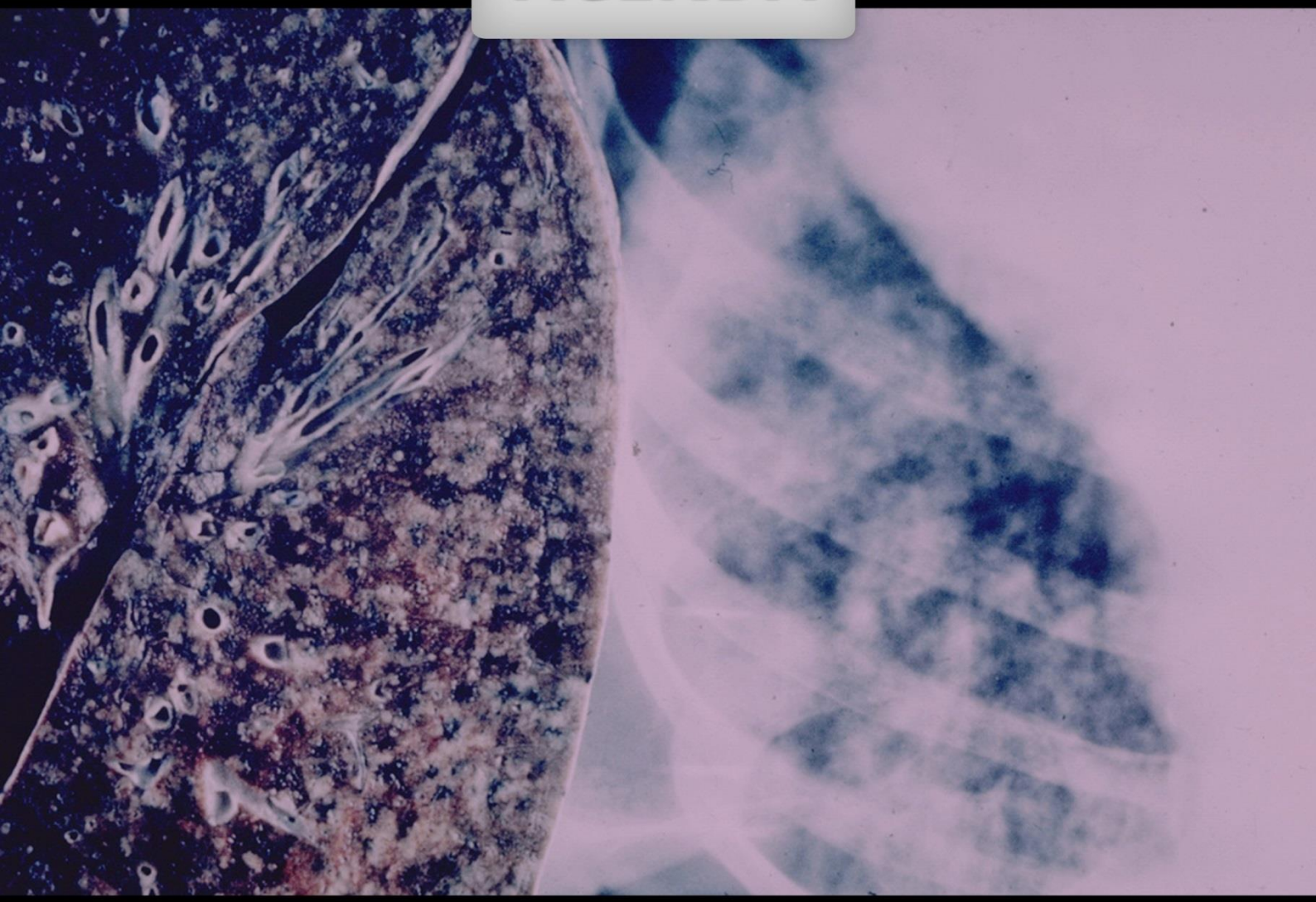
THE 2015 TB SUMMIT

AGENDA



24th - 26th March 2015
London, UK

EuroSciCon

This three day international event will explore new research into TB detection, treatments and vaccination as well as new development in controlling and preventing TB Infection.

