

Keble College  
Oxford

23-25  
June  
2008

Organised by

Andrew J Pollard  
Adam Finn  
Ron Dagan  
Ronald de Groot  
Nigel Curtis  
Andrew Cant

Infection and Immunity in Children



The Oxford Course



Supported by  
European Society  
for Paediatric  
Infectious Diseases



In association with  
University of Oxford  
Department of Paediatrics  
and  
British Paediatric Infection  
Immunity & Allergy Group



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# UNIVERSITY OF OXFORD

Dear Delegate,

Welcome to the 6<sup>th</sup> annual Oxford Course, "Hot Topics in Infection and Immunity in Children 2008", 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 available to view on our website soon after the event.

The course banquet dinner is on Tuesday evening, with The Jazz Menagerie performing live in the dining hall, both before and during the meal. 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 at the times shown in the programme. 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 your day of 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, Andrew Cant & Sue Sheaf

## Monday 23<sup>rd</sup> June 2008

8.00-9.00	Breakfast for Keble residential delegates	
8.00-9.30	Registration and coffee	
9.45-10.00	Welcome	Andrew Pollard Adam Finn Andrew Cant Ronald De Groot Ron Dagan Nigel Curtis
10.00-10.30	Polio	David M Oshinsky USA
10.35-11.05	The end of cervical cancer?	Ian Frazer Australia
11.10-11.40	Coffee	
11.40-12.10	Prophylaxis and prevention of Group B streptococcal disease	Paul Heath UK
12.15-12.45	Barriers to vaccine prevention of Group B Streptococcal disease	Carol baker USA
12.50-14.00	EVS practice and scoring of morning sessions followed by Lunch	
14.00-15.00	Infectious Disease Case Rounds 1	Andrew J Pollard and Hermione Lyall UK
15.00-15.30	IPT, ISR, bednets and vaccines – can malaria transmission be interrupted?	David Schellenberg UK
15.35-16.05	Child mortality in the developing world	Kim Mulholland UK
16.10-16.40	Tea	
16.40-17.10	Interaction of Salmonella with host cells: encounters of the closest kind	Jorge Galan USA
17.15-17.45	Kawasaki Disease – Kawasaki Disease - How I discovered it	Tomisaku Kawasaki Japan
17.50-18.20	At last the cause of Kawasaki Disease is clear	Jane Burns USA
19.30	Dinner	

## Tuesday 24<sup>th</sup> June 2008

7.15-7.45	Breakfast for Keble residential delegates	
7.45-8.30	Debate	Andrew Pollard & Adam Finn UK
8.30-9.00	Malaria in pregnancy and the newborn	Stephen Rogerson Australia
9.05-9.35	Epidemiology and management of non-typhoidal Salmonella	Elizabeth Molyneux Malawi
9.40-10.10	Campylobacter in ducks and human health	Martin Maiden UK
10.15-10.45	Coffee	
10.45-11.15	Infectious hazards from pets and domestic animals	Simon Dobson Canada
11.20-11.50	Varicella vaccination, what's the point?	Anne Gershon USA
11.55-12.25	Infectious presentations of primary immunodeficiency	Cathy Cale UK
12.30-13.00	Infection after bone marrow transplantation	Andrew Cant UK

## Tuesday 24<sup>th</sup> June 2008 (continued)

13.05-14.10	Lunch followed by EVS scoring of the morning speakers	
14.10-15.10	Infectious Diseases Case Rounds 2	Nigel Curtis Australia
15.10-15.40	Antibiotics, bacteria and resistance	Keith English USA
15.45-16.15	Antibiotic prescribing in children	Mike Sharland UK
16.20-16.50	Tea	
16.50-17.20	Current status of treatment of hepatitis B	Deirdre Kelly UK
17.25-17.55	Strategies for global prevention of hepatitis B	Pierre van Damme Belgium
19.15	Reception and Banquet Dinner	

