

The Espid - Oxford Course



UNIVERSITY OF OXFORD



Dear Delegate,

Welcome to the 9th annual Oxford Course, "Hot Topics in Infection and Immunity in Children 2011", and a warm welcome to St Catherine's 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 Friday evening at the University Museum, Parks Road (there is a map in your pack). If you are staying over on Saturday 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 bar in the JCR will be open.

Delegates staying in 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, Adam Finn, Nigel Curtis, Simon Dobson, Ulrich Heininger & Sue Sheaf





Andrew J Pollard is Professor of 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.



Adam Finn is Head of the Academic Unit of Child Health at Bristol Medical School, School of Clinical Sciences, University of Bristol and an honorary consultant in paediatric infectious diseases and immunology at Bristol Royal Hospital for Children. He is director of the South West Medicines for Children Research Network and heads the Bristol Childrens Vaccine Centre. His main research interests include mucosal immunology relating to bacterial vaccines, in particular pneumococcus and clinical trials of vaccines and medicines in children.



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.



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 Dept 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.



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.



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 ID. 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. Currently he is president of ESPID.



Supported by the European Society for Paediatric Infectious Diseases
In association with the University of Oxford Department of Paediatrics
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British Paediatric Allergy, Immunology and Infection Group

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IIC 2010 Conference Dinner
at
Oxford University Museum of Natural History





St. Catherine's College was founded in 1962 by Alan Bullock (Lord Bullock), although it has its origins in a non-collegiate Society which was established in 1868 as a means for the less well-off to study at Oxford. The College's motto - Nova et Vetera (the new and the old) - sums up its unique quality among Oxford colleges.

While taking much from the best traditions of Oxford, it succeeds in having a much less formal and more relaxed and friendly atmosphere than many other colleges. Designed by Danish architect Arne Jacobsen, the College has a traditional layout in quadrangle style with gardens. Its situation and architecture give a feeling of space and light and peace; it backs onto Merton's playing fields and the University Parks.

The story of how St. Catherine's College, the only Oxford undergraduate college to be built since 1945, came into being, is a remarkable one. The achievement was inspired by its Founding Master, twentieth century historian Lord Bullock, who has seen St. Catherine's become, over the 43 years of its existence, one of the largest Oxford colleges.

From the outset, St. Catherine's has been characterised by innovation and a progressive outlook. The origins of the College lie in a unique initiative by which the University sought to open itself to 'a much larger and poorer class'. For centuries one of the fundamental requirements for entry to Oxford had been residence in a college or hall. The considerable expense of living within a college was, however, a bar to many students who were otherwise entirely able to meet the academic requirements. So in 1867, breaking with centuries of tradition, the University passed a statute by which the category of 'unattached student' was created and a Delegacy set up to oversee them.

These students could become members of the University without having to be members of a college, thus allowing them to live in less expensive lodgings in the city. Access was thus opened to a much wider section of society and numbers grew rapidly; 330 unattached students had been admitted by 1872. It is a testament to the success of this experiment that no less than three of its students went on to become Nobel prize-winning scientists. In 1884 the term 'unattached student' was abandoned in favour of 'non-collegiate student'. However, the students themselves were anything but non-collegiate and were determined to experience the richness of an Oxford education to the full. They formed themselves into a social club named the St Catharine's (sic) Club and it was under this name that they participated in inter-collegiate activities and sports. Unhappy at being defined by a negative term, they campaigned for a change in name, and in 1931 the Non-Collegiate Society became St. Catherine's Society. (The change in the spelling of Catherine came about in 1919, partly to make a distinction from St Catharine's College, Cambridge.)

The passage of the Education Act in 1944 coupled with the post-war introduction of grants, guaranteeing financial support for any student accepted by the



University, removed much of the original purpose of the Society. In 1952, the year in which his book 'Hitler: A Study in Tyranny' was published, Alan Bullock was appointed Censor (Head) of St. Catherine's Society. He could see that if it was to continue to develop and expand, the Society would have to change and so in 1956 the Delegates took the momentous decision to transform the Society into a college. The University was persuaded to give its consent, and Alan Bullock began to look for a site and funding.

As befitted its pioneering origins, the new college was to be distinctive from the outset. One highly innovative decision was to admit equal numbers of science and arts students each year - recognising, ahead of many others, the vital role and fast-advancing world of science and technology. Much effort was spent in promoting the College to schools of all different types to attract the widest possible range of applicants. Even the buildings were to proclaim a new attitude, entirely in keeping with the spirit of the 1960s and looking to modernism rather than the past. The appointment of the Danish architect Arne Jacobsen aroused controversy and was seen by many, mistakenly, as a tacit condemnation of the British profession. However, his striking modernist design, characterised by strong geometry, has become one of the few post-war buildings in the country to be given grade 1 listed status and has matured to create a sophisticated and attractive environment.