We welcome abstracts for oral and poster presentation and will have an open oral and poster session where abstracts can be sent relating to any aspect of TB research

This event has CPD accreditation

www.regonline.co.uk/TB2015

Hashtag: #TB2015

Contents

Day 1: Treatment and Control 5
Introduction by the Chair 5
"Dangerous" M. tuberculosis genotypes their transmission and acquisition of drug resistance - implications for treatment and infection control 5
MDR-TB - excellent treatment outcome in the Netherlands - teamwork with all stakeholders 5
Acute minimally invasive surgical treatment in Pott's diseases 5
Oral Presentations 5
TB screening and biologic therapy 5
The role of surgery in active TB 5
Design, Syntheses and Studies of New Potent and Selective Anti-tuberculosis Agents Based on Imidazopyrine Cores 5
Oral Presentations 5
Immunoprophylactic and immnunotherapeutic roles of different immnunomodulators during the disease process 5
Agenda 5
Day 2, Morning Session: Disease Progression 6
Introduction by the Chair 6
Investments in tuberculosis research 1997-2013 - an analysis of the UK research portfolio 6
The immunopathogenesis of tuberculosis in Asian Elephants (Elephas maximus) 6
Oral Presentations 6
Day 2, Afternoon Session: Global Challenges 6
Introduction by the Chair 6
Gender Disparity in Tuberculosis: Global Health Issue and its Challenges 6
Mycobacterial ParE2 : A DNA Gyrase inhibitor and its role in mycobacterial persistence 6
Synthesis and evaluation of potential inhibitors of M.Tb. bearing aminoheterocyclic cores 6
Day 3, Morning: Detection, Prediction and Prognosis 7
Introduction by the Chair 7
Vaccination of badgers against bovine tuberculosis 7
Predictors and prognostic indicators of stroke in CNS tuberculosis 7
Does HIV modify the association between hyperglycaemia and active tuberculosis? 7
A fragment based approach to develop inhibitors of HSAD- an enzyme encoded in a cholesterol catabolism operon in mycobacterium tuberculosis 7
VPM1002 a new prime vaccine on the horizon 7
Discussion Session for all the Speakers 7
About the Speakers 8
Day 1 8
Richard Anthony, ... 8
Tjip S van der Werf, ... 8
Khaled M. AlKattan, ... 8
Marvin J. Miller, ... 8
Day 2 8

Michael Head, ... 8
Jennifer (Jaime) Landolfi, ... 8
Manish Gupta, ... 9
Michel Baltas, ... 9
Day 3 9
Mohammad Wasay, ... 9
Sarah Lou Bailey, ... 9
Elena Polycarpou, ... 9
Leander Grode, ... 9
Discussion Sessions 10
Session breaks 10
Lunch 10
- All the chicken in our lunch buffet is Halal 10
- We have a number of dishes that are gluten free 10
- We have a range of vegetarian dishes which are separated from the meat and fish dishes 10
Frequently asked questions about our events 10
Is the delegate list available? 10
Can I have the speakers slides? 10
Can I have a notepad? 10
How can I keep up to date with Euroscicon Events? 11
I don't want my photograph on any Euroscicon promotional material 11
Is there WIFI? 11

Agenda (Talk times include 5 – 10 minutes for questions)

