

The Oxford Course



UNIVERSITY OF OXFORD



Dear Delegate,

Welcome to the 8th annual Oxford Course, “Hot Topics in Infection and Immunity in Children 2010”, and a warm welcome to Keble College and to Oxford. We think we have managed to put together a very exciting programme for this year with leading experts from around the world to update us on the latest developments in the field.

Despite the long line up of distinguished speakers, the course is really about you and we urge your active participation in all of the interactive sessions to provide your knowledge and comments about the topics under review. We hope too that you will relish your duty to extend the educational opportunity by putting questions to the speakers after each talk, in order to extract the most from them and justify their travel expenses!

In order to bring you such a comprehensive course programme, and provide maximum value for the 3 days away from work, we have left a minimum amount of time in the daily schedule and it is, therefore, vital that you attend all sessions and mealtimes promptly. The speakers have been asked to keep strictly to time.

We will be filming all 3 days of the course and the webcast will be used as a resource for the Postgraduate Diploma in PID.

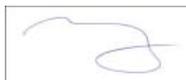
The course reception and buffet dinner is on Tuesday evening at the University Museum, across the road from Keble. If you are staying over on Wednesday night, you will find an abundant selection of restaurants and cafes in the centre of Oxford to meet your needs. There will be plenty of time for relaxation and opportunity to chat further with the Speakers in the evenings, when the College bar will be open.

Delegates staying at Keble College will be served breakfast in the dining hall. Please be prompt for all meal times as service will only take place over the first 25 minutes of each break. Residential delegates are asked to vacate their rooms and return their keys to the Porters' Lodge by 10am on the day of their departure. Effectively this means checking out after breakfast, before the first session as there will not be sufficient time once the day's talks begin. There will be provision for the safe storage of luggage on the day of your departure and a porter is on duty 24 hours a day.

We have done our best to accommodate everybody on the course according to the information we have been given. If there is anything we have over-looked, please do not hesitate to let us know via the Conference Office.

We look forward to meeting each of you during the next three days.

Andrew Pollard, Ronald de Groot, Ron Dagan, Adam Finn, Nigel Curtis, Ulrich Heininger & Sue Sheaf



Andrew J Pollard is Professor in Paediatric Infection and Immunity, Director of the Oxford Vaccine Group, and Head of the Paediatric Infection and Immunity Laboratory at the University of Oxford, and Honorary Consultant Paediatrician at the Children's Hospital (John Radcliffe), Oxford, UK. He obtained his medical degree at St Bartholomews Hospital Medical School, University of London and trained in PID in the UK and Canada. Current research activities include clinical trials of new and improved vaccines for children, development of a serogroup B meningococcal vaccine, studies of cellular and humoral immune responses to glycoconjugate vaccines, research on the genetic control of the human immune response and investigations on meningococcal host-pathogen interactions. His publications include over 150 manuscripts and books on various topics in paediatrics, infectious diseases, and high altitude medicine.



Adam Finn works at the University of Bristol and the Bristol Royal Hospital for Children. He leads the South West Regional Clinical Service for children with HIV and the Bristol paediatric immunology service. He is director of the South West Local Research network for Medicines for Children. He has an interest in the mucosal immunology of pneumococcal infection.



Ron Dagan, Professor of Pediatrics and Infectious Diseases at the Ben-Gurion University of the Negev, Beer-Sheva is Director of the PID Unit at the Department of Pediatrics, Soroka University, Beer-Sheva, Israel, a position he has held since 1987. A member of several national and international advisory committees and medical and scientific associations, he served as the President of the European Society for Paediatric Infectious Diseases and is currently the President of the World Society for Pediatric Infectious Diseases. He serves on the editorial board of several peer-reviewed journals. He is a recipient of many grants and awards. He has contributed over 400 original articles, reviews and book chapters, and has presented over 400 papers at national and international scientific meetings. His research focuses on pneumococcal vaccines, epidemiology and introduction of hepatitis A vaccines, the epidemiology of vaccine-preventable diseases, the pathology of otitis media, and prediction of its bacteriological and clinical response to various antibiotics, and the epidemiology and prevention of its enteric and invasive infections in young children.



Ronald de Groot studied medicine in Rotterdam, followed by a residency in Gynecology/Obstetrics and Surgery as a preparation for a 2½ year period as Senior Medical Officer in Zonkwa Hospital, Nigeria. He subsequently did his pediatric training in Rotterdam, became chief resident followed by a research fellowship in pid in the University of Washington, Seattle. In 1988 he returned to the Erasmus University in Rotterdam and became head of the training program and Professor in PID and Immunology. He was nominated as head of the Department of Paediatrics of the University Medical Centre Nijmegen. His research activities cover several themes including the study of respiratory tract infections, the molecular pathogenesis of infections by *S. pneumoniae*, *Neisseria meningitidis* and HIV and clinical and translational research in children with immunodeficiencies.