When the College opened to its first students in October 1962 only a few buildings were ready for occupation and none of them were complete. The band of pioneers who endured the privations of that first term quickly became known as the 'Dirty Thirty', for obvious reasons! However, by the end of the academic year 150 undergraduates had taken up residence. The College grew steadily. In 1974 it became one of the first five colleges in Oxford to become mixed and by 1978 was the largest college within the University. While maintaining the conventional pattern of an Oxford college, the progressive outlook of St. Catherine's has resulted in the establishment of an institution which successfully marries tradition and innovation.



The club that became St. Catherine's Society took its name from its original meeting place, St Catharine's Hall, a house in Broad Street now forming part of Hertford College. However the connection with the saint is perhaps entirely appropriate for a college founded on an ethos of high academic standards combined with a doggedly independent streak.

Catherine was one of many women carried off from Alexandria by the Emperor Maxentius in 305. Maxentius brought fifty philosophers to convince her that her belief in Christianity was foolish but Catherine had studied in depth, and although aged only eighteen, confounded the arguments of the philosophers and ended up converting them. Maxentius had the philosophers put to death and Catherine imprisoned. However, when the Emperor's wife was also converted after visiting Catherine in prison, the Emperor decided that she had to die. A wheel set with razors was constructed and Catherine was tied to its rim, but instead of cutting her to pieces, the wheel broke and some of its splinters and razors injured the onlookers. Finally, Catherine was beheaded.

Programme
Thursday 14 July 2011

8.00-9.00	Breakfast for St Catherine's residential delegates	Registration and coffee
9.15-9.30	Welcome from Course Organisers Andrew Pollard, Adam Finn, Ronald De Groot, Nigel Curtis, Simon Dobson and Ulrich Heininger	
9.30-10.00	Democracy, sex, intelligence and parasites	Randy Thornhill, USA
10.05-10.35	Vaccines are safe, aren't they?	Neil Halsey, USA
10.40-11.10	Why should I care about worms?	Peter Hotez, USA
11.15-11.45	Coffee	
11.50-12.20	Management of severe malaria in developing countries	Kath Maitland, Kenya
12.25-12.55	Meningitis vaccine for Africa: How did we do?	Marc La Force, USA
13.00-14.00	Lunch	
14.00-15.00	ID Case Rounds 1	Nigel Curtis, Australia
15.00-15.30	Fungal infections in immunocompromised children	Adilia Warris, The Netherlands
15.35-16.05	Why should I care about the pox of chickens?	Ulrich Heininger, Switzerland
16.10-16.40	Tea	
16.40-17.10	Clostridium difficile: not a problem in childhood?	Saul Faust, UK
17.15-17.45	Diarrhoea in children	James Nataro, USA
17.50-18.20	Risk communication	Noni MacDonald, Canada
18.30-19.30	Reception for PID Diploma Students and Tutors	
19.30	Dinner at St Catherine's College JCR bar open until 11 pm	

