

BRITISH SOCIETY OF TOXICOLOGICAL PATHOLOGY



**The 33rd Annual Scientific Meeting of the
British Society of Toxicological Pathology (BSTP)**

Pathology of Mouse Models of Disease

**Thursday 15th & Friday 16th November 2018
MedImmune, Granta Park, Cambridge, UK**



**REGISTRATION IS STILL OPEN
AND WILL CLOSE AT MIDNIGHT ON SUNDAY 21st OCTOBER 2018**

**35.25 Royal Society of Biology CPD credits will be applied for
11.75 hours of educational activity will be recorded on Attendance
Certificates**

If you have any queries regarding this meeting, please contact the BSTP Secretariat -
bstpoffice@aol.com or visit the BSTP website:

<http://www.bstp.org.uk/events/bstp-asm-pathology-of-mouse-models-of-disease/>

Welcome

The BSTP's 33rd Annual Scientific Meeting (including the AGM) will cover the topic of mouse pathology.

Based on the approach of previous mouse pathology meetings organised by the Wellcome Trust in 2012, 2014 and 2016, this meeting will aim to have a mix of talks to enable those in the early stages of their career to learn about pathology basics including terminology and necropsy; the basics of necropsy approach and sample collection; collecting and handling samples and recording pathology data; commonly used mouse strains and common phenotypes; infectious diseases that can affect phenotypes; planning for the unexpected - ASPA. For more experienced pathologists, the aim is to enable you to refresh your knowledge on the basics, whilst including talks on CRISPR/Cas9 technology; immuno-oncology and biologic effects; and tissue based genetic studies.

- **Animal models in the age of CRISPR technology.**
- **Animal models in oncology drug development.**
- **Humanised mouse models in infectious disease research.**
- **Automated image analysis and artificial intelligence in pathology.**
- **Taking images for publication.**
- **Environmental effects on model phenotypes.**
- **A 'toolkit' for pathology – recognition of gross lesions, taking samples, fixatives, special stains, RNAscope, tissue trimming and embedding, creating pathology data, INHAND, goRENI, comparative histopathology, comparative histopathology, strain and age-related differences.**
- **The first day of the meeting will conclude with the Annual General Meeting of the BSTP.**

Sponsorship and Promotional Opportunities

We feel that by participating in this conference it would allow your company to showcase a range of products to a diverse group of toxicological and experimental pathologists. Please contact the BSTP at bstpoffice@aol.com more information.

IMPORTANT DEADLINES

Applications for Trainee/Early Career Pathologist places closes at midnight on Monday 31st July 2018

Early bird registration closes at midnight on Sunday 30th September

Registration closes at midnight on Sunday 21st October 2018

So, if you are you looking for some high quality CPD and would you like to broaden your understanding on Pathology of Mouse Models of Disease then this is the meeting for you.

We hope to see you in November!

Provisional Programme

THURSDAY 15TH NOVEMBER 2018		
08.15 - 08.45	REGISTRATION	
08.45 - 09.00	WELCOME AND INTRODUCTION	
09.00 - 09.45	Plenary: Automated image analysis and Artificial intelligence in pathology <i>Sami Blom, Aiforia, Finland</i>	
09.45 - 10.30	Plenary: Mouse models with humanised immune systems <i>Kourosh Saeb-Parsy, University of Cambridge, UK</i>	
10.30 - 11.00	REFRESHMENT BREAK AND ROOM CHANGE	
	Session 1: Mouse Pathology 1-0-1 (see notes on Page 4)	Session 2: Animal models in oncology drug development
11.00 - 11.45	Pathology basics <i>Ellie Ross, Crick Institute, UK</i>	Overview of animal models of efficacy in oncology drug development <i>Jen Barnes, AstraZeneca, UK</i>
11.45 - 12.30	Histology basics <i>Anne-Laure Bauchet, Sanofi Pasteur, France</i>	Immunophenotyping of the tumour microenvironment <i>Keith Mansfield, Novartis, Switzerland</i>
12.30 - 13.30	LUNCH	
13.30 - 14.00	Toolkit for pathology <i>Anne-Laure Bauchet, Sanofi Pasteur, France</i>	Mass spec imaging in oncology drug development <i>David Bonner, Imabiotech, France</i>
14.00 - 14.30	Creating pathology data <i>Cheryl Scudamore, Envigo, UK</i>	'All in one lung' model for NSCLC <i>Anderson Ryan, University of Oxford, UK</i>
14.30 - 15.00	Recognising common pathology lesions <i>Elizabeth McInnes, Syngenta, UK</i>	Discovery safety modelling of traditional safety endpoints for oncology agents <i>Teresa Collins, AstraZeneca, UK</i>
15.00 - 15.30	REFRESHMENT BREAK	
15.30 - 16.15	Comparative histopathology <i>Cory Brayton-Jones, Hopkins University of Medicine, USA</i>	In vivo imaging mouse models in oncology drug development <i>Alan Wright, Cancer Research UK, UK</i>
16.15 - 17.00	Common causes of (un)expected death in mice <i>Cory Brayton-Jones, Hopkins University of Medicine, USA</i>	BSTP Annual General Meeting