Nigel Curtis is Professor of Paediatric Infectious Diseases at the University of Melbourne and Head of Infectious Diseases at the Royal Children's Hospital Melbourne. He is also Leader of the Microbiology & Infectious Diseases Research Group at the Murdoch Children's Research Institute. He trained in Cambridge, London and Vancouver, and spent a recent sabbatical period in Cape Town, South Africa. He has a wide range of clinical and laboratory research interests focusing on the immune response to infectious diseases. Current research projects include studies of the immune response to BCG vaccine, the immunodiagnosis of tuberculosis, and host-pathogen interactions in staphylococcal and streptococcal disease including DNA microarray-based studies of gene expression in acute rheumatic fever.



Ulrich Heininger has been in charge of the Division of PID and Vaccinology at the University Children's Hospital in Basel, Switzerland, since 1998. Previously, he was working in the field of PID at the University of Erlangen, Germany. He has conducted several vaccine studies as study coordinator and principal investigator in the recent past. His clinical work is in the fields of general paediatrics and infectious diseases. He is also one of the founding members of "The Brighton Collaboration", an international collaboration of volunteers aiming at standardization of adverse events following immunization. In Switzerland, he is one of the 7 scientists running the INFOVAC service, a nationwide information network for vaccine related questions raised by physicians in private practice. He has been appointed to the German and Swiss National Immunization Recommendation Boards in 2001 and 2004, respectively; currently he is president of ESPID. He serves on the editorial board of several journals, including Archives of Disease in Childhood.





Supported by the European Society for Paediatric Infectious Diseases

In association with the University of Oxford Department of Paediatrics and
British Paediatric Allergy, Immunology and Infection Group

Supported by unrestricted educational grants from the following sponsors:



IIC 2009 began with a punt race on the River Cherwell for the speakers



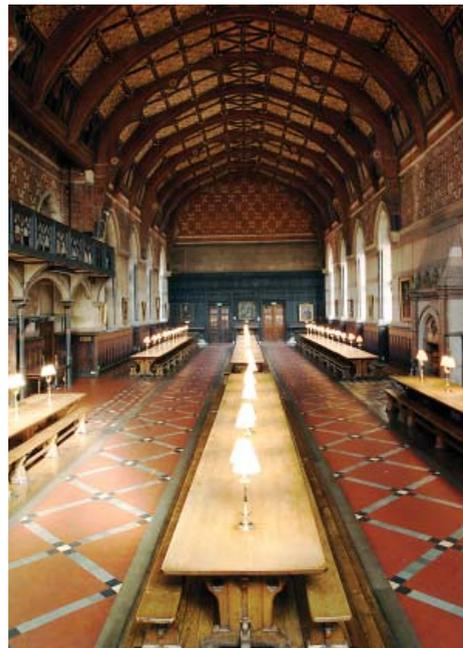


Keble College opened in 1870 and was the first new college to be established in Oxford for nearly two centuries. The college was founded in memory of John Keble (1792-1866), a founding member of the so-called 'Tractarian' movement which sought to recover the catholic heritage of the Church of England. Funding for the college was sought from Tractarian sympathisers, including the benefactor of the chapel, William Gibbs, whose family's fortune was based on Peruvian bird droppings, a valuable fertiliser! It was the wish of the founders in 1870 to extend access to the University more widely and the college has always had a reputation for being friendly and inclusive.

Keble's distinctive redbrick architecture is the work of William Butterfield, a leading proponent of the modern Gothic style, and the college chapel is generally regarded as a masterpiece. But it is perhaps the grandeur of scale and the architectural unity of the original college

buildings as a whole that are most striking. The equally bold buildings by Ahrends, Burton and Koralek, opened in 1977 have supplemented Butterfield's architecture. The latest addition to the college is the Sloane Robinson Building, which opened in October 2002.

Although originally intended for 'gentleman wishing to live economically', the college began to admit women undergraduates from 1979 and elected its first female Warden in 1994. Originally dominated by those intending a career in the Church, it now admits students for the full range of subjects and sends them forth to just about every conceivable career. Keble now has 440 undergraduates and 160 graduate students and is among Oxford's largest colleges. Its students come from a great variety of social and educational