Programme
Friday 15 July 2011

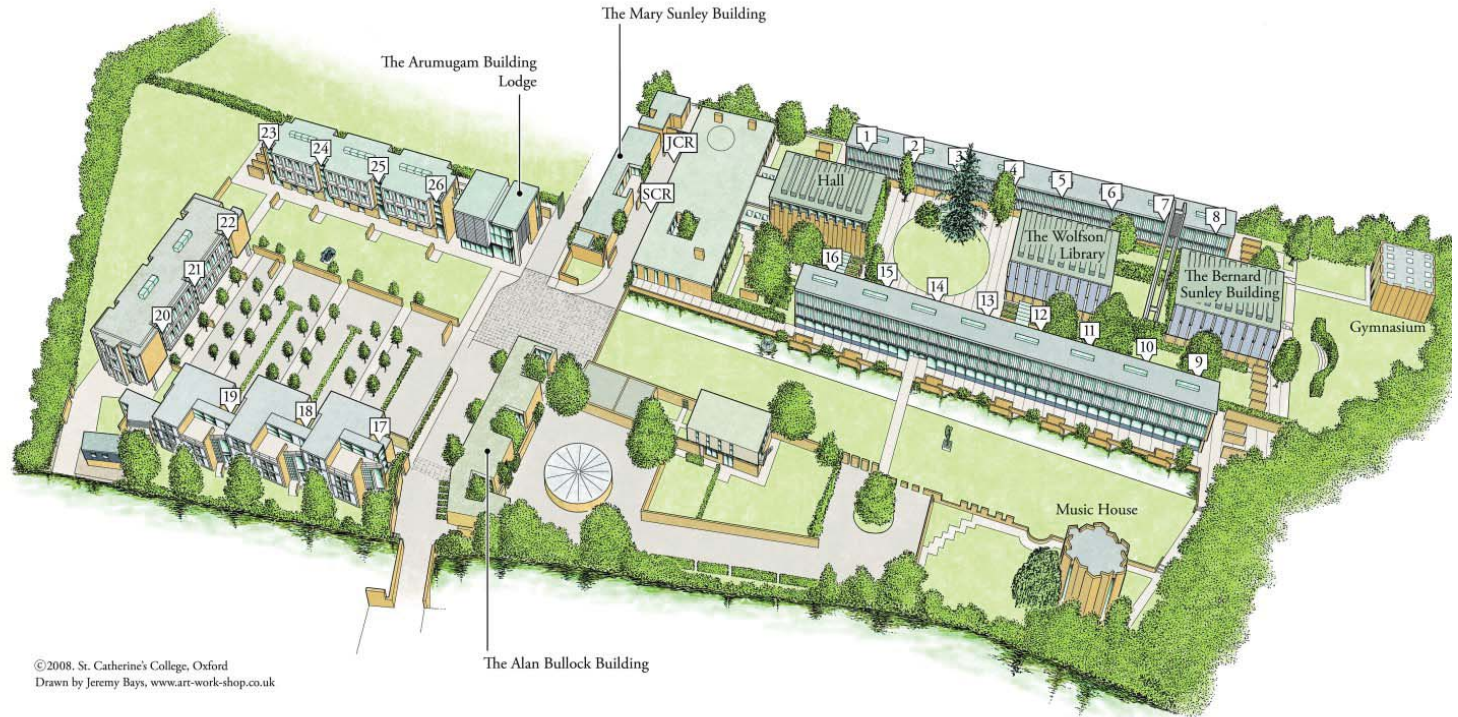
7.30-8.15	Breakfast for St Catherine's residential delegates	
8.15-9.00	Debate	Andrew Pollard & Adam Finn UK
9.00-9.30	CRMO - advances in diagnosis and treatment	Athimalaipet Ramanan, UK
9.35-10.05	The what and why of GAS in indigenous Australians: what does it mean for the rest of us?	Jonathan Carapetis, Australia
10.10-10.40	What vaccines are there and is there a future using them to control the neglected tropical diseases	Peter Hotez, USA
10.45-11.15	Coffee	
11.15-11.45	Recognition and treatment of chlamydial infections from birth to adolescence	Toni Darville, USA
11.50-12.20	Treating resistant bacteria in children	Shai Ashkenazi, Israel
12.25-12.55	Encephalitis	Dominic Kelly, UK
13.00-14.00	Lunch	
14.00-15.00	Infectious Diseases Case Rounds 2	Andrew Pollard, UK
15.00-15.30	The evidence behind prophylaxis and treatment of wound infection after surgery	Simon Dobson, Canada
15.35-16.05	The good, the bad, and the biologics	David Isaacs, Australia
16.10-16.40	Tea	
16.40-17.10	The "Gee-Whizz" in GWAS: what genomics will do for PID	Mike Levin, UK
17.15-17.45	It was the cat scratch	Kenneth Zangwill, USA
19.15	Reception and Buffet Dinner at University Museum	

Programme
Saturday 16 July 2011

7.30-8.10	Breakfast for St Catherine's residential delegates	
8.20-8.25	Opening remarks Course Organisers	
8.25-9.30	Hypothetical	Chaired by Jonathan Carapetis
9.35-10.05	When to think of immunodeficiency	Andrew Cant, UK
10.10-10.40	Coffee	
10.40-11.10	Infections by <i>Madurella mycetomatis</i> : a neglected disease	Alex van Belkum, The Netherlands
11.15-11.45	Elucidation and clinical role of novel viral RTI's	Ronald de Groot, The Netherlands
11.50-12.20	Pathogenesis of urinary tract infection	Catharina Svanborg, Sweden
12.25-12.55	Antibiotics for prophylaxis and treatment of UTI in early childhood	Jonathan Carapetis, Australia
13.00-14.00	Lunch	
14.00-15.00	Infectious Disease Case Rounds 3	Adam Finn, UK
15.00-15.30	How to get and get rid of gonorrhoea	Noni MacDonald, Canada
15.35-16.20	To LP or not to LP – the art and science of CSF interpretation in children	Nigel Curtis, Australia
16.20	Scoring of afternoon session followed by concluding remarks and close	
16.30	Tea and depart	



ST. CATHERINE'S COLLEGE OXFORD



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Directions to Oxford city centre:

Exit the College and walk to the end of Manor Road. Turn left onto St Cross Road. Take the 2nd street on the right, Holywell Street and continue walking until you reach the crossroads. Continue straight along Broad Street, where you will find Blackwells book shop and the tourist information office. Further along brings you into the heart of the city.