Day 1: Treatment and Control		
09:00 – 09:45	**Exhibitions open**	Registration and Refreshments
09:45 – 10:00	**Introduction by the Chair**	*Dr. Sanjib Bhakta*, Birkbeck College, London, United Kingdom
10:00 – 10:30	**"Dangerous" M. tuberculosis genotypes their transmission and acquisition of drug resistance - implications for treatment and infection control**	*Dr. Richard Anthony,* Royal Tropical Institute, Amsterdam, The Netherlands
10:30 – 11:00	**MDR-TB - excellent treatment outcome in the Netherlands - teamwork with all stakeholders**	*Dr. Tjip S van der Werf,* MD PhD, pulmonologist, Professor of Medicine, Infectious Diseases Service, Dept of Internal Medicine, and Pulmonary Diseases & Tuberculosis, UMCG, University of Groningen, Groningen, The Netherlands
11:00 – 11:30	**Session Break**	Speakers' photo, Refreshments, Poster viewing, Sponsors exhibition
11:30 – 12:00	**Acute minimally invasive surgical treatment in Pott's diseases**	*Dr Stefano Rigotti*, Ospedale Sacro Cuore, Negrar, Verona, Italy
12:00 – 12:30	**Oral Presentations** 12:00 – 12:15 **CD1 ANTIGENS: STRUCTURE ELUCIDATION AND AVAILABILITY THROUGH CHEMICAL SYNTHESIS** A.J. Minnaard; Stratingh Institute for Chemistry, University of Groningen, Nijenborgh 7, 9747 AG Groningen,The Netherlands 12:15 – 12:30 **MODULAR CAPACITY BUILDING APPROACH OF DOCTORS AND HEALTH CARE WORKERS INCREASES CASE DETECTION RATE IN CHILD TB: A BANGLADESH MODEL** 1. Dr. Shakil Ahmed, 2. Prof. M Ruhul Amin, 3. Prof. ARM Luthful Kabir, 4. Prof. Md. Abid Hossain Mollah, 5. Dr. Masuda Mohsena; Dr. Shakil Ahmed, Assistant Professor of Pediatrics, Shaheed Suhrawardy Medical College, Dhaka-1207, Bangladesh	
12:30 – 13:30	**Session Break**	Lunch, Poster viewing, Sponsors exhibition
13:30 – 14:00	**Discussion session**	
14:00 – 14:30	**TB screening and biologic therapy**	Professor Onn Min Kon, Consultant Respiratory Physician MD FRCP, Chest and Allergy Clinic, St Mary's Hospital, Imperial College Healthcare NHS Trust, London UK
14:30 – 15:00	**The role of surgery in active TB**	*Professor Khaled M. AlKattan*, Professor of Surgery Dean, College of Medicine, Alfaisal University, Saudi Arabia
15:00 – 15:30	**Session Break**	Refreshments, Last poster viewing, Last Sponsors exhibition
15:30 – 16:00	**Design, Syntheses and Studies of New Potent and Selective Anti-tuberculosis Agents Based on Imidazopyrine Cores**	*Dr Marvin J. Miller*, George and Winifred Clark Professor of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN, USA
16:00 – 16:30	**Oral Presentations** 15:30 – 15:45 **LINEAGE 7 MYCOBACTERIUM TUBERCULOSIS STRAINS ARE ASSOCIATED WITH LONGER PATIENT DELAY IN PULMONARY TB PATIENTS** SA Yimer, G Norheim, A Namouchi, ED Zegeye, W Kinander, T Tønjum,S Bekele, T Mannsåker, G Bjune, A Aseffa , C Holm-Hansen; Department of Microbiology, Unit for Genome Dynamics, Oslo University Hospital, PO Box 4950, Nydalen, NO-0424 Oslo, Norway 15:45 – 16:00 **RESISTANCE TO PYRAZINAMIDE IN RUSSIAN MYCOBACTERIUM TUBERCULOSIS ISOLATES** D.A. Maslov[a], O.B. Bekker[a], T.G. Smirnova[b], Elena E. Larionova[b], Sofya N. Andreevskaya[b], L.N. Chernousova[b], Y. Zhang[c], V.N. Danilenko[a, d] ; [a]Vavilov Institute of General Genetics, Russian Academy of Sciences, Moscow, Russia;	
16:30 – 17:00	**Immunoprophylactic and immnunotherapeutic roles of different immnunomodulators during the disease process**	*Professor Subrata Majumdar*, MSc., Ph.D. FNASc, FAScT, Division of Molecular Medicine, Bose Institute, India
17:00	**Chairman's Summing Up**	**Close of Session**