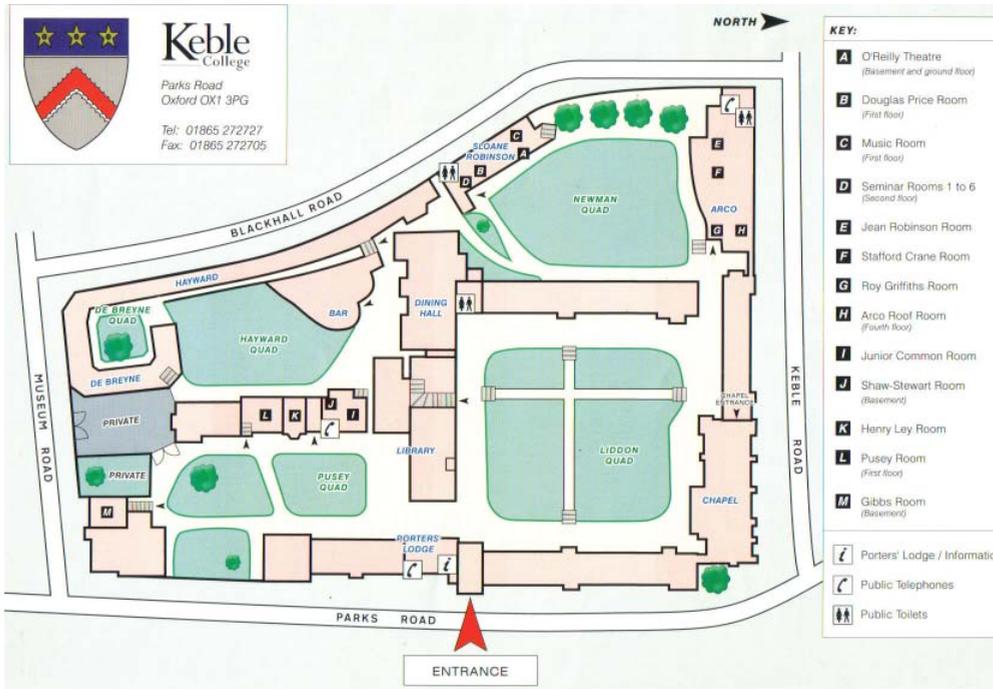
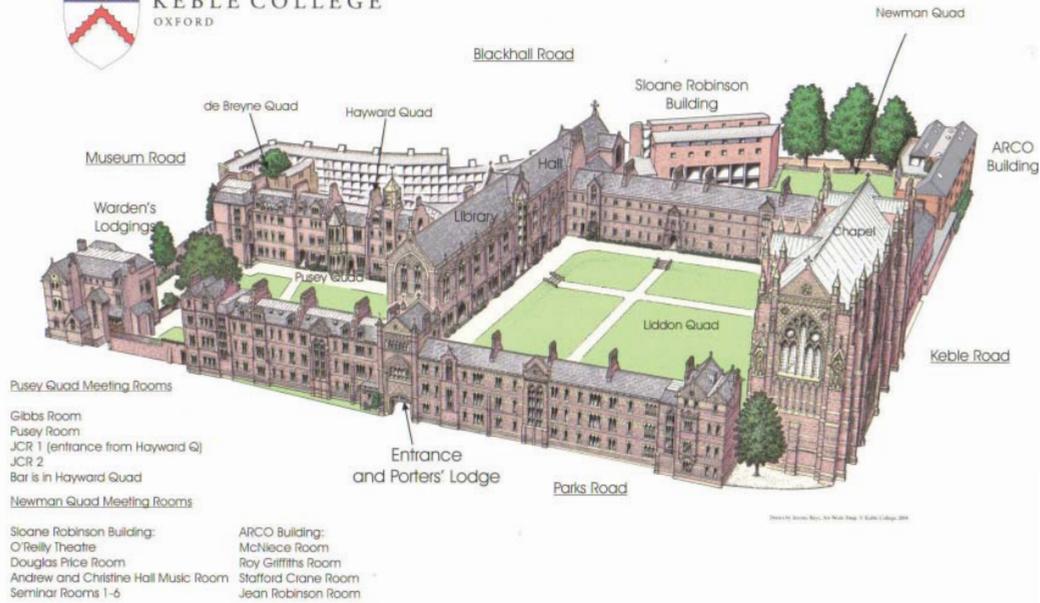
backgrounds and from diverse parts of the UK, Europe and further overseas. It is noted for both its academic and sporting successes and its music, notably the Chapel Choir which is among some of the best in Oxford.



The Sloane Robinson Building and the Arco Building have both won awards for being very environmentally friendly. Neither building has any heating or air-conditioning as both are climate controlled. Heat exchangers using water circulating in pipes embedded in the foundations draw winter warmth and summer cooling from the water table. Room temperatures are controlled by water circulating in the floor/ceiling slabs. The plumbing system is similar to that found in ships and aircraft in order to reduce water consumption.



