate tissue-based cancer diagnoses and determine the most effective treatment for cancer patients.

**HAIN LIFESCIENCE UK LTD**

**HAMAMATSU PHOTONICS LTD**
Hamamatsu Photonics is a world-leading manufacturer of optoelectronic components and systems. The Company’s corporate philosophy stresses the advancement of photonics through extensive research and yields products that are regarded as state-of-the-art. Hamamatsu has a decade of real world experience in delivering sophisticated whole slide imaging (WSI) solutions across the globe. Our NanoZoomer slide scanners are designed to meet your digital pathology requirements for archiving, second opinions or automated analysis.

**PATHOLOGY GROUP**
Pathology Group are an award winning specialist supplier to Hospitals in the UK and Ireland. We have substantive roles throughout the NHS, HSE and International opportunities, as well as temporary contracts at market leading rates. Our dedicated Histopathology consultants are able to support your exact requirements. Whether it is short-term, ad-hoc work for Substantive Consultants looking to supplement their income or long-term, stable locums, looking for work for up to 12 months. Whether you are looking for work within a certain sub-specialty, specific type of Hospital or in a particular location in the UK, Ireland or Internationally, the Pathology Group are here to facilitate that for you.

**SECTRA LTD**
Sectra is a leading global provider of imaging IT solutions that support healthcare in achieving patient-centric care. Sectra offers an Enterprise Image Management solution comprising PACS for imaging-intense departments (radiology, pathology, cardiology, orthopaedics), VNA and Cross Enterprise Workflow solutions. For the third consecutive year in the US and the second consecutive year globally, Sectra PACS has been awarded “Best in KLAS” for highest customer satisfaction.
DETAILED PROGRAMME

09.00
REGISTRATION and COFFEE
Tower Foyer / Bridge Suite

09.00 – 18.00
SLIDE SEMINAR CASE COMPETITION VIEWING
Tower Foyer / Bridge Suite
The Era of Biological Therapies – An Assortment of their Associated Pathologies
Note: Competition closes at 16.30

09.55 – 10.00
WELCOME AND INTRODUCTION
Tower 3
Prof JE Martin
Centre for Tumour Biology, Barts Cancer Institute, UK

10.00 – 13.00
SYMPOSIUM
Tower 3
Clonal Evolution of Cancer
Chair: Prof NA Wright, Centre for Tumour Biology, Barts Cancer Institute, UK
Prof M Ilyas, University of Nottingham, UK

10.00–10.30 [S1] Grading Cancer Evolution for Prognostication
Dr TA Graham
Centre for Tumour Biology, Barts Cancer Institute, UK

10.30–11.00 [S2] ‘Born to be Bad’ – How Evolutionary Dynamics Determine Prognosis
Prof D Shibata
Keck School of Medicine, University of Southern California, USA

11.00–11.30 REFRESHMENTS and TRADE EXHIBITION (Tower Foyer / Bridge Suite)
POSTER VIEWING (Tower 1 & 2)

11.30–12.00 [S3] TRACERx Renal (TRacking Renal Cell Carcinoma Evolution Through Therapy (Rx))
Dr S Turajlic
The Francis Crick Institute, London, UK

12.00–12.30 Clonal Evolution During the Treatment of Breast Cancer
Prof JS Reis-Filho
Memorial Sloan Kettering Cancer Center, New York, USA

Prof J Fitzgibbon
Centre for Haematology-Oncology, Barts Cancer Institute, London, UK

13.00 – 13.30
WELCOME AND INTRODUCTION
Tower 1 & 2
Prof JE Martin
Centre for Tumour Biology, Barts Cancer Institute, UK