Day 2, Morning Session: Disease Progression		
09:00 – 09:45	**Exhibitions open**	Registration and Refreshments
09:45 – 10:30	**Introduction by the Chair** **Investments in tuberculosis research 1997-2013 - an analysis of the UK research portfolio**	*Dr Michael Head*, Research Associate, University College London, UK
10:30 – 11:00	**The immunopathogenesis of tuberculosis in Asian Elephants (Elephas maximus)**	*Dr Jennifer (Jaime) Landolfi,* DVM, PhD, Diplomate ACVP University of Illinois, Zoological Pathology Program, US
11:00 – 11:30	**Session Break**	Speakers' photo, Refreshments, Poster viewing Sponsors exhibition
11:30 – 12:00	**Pulmonary tuberculosis and systemic mycosis co-infection - clinical Implications**	*Dr Rinaldo Poncio Mendes*, M.D., Ph.D.
12:00 – 12:30	**Oral Presentations** 12:00 – 12:15 **ROLE OF TNF-α, IFN-γ, IL-12p70, IL-4 & IL-1β AS EARLY TREATMENT RESPONSE BIOMARKERS FOR THE DETECTION OF MDR-TB** Nazish Fatima*, Mohammad Shameem**, Nabeela*, Haris M Khan*, Indu Shukla* *Department of Microbiology, Jawaharlal Nehru Medical College, AMU, Aligarh. **Department of TB & Respiratory Diseases, Jawaharlal Nehru Medical College, AMU, Aligarh. Address of corresponding author: - Dr. Nazish Fatima, Department of Microbiology, JNMC, AMU, Aligarh, India. 12:15 – 12:30 **TH1 AND TH17 LEVELS IN TUBERCULOSIS PATIENTS WITH DIABETES MELLITUS** Adil Wafi CG, Zuber Ahmed, ,Mohammad Owais, **Mohammad Shameem**, Sheelu Shafique , Mazhar Alam, Mohd Arif Alam, Arshad Ejazi Dr Mohammad Shameem MD;FRCP(Edin.) Department of Tuberculosis and Chest Diseases; JN Medical College, Aligarh Muslim University; Aligarh UP 202002 India	
12:30 – 13:30	**Session Break**	Lunch, Poster viewing, Sponsors exhibition
13:30 – 14:00	**Discussion Session**	
Day 2, Afternoon Session: Global Challenges		
14:00 – 14:30	**Introduction by the Chair**	*Professor. P K Das,* University of Amsterdam, Pathology, Academic Medical Centre, University of Amsterdam, Amsterdam, AZ, The Netherlands.
14:30 – 15:00	**Gender Disparity in Tuberculosis: Global Health Issue and its Challenges**	*Ms. Navjot Kaur*, School of Mathematics and Computer Applications, Thapar University, Patiala, India
15:00 – 15:30	**Session Break**	Refreshments, Last poster viewing, Last Sponsors exhibition
15:30 – 16:00	**Mycobacterial ParE2 : A DNA Gyrase inhibitor and its role in mycobacterial persistence**	*Mr. Manish Gupta*, Teri University and Bsl-3 Lab, School Of Biotechnology, Jawaharlal Nehru University , New Deli, India
16:00 – 16:30	**Synthesis and evaluation of potential inhibitors of M.Tb. bearing aminoheterocyclic cores**	*Dr Michel Baltas,* CNRS LSPCMIB UMR 5068, CNRS, France
16:30 – 17:00	**Chairman's Summing Up**	**Close of Session**

Day 3, Morning: Detection, Prediction and Prognosis		
09:00 – 10:15	**Exhibitions open**	Registration and Refreshments
10:15 – 11:15	**Introduction by the Chair** **Vaccination of badgers against bovine tuberculosis**	Dr Sandrine Lesellier, PhD, MRCVS BAC4, Animal and Plant Health Agency (APHA), New Haw, UK
11:15 – 11:45	**Session Break**	Speakers' photo, Refreshments, Poster viewing Sponsors exhibition
11:45– 12:15	**Predictors and prognostic indicators of stroke in CNS tuberculosis**	Professor Mohammad Wasay MD, FRCP, FAAN, Aga Khan University, Karachi, Pakistan
12:15 – 13:00	**Does HIV modify the association between hyperglycaemia and active tuberculosis?**	Dr Sarah Lou Bailey, London School of Hygiene and Tropical Medicine, UK
13:00 – 14:00	**Session Break**	Lunch, Poster viewing, Sponsors exhibition
14:00 – 14:30	**A fragment based approach to develop inhibitors of HSAD- an enzyme encoded in a cholesterol catabolism operon in mycobacterium tuberculosis**	Dr Elena Polycarpou, Faculty of Science, Engineering and Computing Kingston University London, UK
14:30 – 15:00	**Session Break**	Speakers' photo, Refreshments, Poster viewing Sponsors exhibition
15:00 – 15:45	**VPM1002 a new prime vaccine on the horizon**	Dr Leander Grode, Vakzine Projekt Management GmbH, Hannover, Germany
15:45 – 16:30	**Discussion Session for all the Speakers**	
16:30 - 17:00	**Chairman's Summing Up**	**Close of Meeting**

About the Speakers

Day 1

Richard Anthony, Royal Tropical Institute, Amsterdam, The Netherlands
With more than 10 years research experience on tuberculosis treatment and the development and implementation of tuberculosis diagnostics Richard Anthony currently leads a group of researchers at the Royal Tropical Institute (KIT) in Amsterdam who are actively working on the diagnosis, identification, and detection of antibiotic resistance in mycobacterial species.