KEBLE COLLEGE
OXFORD



Monday 28 June 2010

8.00-9.00	Breakfast for Keble residential delegates Registration and coffee	
9.15-9.30	Welcome from Course Organisers Andrew Pollard Adam Finn Ronald De Groot Ron Dagan Nigel Curtis	
9.30-10.00	How fear and fantasy have fuelled epidemics	Philip Alcabes USA
10.05-10.35	Rotavirus vaccine and rehydration: Job done?	Roger Glass USA
10.40-11.10	Bacterial meningitis in Africa; horror, hope and hype	Brian Greenwood UK
11.15-11.45	Coffee	
11.50-12.20	A needle in a haystack: meningitis in Europe	Andrew J Pollard UK
12.25-12.55	Neonatal meningitis: can we do better?	Paul T Heath UK
13.00-14.00	Lunch	
14.00-14.30	Models in infectious disease – are they only for philosophers and mathematicians	Marc Lipsitch USA
14.35-15.35	ID Case Rounds 1	Simon Dobson Canada
15.35-16.05	Diagnosis and management of Dengue: prospects for improvement	Bridget Wills Vietnam
16.10-16.40	Tea	
16.40-17.10	Approaches to avoiding a lifelong sentence to HAART in paediatric HIV infection	Phil Goulder UK
17.15-17.45	How short is long enough for treatment of bone and joint infection	Heikki Peltola Finland
17.50-18.20	The evidence for chronic HBC and HCV management in children	Sanjay Bansal UK
18.30-19.30	Reception for PID Diploma Students and Tutors	
19.30	Dinner at Keble College College bar open until 11pm	

Tuesday 29th June 2010

7.30-8.15	Breakfast for Keble residential delegates	
8.15-9.00	Debate	Andrew Pollard & Adam Finn UK
9.00-9.30	Norovirus and other causes of viral gastroenteritis in children: do they matter?	Roger Glass USA
9.35-10.05	New insights into pathogenesis, diagnosis, and management of mycoplasma pneumoniae infections in children	Ken Waites USA
10.10-10.40	Zoonotic infections	Thijs Kuiken The Netherlands
10.45-11.15	Coffee	
11.15-11.45	Early life immunity	Chris Wilson USA
11.50-12.20	Avoiding antibiotics for otitis media: have we gone too far?	David Mant UK
12.25-12.55	<i>Kingella kingae</i> infections	Pablo Yagupsky Israel
13.00-14.00	Lunch	
14.00-15.00	Infectious Diseases Case Rounds 2	Nigel Curtis Australia
15.00-15.30	H5N1 and H1N1: origins of a pandemic and insights to the future	Wendy Barclay UK
15.35-16.05	Management of shunt-related infection	Simon Dobson Canada
16.10-16.40	Tea	
16.40-17.10	Chikungunya now and tomorrow?	Ronald de Groot The Netherlands
17.15-17.45	Atypical mycobacterial infection: just chop it out?	Julia Clark UK
18.00-19.00	Course Organisers meeting	
19.15	Reception and Buffet Dinner at University Museum	

Wednesday 30 June 2010

8.20-8.25	Opening remarks Andrew Pollard Adam Finn Ronald De Groot Ron Dagan Nigel Curtis	
8.25-8.55	Pediatric Brucellosis: an (almost) forgotten disease	Pablo Yagupsky Israel
9.00-9.30	Should I think of Q fever?	Corine Delsing Netherlands
9.35-10.05	An approach to rickettsioses: diagnosis of last resort	Manolis Galanakis Greece
10.10-10.40	Coffee	
10.40-11.10	Healthcare Design and HCAI: Is there a link?	Nigel Klein UK
11.15-11.45	Is there any evidence behind infection control?	Lisa Saiman USA
11.50-12.20	Clinical implications of resistance in Gram negative bacteria	David Paterson Australia
12.25-12.55	When and how to manage EBV infection	Hermione Lyall UK
13.00-14.00	Lunch	
14.00-15.00	Infectious Disease Case Rounds 3	Adam Finn UK
15.00-15.30	What do we know about how to treat TB	Ben Marais South Africa
15.35-16.20	To BCG or not to BCG?	Nigel Curtis Australia
16.20	Scoring of afternoon session followed by concluding remarks and close	

Philip Alcabes is the author of *DREAD: HOW FEAR AND FANTASY HAVE FUELED EPIDEMICS FROM THE BLACK DEATH TO AVIAN FLU* (PublicAffairs, 2009). Trained as an infectious-disease epidemiologist, Alcabes studied epidemic contagion, especially AIDS and tuberculosis, for two decades. Drawing on this experience, he now investigates the history of disease control and the ethics of public-health policy making. Alcabes is Professor of Public Health at Hunter College of the City University of New York.



Wendy Barclay graduated with a degree in Natural Sciences from Cambridge University in 1985. After postgraduate study at the Common Cold Unit in Salisbury, under the supervision of Dr David Tyrrell FRS, she joined Prof Jeffrey Almond at the University of Reading and learned the molecular virology skills, including the genetic engineering of small RNA viruses, that would form the technological basis of her research career. In 1992 Wendy moved to the Mount Sinai Medical Center in New York where Prof Peter Palese had just made a break-through that facilitated the recovery of recombinant influenza virus from cloned cDNA. In these exciting times Wendy was the first to adapt the technique for the study of type B influenza viruses. She returned to the University of Reading in 1995 and worked on influenza viruses there for 12 years. In May 2007 she moved with her group to take up a Chair in Influenza Virology at Imperial College. Wendy currently heads a team of around 10 scientists funded by the MRC, Wellcome Trust and BBSRC to investigate the interaction between influenza viruses and their hosts. She is particularly interested in the mechanism by which viruses can cross from animal sources into humans to cause new pandemics.