13.30 – 15.00
POSTER VIEWING and CHAIRMAN’S ROUNDS
Tower 1 & 2

<table>
<thead>
<tr>
<th>GROUP – CATEGORY</th>
<th>POSTER NUMBER</th>
<th>CHAIR</th>
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<tbody>
<tr>
<td>1 – Autopsy/Forensic Cardiovascular/Pulmonary</td>
<td>P1–P2 P3–P10</td>
<td>Dr EW Benbow, Manchester; Prof MN Sheppard, London</td>
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<tr>
<td>2 – Breast Endocrine</td>
<td>P11–P21 P22</td>
<td>Dr CM Quinn, Dublin; Prof E Rakha, Nottingham</td>
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<tr>
<td>3 – Cellular/Molecular Gynaecological</td>
<td>P23–P26 P27–P33</td>
<td>Prof CS Herrington, Edinburgh; Dr S Manek, Oxford</td>
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<tr>
<td>4 – Education and Audit Genitoourinary</td>
<td>P34–P35 P36–P40</td>
<td>Dr L Beltran, London; Prof SS Cross, Sheffield</td>
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<tr>
<td>5 – Gastrointestinal Hepatobiliary/Pancreas</td>
<td>P41–P48 P49–P50</td>
<td>Prof RM Feakins, London; Prof KP West, Leicester</td>
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<tr>
<td>6 – Haematopathology Neonatal/Paediatric Neuropathology/Ophthalmic</td>
<td>P51–P53 P54 P55–P57</td>
<td>Prof MQ Du, Cambridge; Prof P van der Valk, Amsterdam</td>
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<tr>
<td>7 – Head and Neck Osteoarticular/Soft Tissue Skin Technical Advances</td>
<td>P58–P60 P61–P62 P63–P64 P65 *</td>
<td>Prof GI Murray, Aberdeen; Prof G Thomas, Southampton</td>
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* P65 has been withdrawn
PLENARY ORAL PRESENTATIONS
Chair: Prof AM Flanagan, Pathological Society Meetings Secretary and UCL/Royal National Orthopaedic Hospital, UK
Prof CS Herrington, Editor-in-Chief, Journal of Pathology and University of Edinburgh, UK

© JAW Mogg1; S Tonin2; LJ Russell2
1Newcastle University, Newcastle Upon Tyne, UK; 2Northern Institute for Cancer Research, Newcastle Upon Tyne, UK

16.45–17.00 [PL2] Alterations of Pericytes in the Bone Marrow Stem Cell Niche of Patients with Type 2 Diabetes Mellitus
© A Cordaro1; G Mangialardi1; D Ferland-McCollough2; J Richard1; P Madeddu2
1School of Clinical Sciences, University of Bristol, Bristol, UK; 2Bristol Heart Institute, University of Bristol, Bristol, UK

17.00–17.15 [PL3] The use of Affymetrix OncoScan to Validate Biomarker Screening Results in Patients Enrolled in the MRC FOCUS4 Trial: The Quest to Get More, from Less
© SD Richman1; H Wood1; M Taylor1; G Hemmings1; P Chambers1; R Adams1; R Butler1; JM Foster1; KG Spink2; T Maughan3; P Quirke1
1Leeds Institute of Cancer and Pathology, Leeds, UK; 2Cardiff University School of Medicine, Cardiff, UK; 3Affymetrix UK Ltd, High Wycombe, UK; 4University of Oxford, Oxford, UK

17.15–17.30 [PL4] Colon Cancer: Computer Assisted Quantitative Immunohistochemical Analysis Improves RNA Expression Based Prognostic Score
M Kreutzfeldt1; P Tsantoulis1; L Rubbia Brandt1; S Tejpar2; M Delonenzi3; A Roth1; D Merlker1; © T McKee1
1Geneva University Hospitals, Geneva, Switzerland; 2KU Leuven, Leuven, Belgium; 3Swiss Bioinformatics Institute, Lausanne, Switzerland

17.30–17.45 [PL5] Expression of Mel-CAM and HSD3B1 in Cervical Carcinoma
© MJ Olusoji1; S Van Noorden; N Magdy; M Masood; E El-Bahrawy
Hammersmith Hospital/ Imperial College London, London, UK