FRIDAY 16TH NOVEMBER 2018	
08.30 - 08.55	REGISTRATION
08.55 - 09.00	INTRODUCTION TO DAY 2
09.00 - 10.00	Plenary: Animal models in the age of CRISPR technology <i>Eckhard Wolf, Gene Centre, LMU Munich, Germany</i>
10.00 - 10.30	General toxicity testing in animal models of disease – a regulatory perspective <i>David Jones, MHRA, UK</i>
10.30 - 11.00	REFRESHMENT BREAK
11.00 - 12.00	Short Scientific Presentation:
	Technology on the Pitch:
	Short Scientific Presentation:
	Technology on the Pitch:
	Short Scientific Presentation:
	Short Scientific Presentation:
	Short Scientific Presentation:
12.00 - 13.00	LUNCH
13.00 - 13.45	Title – TBC <i>Speaker - TBC</i>
13.45 - 14.30	The role of the microbiome in animal models <i>Azel Kornerup Hansen, University of Copenhagen, Denmark</i>
14.30 - 15.00	REFRESHMENT BREAK
15.00 - 15.45	3D/MPS systems – are they the models of the future? <i>David Hughes, CN Bio Innovations, UK</i>
15.45 - 16.00	Concluding remarks

Session 1 – Mouse Pathology Notes:

Pathology Basics: Why is pathology needed; basics of necropsy; recognising and describing gross lesions; taking samples; fixing. With a particular focus on preparation e.g. lung inflation, gut sampling and which localisation e.g. prostate.

Histology Basics: Basic tissue trimming (RENI); principles of correct localisation; orientation; amount of tissue; processing and embedding for H&E histology; correct staining; pitfalls.

Toolkit for pathology: Use of different fixatives; frozen tissue; decalcification; use of special stains; immuno; ISH; RNAscope etc.

Creating pathology data: Collecting and recording pathology data; planning a study; appropriate controls; quantitative vs semiquantitative.

Recognising common pathology lesions: Basic microscopic terminology; where to get the information i.e. INHAND, goRENI; common non-lethal background changes e.g. inflammation, foci etc.

Comparative histopathology: Important differences – mouse vs human; disease susceptibility and responses; related to strains; limitations.

Common causes of (un)expected death in mice: Strain and age-related differences; common strains e.g. C57Bl6, BALBc.

You are advised that the programme timings, lecture title and speakers may be subject to change without notice

Registration

Registration	Full meeting registration fee		Day delegate registration fee	
	Before 30th Sept 2018	After 30th Sept 2018	Before 30th Sept 2018	After 30th Sept 2018
BSTP Member	£375.00	£475.00	£275.00	£375.00
Non-Member/Industry	£475.00	£575.00	£375.00	£425.00
Non-Member/Academic	£250.00	N/A	£150.00	N/A
Trainee/Early Career Pathologist * see below	£200.00	N/A	N/A	N/A

* **Trainee/Early Career Pathologists** you are required to provide written confirmation of your status from your Head of Department (on headed paper) when submitting your registration form.

THE EARLY REGISTRATION FEE WILL END AT MIDNIGHT ON SUNDAY 30th SEPTEMBER!

Full meeting registration fee includes: All scientific sessions including a USB flash drive containing the meeting booklet; attendance certificate and refreshments during breaks and light lunches on both days.