Police Station	St Aldates	Tel: 01865 841148
Post Office	St Aldates	Tel: 01865 202863
Chemist	Boots, Cornmarket Street	Tel: 01865 247461
Hospital A&E	John Radcliffe Hospital	Tel: 01865 741166 NHS Direct - Tel: 0845 4647
Dental emergencies	01865 337267 / 0800 113 824	Out of hours: 0845 345 8995



Shai Ashkenazi completed his residency in pediatrics in Israel and a fellowship in pediatric infectious diseases in Houston, Texas, USA. He is currently Chairman of the Department of Pediatrics A at Schneider Children's Medical Center; Professor of Pediatrics and Incumbent of the Lea and Arie Pickel Chair for Pediatric Research at the Sackler Faculty of Medicine, Tel Aviv University; Head of the Research Laboratory for Pediatric Infectious Disease at the Felsenstein Medical Research Center, Chairman of the Israeli Scientific Council, Chair of the Education Committee of the European Society for Paediatric Infectious Diseases, member of the Scientific Committee of the World Society for Pediatric Infectious Diseases, and member of the National Council for Child Health.

Andrew J Cant. After training in internal medicine, infectious diseases, paediatrics and neonatology at St George's and Guy's Hospitals in London, Professor Cant held a MRC fellowship in immunology before completing his training in paediatric immunology and infectious diseases at Great Ormond Street, London and L'Hopital Necker, Paris. Appointed as a Consultant in Newcastle 20 years ago, he has set up 1 of 2 nationally designated referral centres for the treatment of children with severe immunological disorders, and a regional paediatric infectious diseases / immunology service with a network of clinics across Northern England, Scotland and Ireland supported by a team of 7 specialists. His unit has successfully led programmes developing HSCT and umbilical stem cell transplantation for CD40 Ligand deficiency, chronic granulomatous disease, as well as autoimmune conditions such as JIA, IPEX and ALPS. For 14 years he has been the Director for children's medical services in Newcastle, developing the specialist and general paediatric services. He has led the development of the new 250 bed children's hospital in Newcastle which opened in 2010. For 5 years he led the UK national paediatric infectious diseases group and for 6 years chaired their training committee. From 2000 to 2004 he was chairman of the ESID bone marrow transplant working party and was previously chairman of the ESID educational working party. He has also served on the ESPID education and training committees since 1999 and was ESPID President from 2006 to 2009.



Jonathan Carapetis is Director of the Menzies School of Health Research in Darwin. He is a paediatrician, infectious diseases and public health physician, with particular interests in rheumatic fever, vaccines and vaccine preventable diseases, and health of children in Indigenous communities and developing countries. Professor Carapetis is Chairman of the World Heart Federation Scientific Council on Rheumatic Fever and Rheumatic Heart. As Director of Australia's pre-eminent Indigenous health research institute, he is leading new approaches to research and training to tackle some of the big problems in Indigenous health, including education and housing.

Toni Darville is the Chief of Infectious Diseases at the Children's Hospital of Pittsburgh and a Professor of Pediatrics and Immunology at the University of Pittsburgh Medical Center. She has been an active clinician and educator of Pediatric Infectious Diseases for over eighteen years. She is the Director of the UPMC Sexually Transmitted Infections Cooperative Research Center funded by the National Institutes of Health. The UPMC Sexually Transmitted Infections Cooperative Research Center conducts research focusing on prevention of female reproductive tract sequelae caused by sexually transmitted pathogens and endogenous microbes. Dr. Darville is recognized for her research efforts that have enhanced understanding of pathogenic mechanisms induced by *Chlamydia trachomatis* and development of rational approaches to vaccine design.