## Wednesday 25<sup>th</sup> June 2008

7.30-8.20	Breakfast for Keble residential delegates	
8.20-8.25	Opening remarks	Andrew Pollard Adam Finn Andrew Cant Ronald De Groot Ron Dagan Nigel Curtis
8.25-8.55	Epidemiology and prevention of neonatal candidiasis: Fluconazole for all neonates?	David Kaufman USA
9.00-9.30	Treatment of neonatal fungal infections	Danny Benjamin USA
9.35-10.05	The retina in paediatric malaria	Malcolm Molyneux Malawi
10.10-10.40	Coffee	
10.40-11.10	How to prevent perinatal transmission of HIV	Hermione Lyall UK
11.15-11.45	Moraxella, who cares?	Christoph Aebi Switzerland
11.50-12.20	Pertussis – case management and prevention strategies	Kathy Edwards USA
12.25-12.55	Biomarkers and paediatric infection diseases	Ronald de Groot The Netherlands
13.00-14.10	EVS scoring of the morning session followed by lunch	
14.10-15.10	Infectious Disease Case Rounds 3	Adam Finn UK
15.10-15.40	Give everyone smallpox vaccine, just in case?	Kathy Edwards USA
15.45-16.30	Interactive session: Everything you ever wanted to know about antibiotics but didn't dare ask (or answer)	Nigel Curtis Australia
16.30	Scoring of afternoon session followed by concluding remarks and close	



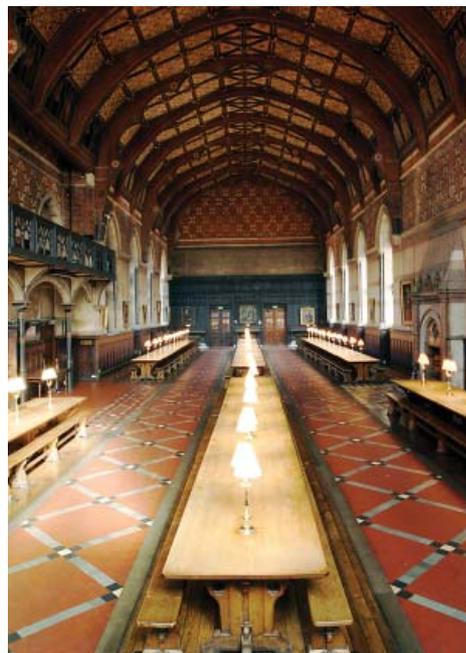
**Keble College** opened in 1870 and was the first new college to be established in Oxford for nearly two centuries. The college was founded in memory of John Keble (1792-1866), a founding member of the so-called 'Tractarian' movement which sought to recover the catholic heritage of the Church of England. 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

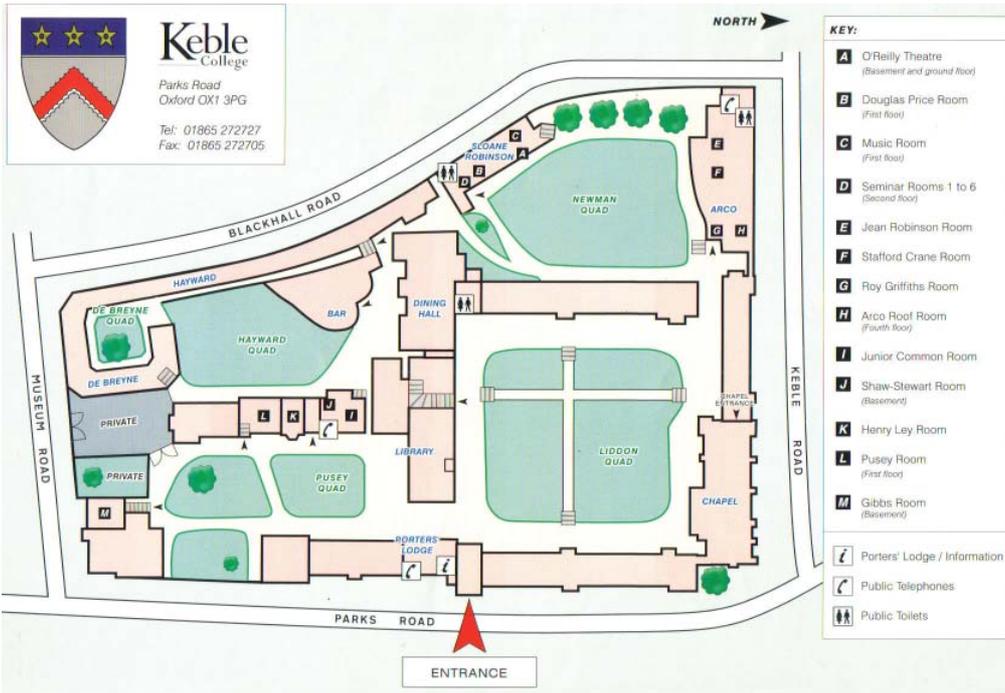
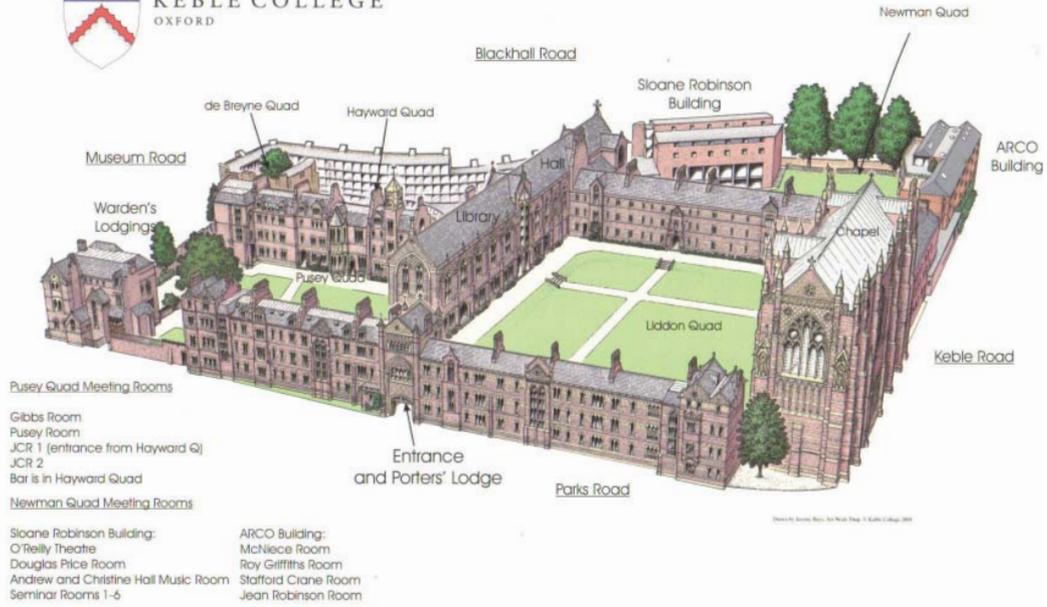
academic and sporting successes and its music, notably the Chapel Choir which is among some of the best in Oxford.