Julia Clark is a consultant in Paediatric Infectious Disease in Newcastle Hospitals NHS Trust. She works as part of a team delivering tertiary care for children with infectious diseases and immunodeficiencies, BMT for primary immune deficiency and paediatric allergy services. She has specific clinical and research interests involving infection in the immunocompromised child, non-tuberculous mycobacteria and TB, epidemiology and aetiology of pneumonia and management of bone and joint infections. She has established a pollen desensitisation programme for severe hayfever in children. Dr Clark is highly involved in training and education in Paediatric Infectious Disease, developing innovative written teaching materials and co-ordinating national and international programmes.





Corine Delsing studied medicine in Nijmegen and after her residency in internal medicine in Enschede, she returned to Nijmegen in 2005 for a fellowship in infectious diseases. She is now working as a staff member Internal Medicine and Infectious Diseases at the Radboud University Medical Centre in Nijmegen. Her current research activities include the genetic susceptibility to Candida infections and immune response in (chronic) Q fever at the Nijmegen Institute for Infection, Inflammation and Immunity (N4i). Since the start of the Q fever epidemic in the Netherlands in 2007 she specialized in the treatment of chronic and complicated Coxiella infections and Q Fever during pregnancy. Recently, she and her colleagues

started the N4i Clinical Centre for Q fever to meet the growing need of multidisciplinary care for patients with chronic and complicated Q fever infections.

Simon Dobson is a Clinical Associate Professor at the University of British Columbia and an attending physician in Pediatric Infectious Diseases at BC's Children's Hospital, Vancouver. He trained in Pediatrics in the United Kingdom and in Pediatric Infectious Diseases at Baylor College of Medicine, Houston. His current research interests are clinical vaccine trials, especially in the pre-teen and adolescent age group, and vaccine adverse events. He works at the Vaccine Evaluation Center, BC's Children's Hospital and is a member of the National Advisory Committee of Immunization.



Emmanouil Galanakis is an Associate Professor of Paediatrics in the Faculty of Medicine, University of Crete, Greece and Director of the Paediatric Infectious Diseases Unit at Heraklion University Hospital. He works on human host's response to infection and on Infectious Diseases epidemiology in Crete. He obtained his medical degree at Athens University Medical School, trained in Paediatrics at Ioannina University Hospital and specialized in Paediatric Infectious Diseases in the UK and the USA.

Roger Glass is the current Director of the Fogarty International Center and Associate Director for International Research at the National Institutes of Health. Previously he has held several positions at the Centers for Disease Control and Prevention, most recently as the Chief of the Viral Gastroenteritis Unit at the National Center for Infectious Diseases. Dr. Glass's research interests are in the prevention of gastroenteritis from rotaviruses and noroviruses through the application of novel scientific research. He has maintained field studies in India, Bangladesh, Brazil, Mexico, Israel, Russia, Vietnam, China and elsewhere. His research has been targeted toward epidemiologic studies to anticipate the introduction of rotavirus vaccines. He is fluent and often lectures in five languages.



Philip Goulder studied Zoology at Oxford University then Medicine at Cambridge University. He trained in Paediatrics in UK, North America and Australia, before beginning his investigative career in 1993. His principal research interest is CD8+ T-cell-mediated immune control of adult and paediatric HIV infection, and immune escape by the virus. The focus of this work is the epidemic in Durban, South Africa, where he has worked since 1998. His laboratory and clinical research work are based at the Peter Medawar Building for Pathogen Research in Oxford and at the HIV Pathogenesis Programme at the University of KwaZulu-Natal. He is a Professor of Immunology at Oxford University, and Honorary Consultant Paediatrician at the John Radcliffe Hospital.



Brian Greenwood qualified in medicine at the University of Cambridge, UK in 1962. Following house-officer appointments in London, he spent 3 years in Western Nigeria as a medical registrar and research fellow at University College Hospital, Ibadan. After training in clinical immunology in the UK, he returned to Nigeria in 1970, this time to help establish a new medical school at Ahmadu Bello University, Zaria where he developed his research interests in malaria and meningococcal disease whilst continuing to teach and practice clinical medicine. In 1980, he moved to the UK MRC Labs in The Gambia which he directed for the next 15 years. In The Gambia, he helped to establish a multi-disciplinary research programme which

focused on some of the most important infectious diseases prevalent in there and neighbouring countries such as malaria, pneumonia, measles, meningitis, hepatitis and HIV2. In 1996, he was appointed to the staff of the London School of Hygiene and Tropical Medicine where he is now Manson Professor of Clinical Tropical Medicine. From 2001-09 he directed the Gates Malaria Partnership which supported a programme of research and capacity development in many countries in Africa directed at improving treatment and prevention of malaria. In 2008, he became director of a new capacity development initiative supported by the Wellcome Trust and the Bill and Melinda Gates Foundation, the Malaria Capacity Development Consortium (MCDC), which operates a post-graduate malaria training programme in five countries in sub-Saharan Africa, and he also directs a new consortium (MenAfriCar) established with support from the Wellcome Trust and the Bill and Melinda Gates Foundation to study meningococcal carriage in Africa.