Trainee/Early Career Pathologist registration fee includes: All scientific sessions including a USB flash drive containing the meeting booklet; attendance certificate and refreshments during breaks and light lunches on both days.

Day delegate registration fee includes: All scientific sessions on the day booked including a USB flash drive containing the meeting booklet; attendance certificate and refreshments during breaks and a light lunch.

A list of the terms and conditions are available on the online registration form.

Registration for this meeting opened in May 2018 and **will close on 21st October 2018**. Requests to attend will not be accepted after **21st October 2018**.

Cancellation Policy: All requests for cancellations to bookings must be received in writing by **30th September 2018**. Refund requests received up to 30th September 2018 will incur a 25% processing fee. Refund requests received after 30th September 2018 will not be processed. Those who cancel after **21st October 2018** and have not paid will be invoiced for the full amount.

Replacements: Substitutions can be made at any time up to **21st October 2018**.

If you have any queries, please contact:

BSTP Secretariat

BSTP | PO Box 819 | Harrogate | North Yorkshire HG1 9XF | UK

Tel: + 44 (0)7894 123 533

Email: bstpoffice@aol.com

Website: www.bstp.org.uk

Trainee/Early Career Pathologist Opportunities

Are you a scientist working with mouse models of disease?



Pathology is an important tool for assessing disease induction in mouse models. This meeting will be delivered by mouse pathology experts and is aimed at PhD Students, post-doctoral researchers, and principal investigators new to mouse models. Topics will include:

- How to perform a mouse post mortem
- Recognising inflammation and cancer at post mortem and in tissues under the microscope
- Sample collection and recording pathology data
- Commonly used mouse strains and common phenotypes
- Infectious diseases that can affect these phenotypes.

The scientific programme and plenary lectures of this meeting will also be covering some of the important scientific breakthroughs revolutionising mouse pathology including: CRISPR/Cas9 technology; immuno-oncology and biologic effects; tissue based genetic studies, and will allow networking opportunities with experienced mouse pathologists at this unique event.

The BSTP are delighted to offer 10 PhD students/residents the opportunity to attend (free of charge) the full meeting (Thursday 15th and Friday 16th November 2018) or as a day delegate (on Thursday 15th November 2018 only). In addition, successful candidates will receive a year's free membership of the BSTP worth £60.

A prize (worth £100 and sponsored by [PathCelerate Ltd](#)) will be awarded to the best Scientific Presentation given by a student/resident during the final morning session on the second day of the meeting.

Applicants must be stipendiary students studying a relevant mouse-model based PhD project, or pathology residents/trainees/early career pathologists working with mouse models.

All applications must be made by email to the BSTP Secretariat bstoffice@aol.com by **midnight on 31st July 2018** with applications will be assessed by the BSTP Council on merit.

Successful applicants will be notified on or before **1st September 2018**.

For more information including application requirements, please visit:
<http://www.bstp.org.uk/events/bstp-asm-pathology-of-mouse-models-of-disease/>

Meeting Location

**MedImmune
Milstein Building
Granta Park
Cambridge CB21 6GH
UK**

Tel: + 44 (0)1223 471 471

Web: <https://www.medimmune.com/about-us/cambridge-uk.html>



BY ROAD

For detailed road information via the M11 and A11 check your route using <http://www.bing.com/maps/>

BY PUBLIC TRANSPORT

If you are travelling by train, contact the National Rail Enquiry Line - <https://www.thetrainline.com/train-companies/national-rail>

Granta Park provides two commuter bus services, one from Cambridge Train Station with stops at Hills Road and Addenbrookes' Hospital, and one from Whittlesford Parkway Station.

Please click here for more information: <http://www.grantapark.co.uk/park-life/travel/>

BY AIR

Stansted Airport – 25.3 miles

London Heathrow Airport – 90.4 miles

Gatwick Airport – 80 miles

East Midlands Airport – 100.2 miles

Need somewhere to stay?

The cost of accommodation is **NOT** included in the registration fee; all delegates are responsible for making their own travel and accommodation arrangements.

Cambridge is a popular tourist and conference destination. It is therefore advisable to book accommodation well in advance of your visit.

The Visitor Information Centre (<http://www.visitcambridge.org/>) can help with information on accommodation and can book a place for you.