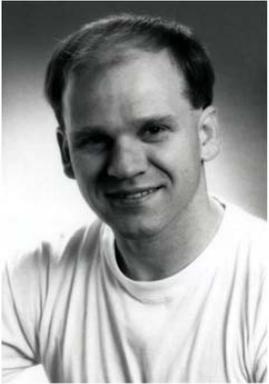


The Sloane Robinson Building and the Arco Building have both won awards for being very environmentally friendly. Neither building has any heating or air-conditioning as both are climate controlled. Heat exchangers using water circulating in pipes embedded in the foundations draw winter warmth and summer 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





Christoph Aebi is Associated Professor of Pediatrics and Infectious Diseases at the University of Bern, Switzerland, and Head of the Pediatric Infectious Disease Division at the Children's Hospital in Bern. He received his training in Pediatric Infectious Diseases at the University of Texas Southwestern Medical Center in Dallas, TX. His main research focuses are the pathogenesis of middle ear infections, epidemiology of viral respiratory tract infections, and infections in cancer patients. He is a Board member of ESPID since 2007 and ... he cares about *Moraxella catarrhalis*.

Carol J. Baker is professor of pediatrics, molecular virology and microbiology at Baylor College of Medicine in Houston, Texas. She also is Texas Children's Hospital Foundation Chair in Pediatric Infectious Diseases and Executive Director of the Texas Children's

Center for Vaccine Awareness and Research. She was first to describe early and late-onset group B streptococcal disease in infants and has focused her career on their prevention.



Danny Benjamin obtained his medical degree and completed a residency in pediatrics at the University of Virginia. He completed a fellowship in pediatric infectious disease at Duke University, obtained a MPH at the University of North Carolina and accepted a faculty appointment at Duke University in 2001. He completed a PhD in Epidemiology at the UNC Chapel Hill in 2003. He is the author of over 90 peer-reviewed publications, most of which are in neonatal infectious disease. He has been, or currently is, the protocol chair for PK, safety, and efficacy trials for 7 different antifungal agents in neonates and young infants. He is the chair of the Candidiasis Committee of the NICHD-sponsored Neonatal Research Network, and he is the PI of the North Carolina Collaborative site of the NICHD-sponsored Pediatric Pharmacology Research Unit.