Paul Heath is a Reader / Honorary Consultant in Paediatric Infectious Diseases at St George's, University of London and Vaccine Institute in London. His training in paediatrics and infectious diseases was at the Royal Children's Hospital, Melbourne, the John Radcliffe Hospital, Oxford and St George's Hospital, London. His particular research interests are in the epidemiology of vaccine preventable diseases, in clinical vaccine trials, particularly in at-risk groups, and in perinatal infections.





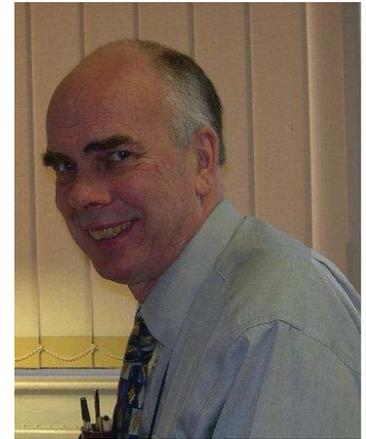
Thijs Kuiken is Professor of Comparative Pathology at the Erasmus Medical Centre in Rotterdam, the Netherlands. Recent achievements of his group include demonstration of the attachment pattern of influenza viruses to the human respiratory tract, identification of highly pathogenic avian influenza virus (H5N1) as a cause of fatal disease in domestic cats, identification of SARS coronavirus as the primary cause of SARS, and characterization of distemper outbreaks in harbour and Caspian seals. Currently, his focus is the pathogenesis of respiratory virus infection and the characterization of emerging viral diseases at the wildlife-human interface.

Marc Lipsitch is Professor of Epidemiology and Director of the Center for Communicable Disease Dynamics at Harvard School of Public Health. His research focuses on the impact of public health and medical interventions (eg anti-infective treatment and vaccination) on pathogen populations and the results for patterns of human disease; he approaches these subjects using mathematical modeling, classical epidemiology, and experimental approaches in the lab. He has authored over 100 peer-reviewed articles on topics including pandemic preparedness, assessment of epidemics (SARS, influenza) in real time and historically, antimicrobial resistance, population genetics of pathogens and hosts, and immunity to *Streptococcus pneumoniae*. He completed a BA in philosophy at Yale, a DPhil in Zoology at Oxford, and a postdoctoral fellowship at Emory University.



Hermione Lyall As an infectious diseases paediatrician, I am particularly interested in viral infections and their interactions with their hosts. Prevention of transmission of HIV from mother to infant, and the management of HIV infected children and young people is my main area of interest. I am a member of the steering committee of PENTA (Paediatric European Network for the Treatment of AIDS) and participate in international treatment trials for HIV infected children. I am the chair of training for PENTA, and lead the **Tr@inforPedHIV** course (www.pentatrials.org/).

David Mant FRCGP is head of the Department of Primary Health Care, University of Oxford, and also works as a general practitioner in the NHS. His personal research focuses on the prevention and early diagnosis of common diseases in primary care, particularly childhood infection, cardiovascular disease and stroke. He is also responsible for the clinical teaching of Oxford University medical students in general practice.



Ben J Marais is a Pediatric Infectious Diseases Specialist in the Department of Paediatrics and Child Health, Stellenbosch University, Tygerberg Children's Hospital, Cape Town, South Africa. His main research interest is paediatric tuberculosis; epidemiology, natural history of disease, clinical disease spectrum, diagnosis and management. He is Chairman of the International Union against Tuberculosis and Lung Disease (IUATLD) Child TB working group.

David Paterson is Professor of Medicine at the University of Queensland Centre for Clinical Research in Brisbane, Australia. He is an Infectious Diseases Physician at the Royal Brisbane and Women's Hospital and a Consultant Microbiologist at Pathology Queensland. He is also adjunct faculty at the University of Pittsburgh School of Medicine, where he worked for ten years. The author of 200 peer-reviewed publications, Professor Paterson's research interest pertains to antibiotic resistant Gram negative bacilli.