17.45–18.00 [PL6] Role of Myc in Choroid Plexus Tumour Pathogenesis
© A Merve1; S Acquati1; J Hoeck2; J Jeyapalan1; A Behrens2; S Marino3
1Blizard Institute, Barts & The London School of Medicine, Queen Mary University of London, London, UK; 2Mammalian Genetics Lab, The Francis Crick Institute, London, UK

THURSDAY 19

BIVDA WORKSHOP
Digital Pathology – Time to Go Mainstream

Introduction
Mr T Sackville
Philips; Chair of the BIVDA DP Working Party

Successful Digital Pathology Solutions
Mr M Hemamda
Leica

Building a Business Case
Dr D Snead
UHCW

Raising Awareness
Mr S Kimber
Sysmex

The Challenge of NHS IT
Video Q&A Session
Ms R Dunscombe
SRFT

RC Path View of Digital Pathology (to be confirmed)

Summary and Panel Discussion
Mr K Miller
NEQAS
Dr D Snead
UHCW
Dr B Tanchel
Heart of England FT
Mr T Sackville
Philips

REFRESHMENTS and TRADE EXHIBITION [Tower Foyer / Bridge Suite]
POSTER VIEWING [Tower 1 & 2]
Accompanying the Friday programme will be a series of m-learning CPD modules made available on the free eCPD App. These will compliment the pathology of biological therapies lectures.

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**Friday 20 January 2017**

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**08.00 – 09.00**

**Registration and Coffee**

**Tower Foyer / Bridge Suite**

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**08.00 – 13.45**

**Slide Seminar Case Viewing**

**The Era of Biological Therapies – An Assortment of their Associated Pathologies**

**Beaufort Suite**

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**09.00 – 11.45**

**Update Symposium**

**The Era of Biological Therapies – Implications for Pathology**

**Chair:** Dr H Haynes, University of Bristol, UK
Dr G Petts, Central Manchester University Hospitals NHS Foundation Trust, Manchester, UK

**09.00–09.30**

**[S5]** Biological Therapies and Gastrointestinal Pathology
Dr AC Bateman
University Hospital Southampton NHS Foundation Trust, Southampton, UK

**09.30–10.00**

**[S6]** Biological Therapies and Dermatopathology
Prof M Goodfield
Leeds Teaching Hospitals NHS Trust, Leeds, UK

**10.00–10.20**

**Refreshments and Trade Exhibition**

**[Tower Foyer / Bridge Suite]**

**Poster Viewing**

**[Tower 1 & 2]**

**10.20–10.50**

**[S7]** Biological Therapies and Renal Pathology
Prof M Yaqoob
Barts Health NHS Trust and Queen Mary’s College, University of London, UK

**10.50–11.20**

**Biological Therapies and Rheumatology**
Prof C Pitzalis
William Harvey Research Institute, Barts and the London School of Medicine and Dentistry, London, UK

**11.20–11.35**

**Panel Session / Q & A**

**11.35–11.45**

**Break**
ABSTRACT REVIEWERS

SLIDE SEMINAR DISCUSSION SESSION
The Era of Biological Therapies – An Assortment of their Associated Pathologies
Chair: Dr E Clark, Leeds Teaching Hospital NHS Trust, Leeds, UK
Dr N Orsi, St James's University Hospital, Leeds, UK

11.45–11.57 Case 1
Dr G Petts
Manchester, UK

11.57–12.21 Cases 2 and 3
Dr C Young
Leeds, UK

12.21–12.33 Case 4
Dr H Haynes
University of Bristol, UK

12.33–12.45 Pathological Society Case Report Prize Winner 2016
Undergraduate Category
Miss RC Mansfield
Oxford, UK

12.45 – 13.45 LUNCH and TRADE EXHIBITION [Tower Foyer / Bridge Suite / Tower 1 & 2]
POSTER VIEWING [Tower 1 & 2]

13.45 CLOSE OF MEETING