Tjip S van der Werf, MD PhD, pulmonologist, Professor of Medicine, Infectious Diseases Service, Dept of Internal Medicine, and Pulmonary Diseases & Tuberculosis, UMCG, University of Groningen, Groningen, The Netherlands

Khaled M. AlKattan, Professor of Surgery Dean, College of Medicine, Alfaisal University, Saudi Arabia
Professor Khaled Manae Al-Kattan, Dean College of Medicine, Alfaisal University and Consultant Thoracic Surgery and lung transplant at King Faisal Specialist Hospital & Research Centre. He was a graduate from King Saud University 1983, got his FRCS from Edinburgh with a gold medal in 1988. Appointed as an assistance professor at KSU in 1989, Associate professor in 1995 and then a full professor in 2000. He served as the director of continuous medical education at the college. He was a co-founder of both the Saudi thoracic society and Pan Arab Chest Society. He is the Middle East regent for the European Society of Thoracic Surgery. He is a member of many international societies and sits as a senior editor for the Annals of Thoracic Medicine journal. He is in the editorial board and reviewer of most of the international thoracic surgery journals. Have extensive research and publication in his field.

Marvin J. Miller, George and Winifred Clark Professor of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN, USA
Marvin J. Miller, the George and Winifred Clark Professor of Chemistry and Biochemistry at the University of Notre Dame, Notre Dame, received his undergraduate training at North Dakota State University and his Ph.D. in organic chemistry from Cornell University. After NIH sponsored postdoctoral research at UC Berkeley, he established his independent research program at Notre Dame, focusing on synthetic organic chemistry, methodology and applications to design, syntheses and studies of biologically interesting molecules. He has authored nearly 300 publications and mentored more than 150 graduate students, postdoctoral fellows and research associates. He is a cofounder of Hsiri Therapeutics.

Day 2

Michael Head, Research Associate, University College London, UK
Michael Head is a research associate at UCL. He is co-founder of the 'Research Investments in Global Health' (ResIn, www.researchinvestments.org) initiative and has run the Infectious Disease Research Network (www.idrn.org) since 2004.

Jennifer (Jaime) Landolfi, DVM, PhD, Diplomate ACVP University of Illinois, Zoological Pathology Program, US
Dr. Landolfi is a board certified veterinary pathologist (Diplomate American College of Veterinary Pathologists, 2006) with the University of Illinois Zoological Pathology Program. Dr. Landolfi has a DVM from the Virginia-Maryland Regional College of Veterinary Medicine (2003), and completed her PhD in Pathobiology at the University of Illinois, Urbana-Champaign in 2013 studying the immunopathogenesis of elephant tuberculosis. Her studies utilize molecular techniques to characterize and compare immune responses between tuberculosis positive and negative elephants in order to elucidate host contributions to disease and explain susceptibility.

Manish Gupta, Teri University and Bsl-3 Lab, School Of Biotechnology, Jawaharlal Nehru University, New Deli, India
Manish graduated in Microbiology Hons. from Calcutta University in 2006 followed by a Masters course in Biotechnology from Bangalore University, India in 2008. He started his research career as a junior research fellow in ICGEB, India and worked on decoding the Mycobacterial cell wall components. In 2011, he got enrolled to Ph.D programe in TERI University, India and have extensively worked in BSL-3 facility of Jawaharlal Nehru University. His doctoral research includes studying the parDE TA loci of M. tuberculosis. Apart from that he is still working on Mycobacteril cell wall components, their use as potential adjuvants and development of Nano & Microparticle based vaccine delivery systems against Tuberculosis.