Details of hotels used by BSTP members attending previous events in Cambridge are as follows:

Hotel du Vin & Bistro – <http://www.hotelduvin.com/about-us/>

The Best Western Gonville Hotel - <http://www.gonvillehotel.co.uk/>

The Lensfield Hotel - <http://www.lensfieldhotel.co.uk/>

The Royal Cambridge Hotel - <http://www.theroyalcambridgehotel.co.uk/>

The Arundel House Hotel - <http://www.arundelhousehotels.co.uk/>

Other hotels in the area:

Holiday Inn Express -

https://www.ihg.com/holidayinnexpress/hotels/gb/en/cambridge/cbgdk/hoteldetail?cm_mmc=GoogleMaps- -EX- -GB- -CBGDK

Premier Inn -

<https://www.premierinn.com/gb/en/hotels/england/cambridgeshire/cambridge.html>

Ibis –

<https://www.accorhotels.com/gb/hotel-8548-ibis-cambridge-central-station/index.shtml>

Alternatively, you can check hotel availability via the following links:

If you need to find other hotels in the area put **LITTLE ABINGTON, CAMBRIDGE** or **DUXFORD** into a hotel search engine such as <http://www.hotels.com> or <http://www.booking.com> or <https://www.trivago.co.uk>

Please don't hesitate to contact bstpoffice@aol.com if you have problems finding a suitable hotel.

Sponsors

There are a number sponsorship opportunities still available, if your company is interested in providing sponsorship for this event, either financial or by the provision of delegate materials, please contact the BSTP Secretariat as soon as possible – bstpoffice@aol.com



**THIS COULD BE YOUR
COMPANY LOGO!**

Speed Networking and Mentor/Mentee Partnership Building Event!

New to the industry?

Want to meet some new contacts or seek career advice?

Then come to the inaugural BSTP Speed Networking Event, to be held during this year's Annual Scientific Meeting.



Find out about different roles within the industry, how to prepare for exams, how to advance your career, and with whom to speak to take any mentor/mentee partnerships forward.

3-Minute Networking will be an opportunity to meet plenty of interested and engaged professionals in a short and fun period, enabling you to maximise your networking opportunities.

More information will be available to those that register for this meeting.

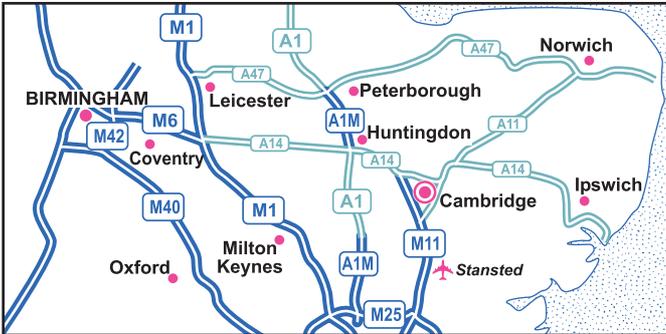
Bring plenty of business cards!





MedImmune

MedImmune Limited
Milstein Building, Granta Park, Cambridge, CB21 6GH, UK
Tel: +44 (0) 1223 471 471, Fax: +44 (0) 1223 471 472



From the M25 Jct 27 / London

- Join the M11 northbound towards Cambridge.
- Leave the M11 at Junction 9 (signposted to Newmarket, Norwich A11) and continue onto the A11, following signs for **Granta Park**.

From the A1(M) Jct 9

- Leave the A1 at the exit for Baldock and take the A505 towards Cambridge and Newmarket.
- Continue on the A505, crossing the M11, and follow signs for Newmarket.
- Continue over the next two roundabouts and take the slip road on the left for **Granta Park**.

From the A14 / The West

- Follow the A14 southbound then join the M11 (Junction 14).
- Leave the M11 at Junction 10 and follow signs for Newmarket.
- Continue over the next two roundabouts and take the slip road on the left for **Granta Park**.

From Norwich (A11) or Ipswich, Bury St Edmunds (A14)

- Follow directions to M11, London and Stansted Airport (via A11). At junction of A1307 (Cambridge/Haverhill Road) leave A11 and follow signs to **Granta Park**.

By Train

- Cambridge Station: approximately 15 minutes by taxi.
- Whittlesford Station: approximately 10 minutes by taxi.
- For further train service information, please telephone the National Rail Enquiry Line on +44 (0) 8457 48 49 50.