Saul N Faust is Senior Lecturer in Paediatric Infectious Diseases & Immunology and Director of the Wellcome Trust Clinical Research Facility at the University of Southampton. As an MRC Clinical Training Fellow in Paediatric Intensive Care & Infectious Diseases and then Clinical Lecturer at Imperial College London, he completed his PhD on the pathophysiology of coagulation abnormalities in meningococcal sepsis, work that led directly to clinical trials in paediatric intensive care. Current projects include work to bridge the clinical-laboratory interface in paediatric infectious diseases, immunology and respiratory medicine (including biofilm-related clinical diseases), developing local and national collaborative clinical trials in paediatric infectious diseases, and conducting paediatric and adult vaccine trials as part of the UK academic paediatric vaccine group. He is currently Chair of the UK NIHR Medicines for Children Clinical Speciality Group for Allergy, ID and Immunity.



Neal A. Halsey is a Professor in the Department of International Health at the Bloomberg School of Public Health and in the Department of Pediatrics in the School of Medicine at Johns Hopkins University. He completed undergraduate and medical training at the University of Wisconsin, pediatrics and infectious diseases training at the University of Colorado, and he served in the Epidemic Intelligence Service at the Centers for Disease Control and Prevention in Atlanta. After 5 years as a faculty member at Tulane University he has been at Johns Hopkins University since 1985. Dr. Halsey has authored more than 200 peer reviewed publications on the prevention and treatment of infectious diseases through vaccination, and participated in the development of more than 100 guidelines for the use of vaccines while serving on advisory groups for the WHO Expanded Programme on Immunization, the Advisory Committee for Immunization Practices (ACIP) for CDC, and the American Academy of Pediatrics Committee on Infectious Diseases (The Red Book Committee). Dr Halsey has focused his research in recent years on vaccine safety. He is the Principal Investigator of the Clinical Immunization Safety Assessment program and the Director of the Institute for Vaccine Safety at the Bloomberg School of Public Health.



Peter Hotez is Professor of Pediatrics and Head of the Section of Pediatric Tropical Medicine at Texas Children's Hospital and Baylor College of Medicine, and founding Dean of the National School of Tropical Medicine at Baylor College of Medicine. He is the President of Sabin Vaccine Institute and Texas Children's Center for Vaccine Development in Houston, Texas. Prof. Hotez obtained his MD and PhD at the Weil Cornell Medical College and Rockefeller University in New York and his pediatric training at Massachusetts General Hospital. In 2008 he was elected to membership in the Institute of Medicine of the National Academies. His research interest is in the area of vaccine development for neglected tropical diseases.



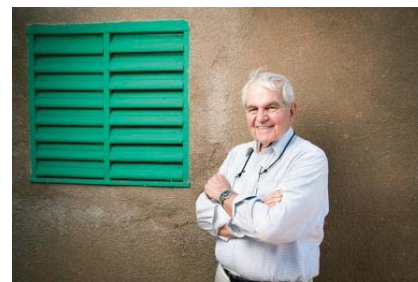
David Isaacs was born in London and has an identical twin brother, Stephen, who is a child psychiatrist. They went to different schools and once swapped schools for a day. His mother was also a child psychiatrist and his father, Alick, discovered interferon in 1957. David trained in paediatric infectious diseases in Oxford. He moved to Sydney in 1989 to head a new Department of Immunology and Infectious Diseases at the Royal Alexandra Hospital for Children, but was the only member of the Department. He is Clinical Professor in Paediatric Infectious Diseases at the Children's Hospital at Westmead and the University of Sydney. His research is mainly in neonatal infections, respiratory viral infections and immunisation. In 2001-2, he did a post-graduate diploma in bioethics at Monash University and has been involved in teaching and writing about bioethics ever since. He loves writing and has published over 250 papers and 10 books on paediatric infectious diseases, neonatal infections, immunisations and ethics. He has also published 25 humorous articles. He is Editor-in-Chief of the Journal of Paediatrics and Child Health. David is married and has four grown-up children. He coached one son's soccer team and managed another son's cricket team for several years. He still plays violin in a local orchestra and loves theatre, art and music.





Dominic Kelly is an NIHR Oxford Biomedical Research Centre Consultant in Paediatrics and Vaccinology. In addition to undertaking clinical work in general paediatrics and paediatric infectious diseases at the Children's Hospital in Oxford he has a research interest in vaccine immunology.

Marc LaForce has a distinguished academic career and has published widely in the area of clinical infectious diseases, epidemiology, and vaccinology. Since 2001 he is PATH director of the Meningitis Vaccine Project (MVP)—a partnership between the World Health Organization and the international nonprofit PATH. MVP aims to eliminate meningitis as a public health problem in sub-Saharan Africa. The vaccine developed through the MVP partnership, MenAfriVac™, was introduced in Burkina Faso, Mali and Niger in 2010, and will be rolled out in other African countries over the next few years.