Heikki Peltola is a qualified paediatrician, paediatric infectious disease specialist, and general surgeon. Currently, he is the Professor of Infectious Diseases at the University of Helsinki, and Head of infectious diseases at the Hospital for Children and Adolescents. The main research areas have comprised the treatment and prophylaxis of severe bacterial and viral infections, meningitis, pneumonia, osteoarticular infections, measles, mumps and rubella being the first to be named. The total number of scientific papers exceeds 250, most in peer-reviewed US and European journals. Research and other academic activities have brought him to more than 100 countries all over the world. Recently, a large treatment study on bacterial meningitis was completed in Angola, the aim being to improve the prognosis with means available also for the poor children. Music is Heikki's great love, and he has concertized with various singing groups in three continents. His discography comprises more than 10 LP's or CD's.

Lisa Saiman is a Professor of Clinical Pediatrics at Columbia University in New York City and is an Attending Professor of Pediatrics at the Morgan Stanley Children's Hospital of NewYork-Presbyterian, Columbia University Medical Center where she serves as the hospital epidemiologist. Dr. Saiman's major research interests are Cystic Fibrosis and Hospital Epidemiology and Infection Control, particularly in the Neonatal ICU, as well as Antimicrobial Resistance.



Ken B. Waites, M.D. is Professor of Pathology and Microbiology at the University of Alabama at Birmingham, Birmingham, Alabama, USA. Dr. Waites is a 1981 graduate of the University of Alabama School of Medicine and he completed postgraduate residency and fellowship training in Pediatrics, Clinical Pathology and Medical Microbiology at this same institution. He is Director of the University of Alabama at Birmingham Diagnostic Mycoplasma Laboratory, a Fellow of the American Academy of Microbiology, Fellow of the Infectious Diseases Society of America and Past Chairman of the International Organization for Mycoplasma. Dr. Waites' primary research interests include molecular epidemiology, laboratory detection, and antimicrobial chemotherapy of human mycoplasmal and ureaplasma infections.

Bridget Wills is a paediatrician based at the Oxford University Clinical Research Unit in Ho Chi Minh City, Vietnam, leading a programme of clinical research on dengue. She also holds an honorary consultant/senior lecturer position in paediatric infectious diseases at St Mary's Hospital/Imperial College. The current dengue pandemic represents a major challenge to health systems in many tropical countries. The programme of research focuses on improving early diagnosis of dengue, identifying risk factors for progression, and improving management of severe disease, in parallel with studies to elucidate the pathogenesis of the major complications.



Chris Wilson, interim director of the Global Health Discovery program, leads a team that targets fundamental scientific and technological advances in global health that could lead to new ways to prevent, treat, and diagnose disease. Dr Wilson is a pediatrician and immunologist. He joined the faculty at the University of Washington in 1979 in the Infectious Diseases Division of the Department of Pediatrics and later served as head of the Division of Infectious Diseases, Immunology and Rheumatology. In 1989, he became one of the founding faculty members in the new Dept of Immunology, and served as Chairman of the Dept of Immunology and head of the graduate program in immunology from 1999-2009. He has also served on a number of national advisory panels, including the Institute of Medicine Vaccine Safety Review Committee and the National Advisory Council on Child Health and Human Development, and he co-chaired the NIAID US Immunodeficiency Network Pilot Grant Review Committee. He is an elected fellow of the American Association for the Advancement of Science.



Pablo Yagupsky is a pediatrician and clinical microbiologist, and the current Director of the Ben-Gurion University Medical School, in southern Israel. His main research areas are *Kingella kingae* infections, human brucellosis, infections in day care centers, and medical education.



UNIVERSITY OF OXFORD
PART-TIME POSTGRADUATE PROGRAMME



PAEDIATRIC INFECTIOUS DISEASES PROGRAMME



POSTGRADUATE DIPLOMA IN PAEDIATRIC INFECTIOUS DISEASES

The Programme draws on world-class research and teaching in paediatric infectious diseases and offers a unique opportunity to gain an understanding of the principles that underpin paediatric infection, the ways in which those principles have developed, and to translate this understanding into good clinical and research practice. The Postgraduate Diploma also places the practice of paediatric infectious diseases in the broader context of applied sciences, such as pathogenesis, population biology and epidemiology.



“It concentrates on paediatric and non-tropical infectious diseases, hence is amazingly useful even for normal general paediatricians”

“Very well structured course. Interesting and constructive discussions with the tutors and the other students”

The Postgraduate Diploma in Paediatric Infectious Diseases is a part-time programme taken over two years. It comprises a blend of tutored online modules and residential short courses. This is an advanced programme and is suited to those in full-time employment who wish to study in parallel.

There are three main teaching elements to the Programme:

- An online course in Paediatric Infectious Diseases, which runs for two terms each year
- Two (one each year) three-day residential courses in Oxford: Infection and Immunity in Children
- A PENTA-ESPID training course in paediatric HIV medicine, comprising of an online component and a three-day residential course in Rome.