Michel Baltas, CNRS LSPCMIB UMR 5068, CNRS, France
He was graduated (1981) from the University Paul Sabatier of Toulouse, France. Performed two doctoral works on inhibitors of lignification process in plants, (1981-1984 grant and 1984-1987 for Roussel Uclaff INC). He joined (10/1986) the "Centre Nationale de la Recherche Scientifique" (CNRS) in the current laboratory. In 1996 he performed a 14 months research work with Prof. A. Vasella at ETH, Zürich, Switzerland (glucosidases inhibitors).
During the '90s, he developed new synthetic methods of elaboration of polyols and aminoalcohols systems possessing three or more contiguous asymmetric centers possessing antibacterial or antitumoral activities. He develops methods for elaborating valuable scaffolds and, through chemical diversity, bio inspired (or not) (poly)aromatic derivatives with enhanced biological activities (tuberculosis, cancer, cardiovascular). In 2005 became Director of Research and in 2007 Director of the laboratory.

Day 3

Mohammad Wasay, MD, FRCP, FAAN, Aga Khan University, Karachi, Pakistan
The career of Dr. Wasay is of an excellent clinician, superb teacher, enthusiastic researcher and an advocate of Neurological health. He graduated from Dow Medical College and completed Internal Medicine residency from West Virginia, Neurology training from UT Southwestern, Dallas and a Neuroimaging Fellowship from State University of New York. He received Lester Bryant Award during his medicine residency for his work on "gait and leukoariosis". He received Victor Rivera Award during his Neurology residency for his work on "St Louis encephalitis".

He has been Director of Neurology Residency training program at AKU and has trained ten Neurologists (FCPS passed) under his supervision. He was awarded Distinguished Teacher Award by Pakistan Society of Neurology (2005), Outstanding Teacher Award by Aga Khan University (2005) and Teachers Recognition Award by American academy of Neurology (2006).

Sarah Lou Bailey, London School of Hygiene and Tropical Medicine, UK
Dr Sarah Lou Bailey is a Wellcome Trust Clinical Research Fellow undertaking the Clinical PhD Programme in International Health at the London School of Hygiene and Tropical Medicine. She is a physician part-way through her specialty training in Infectious Diseases. Her current research explores associations between diabetes mellitus and tuberculosis in sub-Saharan African populations and is based with Zambart, a research organisation in Lusaka.

Elena Polycarpou, Faculty of Science, Engineering and Computing Kingston University London, UK

Leander Grode, Vakzine Projekt Management GmbH, Hannover, Germany
Dr. Leander Grode joined VPM in May 2003 as project manager. Since April 2008 he has been responsible for Business Development and since 2013 he is Chief Scientific Officer at VPM.

Discussion Sessions

The discussion sessions are an opportunity for informal questions and answers. This is an ideal opportunity to get advice and opinion from experts in this area. This session is not for questions about specific talks, which can be asked after the speakers session, but for discussing either general topics or specific issues.

There are three ways you can ask questions:

1. Before the session you can *submit your question to Euroscicon staff* at the registration desk,

2. Before and during the session you can *submit a question or comments, by email*, which will be provided on the day of the event

3. During the session you can *put your hand up* and join in

Session breaks

All breaks and registrations will take place in the exhibition area where there will be lunch and refreshments.

Please try to visit all the exhibition stands during this event. Not only do our sponsors enable Euroscicon to keep the registration fees competitive, but they are also here specifically to talk to you

Lunch

- All the chicken in our lunch buffet is Halal
- We have a number of dishes that are gluten free
- We have a range of vegetarian dishes which are separated from the meat and fish dishes

Frequently asked questions about our events

Is the delegate list available?

Yes this is available to everyone who attends the event and our sponsors.
It is available in real time. To access the list please just log into your registration details or use the QR code on right of the agenda card which is provided on the day of the event.
You will not be included in this list if you have opted out and you can do this by logging into your registration details. This list will not be sold or ever give out to third parties.

Can I have the speakers slides?

We cannot give out the slides from our speaker's presentations as they are deleted immediately after each event. If you require a particular set of slides please approach the speaker. We will however have a meeting report and you will be emailed when this report is published.

Can I have a notepad?

Notepads and pens are provided in the delegate bags and at the registration desk

How can I keep up to date with Euroscicon Events?

To keep updated on our events and other Life Science News, please sign up for our newsletter at www.eurosciconnews.com

I don't want my photograph on any Euroscicon promotional material

Please let our tech person know

Is there WIFI?

Yes, please ask registration for log in details

Can I have a CPD certificate?

CPD certificates will be available in the exhibition hall after lunch

Please remember that EuroSciCon is a small independent company with no subsidies from society memberships or academic rates for venues. We try to be as reasonably priced as possible and our delegate rates are substantially lower than comparable commercial meeting organisations