Michael Levin is Professor of Paediatrics and International Child Health at Imperial College London. He trained in medicine in South Africa and in paediatrics in the UK before specialising in infectious diseases. His research has focused on life threatening infections of childhood. He currently heads an international EU funded consortium studying novel diagnostic methods for tuberculosis in Africa working with colleagues in Malawi and South Africa. He recently led an ESPID funded consortium studying the genetic basis of meningococcal disease, and is a co-investigator on the MRC funded Phase III trial of fluids as supportive treatment for critical illness in African children ("FEAST").

Noni MacDonald is a Professor of Paediatrics and of Computer Science at Dalhousie University with a clinical appointment in Paediatric Infectious Diseases at the IWK Health Centre in Halifax Canada. She is head of the Health Policy and Translation Group of the Canadian Centre for Vaccinology. She has published over 270 papers primarily in infectious diseases, served on a number of editorial boards. She is Editor in Chief of Paediatrics and Child Health, one of the most read Canadian speciality journals and Section Editor for Population and Public Health for CMAJ— one of the top 10 general medical journals based on Impact factor. She is a former Dean of Medicine at Dalhousie University, an elected fellow of Canadian Academy of Health Sciences and serves on many professional organization, federal government and international advisory committees. Dr. MacDonald has long been recognized in Canada, as an advocate for children and youth health and as a leader in paediatric infectious disease.



Kathryn Maitland is Professor of Paediatric Tropical Infectious Diseases and Honorary Consultant in Paediatric Infectious Disease Imperial College London and Honorary Fellow at the MRC Clinical trials Unit, London. Over the last 11 years I have been based fulltime in East Africa where I lead a research group whose major research portfolio includes severe malaria, bacterial sepsis and severe malnutrition. My work focuses upon understanding the pathophysiology of severe malaria and severe malnutrition and includes clinical trials of emergency interventions to improve outcome. My research group has recently completed the largest trial of critically children ever undertaken in Africa (FEAST trial: <http://www.feast-trial.org>)-examining fluid resuscitation which is likely to lead to major changes in health policy in children with severe illness in sub-Saharan Africa.



James P. Nataro is Professor and Chair of the Department of Pediatrics as of September 1, 2010. He received his MD from the University of Maryland School of Medicine in Baltimore, Maryland and his PhD from the University of Maryland in Microbiology and Immunology. He received his MBA from the University of Baltimore in 2007. Dr. Nataro's subspecialty is in the area of Pediatric Infectious Diseases. He has many grants supporting his research in the areas of enteroaggregative Escherichia coli, live attenuated bacterial vaccines against plague, developing vaccines against diarrhea caused by Escherichia coli and shigella, and diarrheal disease in infants and young children in developing countries. He has written well over 100 articles that have appeared in peer-reviewed journals as well as numerous book chapters and reviews. He often travels to third world countries to conduct his research.

A V Ramanan is a Paediatric Rheumatologist at Bristol Royal Hospital for Children and Royal National Hospital for Rheumatic Diseases, Bath, UK. After postgraduate training in London and Manchester, he completed a two year Fellowship in Paediatric Rheumatology at the Hospital for Sick Children, Toronto, Canada. Dr Ramanan's major research interests include genetic aspects of juvenile idiopathic arthritis (JIA), juvenile dermatomyositis (JDM), biologics for uveitis in children with JIA and macrophage activation syndrome (MAS). He has just been awarded a substantial grant to do a "RCT of adalimumab in JIA associated uveitis". Dr. Ramanan has published more than 50 papers in peer reviewed journals and authored chapters in textbooks. He is Associate Editor for the Archives of Diseases in Childhood and Associate Editor of the musculoskeletal section of the National Library of Health. He is also a scientific committee member of the MCRN/arc Clinical Studies Group for Paediatric Rheumatology.



Dr. Ramanan is a National Training Advisor for RCPC for training in paediatric rheumatology, a Medical Advisor for the National Rheumatoid Arthritis Society and a trustee of the National Ankylosing Spondylitis Society. Dr. Ramanan was awarded the British Society of Rheumatology's Innovation in Clinical Practice award in 2010.



Catharina Svanborg is Professor of Clinical Immunology at Lund University, Head, Department of Microbiology, Immunology and Glycobiology, Institute for Laboratory Medicine, Lund University and chief physician Lund University Hospital, Lund, Sweden. Since 2000 she has been Advisor to the Swedish "National Board of Health and Welfare". Catharina has more than 400 papers and reviews on two main subjects: microbial pathogenesis and innate immunity with urinary tract infections as a model, and HAMLET-a tumoricidal complex of partially unfolded alpha-lactalbumin and oleic acid.