The online topics covered are:

- Infection syndromes
- Therapeutics and infection control
- Epidemiology, immunity and immunization
- Invasive bacterial infections
- Important viral infections and prions
- Imported and tropical diseases and mycobacterial infection
- Neonatal infection and STIs
- The immuno-compromised host
- Fungal Infection

For further information, please contact:
Paediatric Infectious Diseases Programme,
University of Oxford

Department for Continuing Education
CPD Centre, Littlegate House
16/17 St Ebbes Street, Oxford
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Tel: +44 (0) 1865 286946

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Email: pid@conted.ox.ac.uk

Website: www.conted.ox.ac.uk/cpd/pid

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“The programme is well planned and covers the Paeds ID curriculum thoroughly. Studying on the Paeds ID Postgraduate Diploma course is a challenge worth taking”





Join ESPID

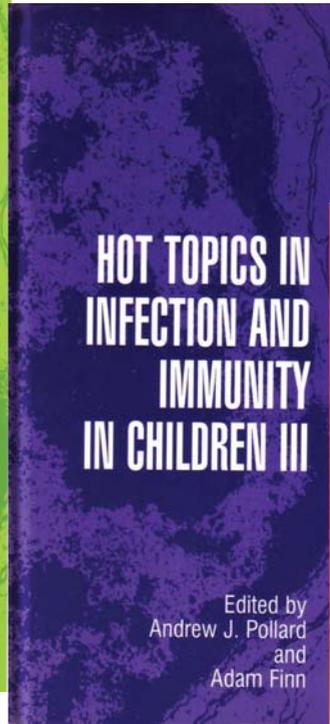
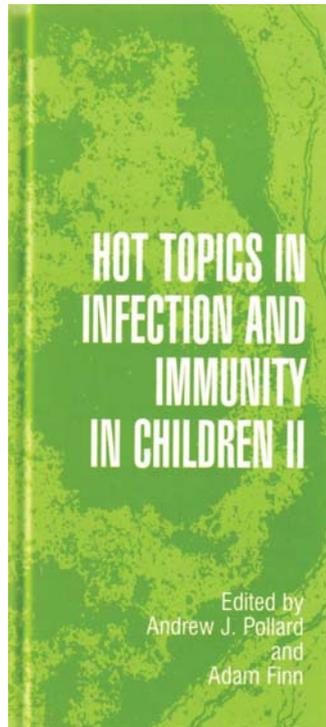
Anyone interested in PID field can become ESPID member. Applications must be done on-line and are subject to acceptance by the ESPID board under the terms of [Article 3 of the Association](#). New members' applications are normally processed within 1 month. Membership is entered per calendar year.

ESPID members are entitled for the following benefits:

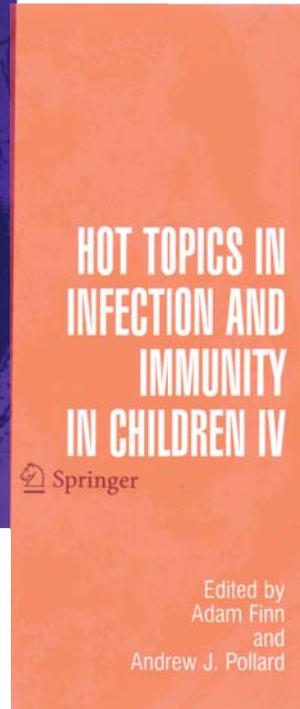
- Free annual subscription to PIDJ
- Reduced registration fees for ESPID Annual meetings
- ESPID fellowship and awards
- Facilitated participation in a number of prestigious scientific courses

Applications can be made by completing and submitting

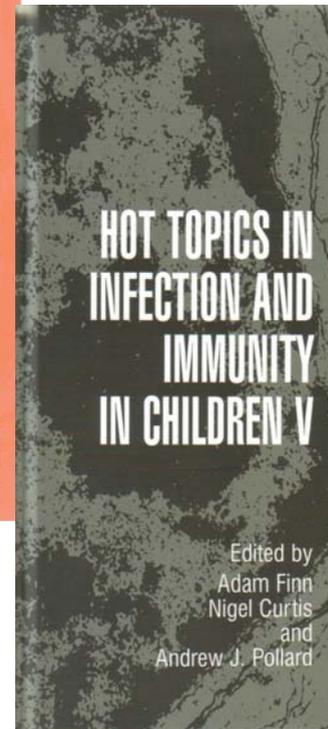
the online form at www.espid.org



ADVANCES IN
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ADVANCES IN
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Volume 609



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Volume 634

All delegates will receive a free copy of the proceedings of IIC 2010, posted direct to them from the publisher, which is due to be published in the summer of 2011.

These books are based on the course and are aimed at encouraging excellence in clinical practice and raising the profile of paediatric infectious diseases, with a particular eye on the needs of trainees in the specialty.

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