Randy Thornhill is a Distinguished Professor at the University of New Mexico. He is an evolutionary biologist especially interested in human behavior and psychology. Recently, he has helped develop and test the parasite-stress theory of human culture, which proposes that many aspects of human activity reflect adaptations to assess, manage and avoid infectious disease. This research provides new perspectives on regional variation in economic production, moral systems, intelligence, governmental organization and other domains of human affairs.

Alex van Belkum is Professor of Molecular Microbiology, Erasmus MC, Department of Medical Microbiology and Infectious Diseases. He is also R & D Director at La Balme Microbiology Unit and Global Director, Microbiology Research. Since his bioMerieux appointment in 2010, his research interests have shifted more profoundly into the direction of technology- and test-innovation in the field of diagnostic microbiology.



Adilia Warris is the head of the division of paediatric infectious diseases & immunology within the department of Paediatrics at the Radboud University Nijmegen Medical Centre. She is involved in many activities as patient care (primary immunodeficiencies, HIV/AIDS, opportunistic infections, hospital-acquired infections), education and training, and research. Topics of her special interests are invasive fungal infections, respiratory tract infections, both with a focus on epidemiology, host response, diagnostics, and biomarkers, and poverty related infections.

Ken Zangwill is currently a Professor of Pediatrics at the Geffen School of Medicine at UCLA and based at Harbor-UCLA Medical Center in Los Angeles. He was trained at the Children's Hospital of Pittsburgh (residency), Harbor-UCLA (ID Fellowship), and also spent two years as an Epidemic Intelligence Service Officer at CDC. He serves as a pediatrician, pediatric infectious disease clinician, Co-Director of Infection Prevention and Control and conducts research on disease epidemiology, phase II-IV vaccine evaluations, and ground-up development of new technologies for rapid diagnosis and antimicrobial susceptibility testing. He is a member of the Executive Committee of the Section on Infectious Diseases of the American Academy of Pediatrics and advises or otherwise actively serves for the AAP, CDC, and WHO among others, in the areas of his research. The last time Dr. Zangwill spoke at this conference, his 9 month-old daughter got enterovirus resulting in a London emergency room visit at 1 AM. He left her at home this time...





The British Paediatric Allergy, Immunology and Infectious Diseases Group is an affiliated speciality group of the Royal College of Paediatrics and Child Health. Members of the BPAIIG are actively involved in the clinical care of children as well as in research and development of new methods of investigation and treatment of allergic, immune and infectious conditions. Research presentations by trainees are an important part of the Spring and Autumn meetings. Encouraging trainees to proceed in this field is a crucial function of the group.

Establishment of the annual ESPID-Oxford Course, Infection and Immunity in Children in 2003 under the auspices of BPAIIG and the European Society of Paediatric Infectious Diseases (ESPID), has complemented the BPAIIG rolling training programme. BPAIIG members are also involved with the specialist training of young doctors, via the Allergy, Immunology, and Infectious Diseases CSAC of the RCPCH. For further information and to become a member visit our website www.bpaiig.org



Photos from IIC 2010 at Keble College

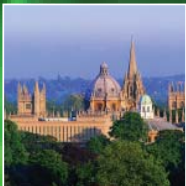


POSTGRADUATE DIPLOMA IN PAEDIATRIC INFECTIOUS DISEASES

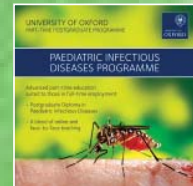
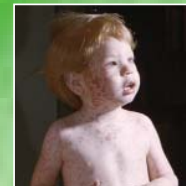
A two-year, part-time programme taught via a blend of online and residential components. The Programme forms a valuable part of doctors' postgraduate medical training. It has been designed to direct students through the syllabus required in the EU for clinical training in the subspecialty, and is also appropriate for those outside the EU. It will appeal to trainees in paediatrics, specialist trainees in paediatric infectious diseases and clinical research fellows.

"The programme is well planned and covers the curriculum thoroughly. Studying on the Postgraduate Diploma is a challenge worth taking" [Year 2 student]

The Programme draws on world-class research and teaching in paediatric infectious diseases. It offers a unique opportunity to gain an understanding of principles that underpin infection and the ways in which those principles have developed, and to translate this understanding into good clinical and research practice.



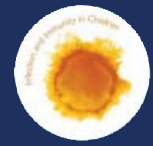
For further information:
Web: www.conted.ox.ac.uk/pid
Tel: +44 (0)1865 286946
Email: pid@conted.ox.ac.uk



Organised in association with ESPID



This programme is supported by ESPID, PENTA and the IIC Course: Oxford



The Programme is the result of a close collaboration between the University of Oxford Department of Paediatrics and Department for Continuing Education. It is led by Andrew Pollard, Professor of Paediatric Infection and Immunity at the University of Oxford, and Honorary Consultant Paediatrician at the Children's Hospital, Oxford.

There are three main teaching elements to the Programme:

- Online topics taught through an interactive virtual learning environment
- Two (one per year) three-day residential course in Oxford: Infection and Immunity in Children
- The PENTA-ESPID training course in paediatric HIV medicine, comprised of an online component and a three-day residential course in Rome

"Very well structured course. Interesting and constructive discussion with the tutors and other students"
[Year 1 student]

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 more part-time health-related and other courses, visit www.conted.ox.ac.uk

www.conted.ox.ac.uk/pid



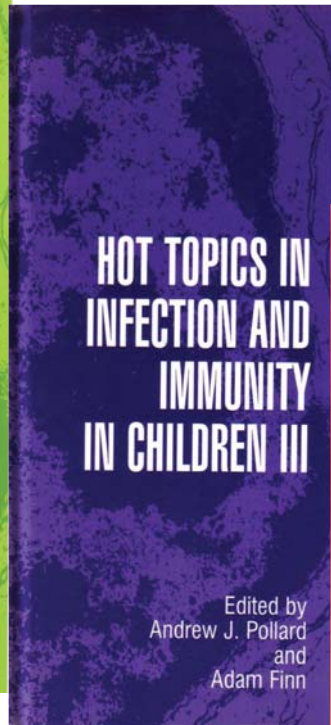
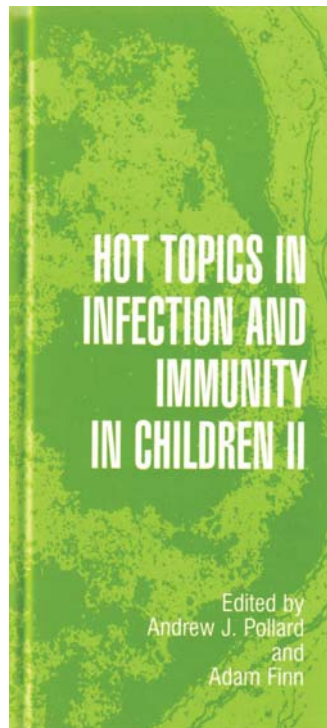
Join ESPID

Anyone interested in the field of PID can become an 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 to 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

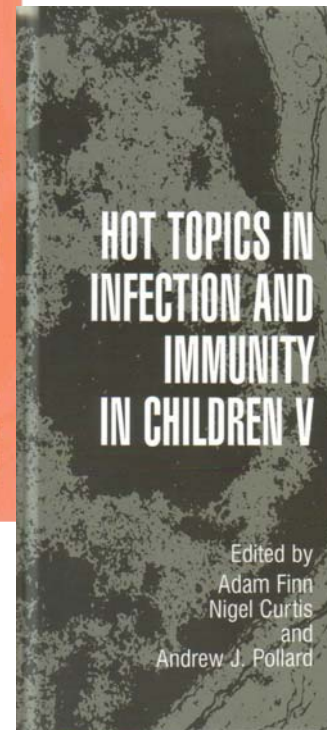
Applications can be made by completing and submitting the online form at www.espid.org



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AND BIOLOGY
Volume 634

All delegates will receive a free copy of the proceedings of IIC 2011, posted direct to them from the publisher, which is due to be published in the summer of 2012.

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 speciality.

You will find in these books a wealth of state of the art information about various aspects of paediatric infectious diseases, written by leading authorities in the field. If you wish to purchase a copy of the proceedings of previous IIC courses, the easiest way is direct from Springer Online at www.springer.com or contact service-ny@springer.com

Hot Topics in Infection and Immunity in Children

25-27 June
2012

Keble College
Oxford

The logo for the Infection and Immunity in Children (iic) conference, featuring the lowercase letters 'iic' in a stylized, cursive orange font on a white background.

Trainees

Visit our website for further information on how to apply for a trainee bursary - application for bursary opens on 1 November 2011 and closes on 1 February 2012

www.oxfordiic.org



email: iic@paediatrics.ox.ac.uk

phone: +44 (0)1865 857466

Delegates
on-line registration
for iic 2012 opens
1 November 2011