Jane C. Burns received her M.D. degree at the University of North Carolina and completed her pediatric residency and Chief Residency at the University of Colorado School of Medicine in Denver. In 1983, Dr. Burns moved to Harvard Medical School and the Boston Children's Hospital for additional training in pediatric infectious diseases and molecular virology. She joined the faculty at Harvard in 1986 and in 1990 moved to San Diego, California, where she joined the faculty at the University of California as an Assistant Professor. Dr. Burns moved up through the ranks and was appointed Professor of Pediatrics in 1999. She was appointed Chief of the Division of Allergy, Immunology, and Rheumatology in 2000. Currently, Dr. Burns is Director of the Kawasaki Disease Research Program at UCSD/Rady Children's Hospital where she leads a multidisciplinary team that cares for 60-70 new Kawasaki disease patients each year and follows over 900 families. Her passion for studies of Kawasaki disease has spanned more than two decades.



Andrew J Cant. After training in internal medicine, infectious diseases, paediatrics and neonatology at St George's and Guy's Hospitals in London, I held a Medical Research Council fellowship in immunology before completing my training in paediatric immunology and infectious diseases at the Hospital for Sick Children, Great Ormond Street, London and L'Hopital Necker, Paris. Appointed as a consultant in Newcastle 15 years ago, I have set up 1 of 2 national referral centres for the treatment of children with severe immunological disorders and a regional PID/immunology service with a network of clinics across Northern England, Scotland and Ireland supported by a team of 7 specialists. For 5 years I led the UK national PID group and for 6 years I have chaired their training committee. I am UK government advisor on the provision of infectious diseases services and the prevention of infection during transfusion and transplantation. I have



Nigel Curtis is Associate Professor in the Department of Paediatrics at the University of Melbourne; Head of the PID Unit at the Royal Children's Hospital Melbourne; and Joint Leader of the Microbiology & ID Group in the Murdoch Children's Research Institute. He obtained his medical degree at Cambridge University and St Mary's Hospital Medical School, University of London and trained in PID in the Department of Paediatrics at Imperial College School of Medicine at St Mary's, London and British Columbia's Children's Hospital in Vancouver. Current research activities include the investigation of host-pathogen interactions in severe staphylococcal and streptococcal disease, particularly superantigen-mediated diseases, and DNA microarray-based studies of gene expression in acute rheumatic fever and tuberculosis.

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.



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.



Kathryn M. Edwards holds the Sarah H. Sell Chair in Pediatrics and serves as the Vice Chair for Clinical Research for the Department of Pediatrics at Vanderbilt University. She has conducted research on pediatric and adult vaccines and has been involved in formulating vaccine policy for the USA and in evaluating the impact of various vaccine programs. Through NIH and CDC funding she has performed many of the pivotal studies on vaccine effectiveness, vaccine safety, and vaccine impact in the past two decades.

B. Keith English is Professor of Pediatrics and Chief of Pediatric Infectious Diseases at the University of Tennessee Health Sciences Center in Memphis, TN, and is an investigator in the Children's Foundation Research Center at Le Bonheur Children's Medical Center in Memphis. Dr. English is a graduate of the Baylor College of Medicine in Houston, Texas, where he also completed his pediatric residency and served as Chief Resident in Pediatrics at Texas Children's Hospital. He trained in Pediatric Infectious Diseases with Chris Wilson at Seattle Children's Hospital. Dr. English previously served as President of the Southern Society for Pediatric Research and is a member of the Pediatric Infectious Diseases Subboard of the American Board of Pediatrics. Dr. English's laboratory studies macrophage activation and is particularly interested in the regulation of the macrophage response to gram-positive bacteria, including the pneumococcus, the group A streptococcus, and Staphylococcus aureus.



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.

Ian Frazer is director of the Diamantina Institute of Cancer Immunology and Metabolic Medicine, a research institute of the University of Queensland at the Princess Alexandra Hospital in Brisbane. He was trained as a renal physician and clinical immunologist in Edinburgh, before emigrating in 1981 to Melbourne, Australia to continue his clinical training and to pursue studies in viral immunology and autoimmunity at the Walter and Eliza Hall Institute of Medical Research with Prof Ian Mackay. In 1985 he moved to Brisbane to take up a teaching post with the University of Queensland, and he now holds a personal chair as head of the Diamantina Institute. Dr Frazer's current research interests include immunoregulation and immunotherapeutic vaccines, for which he holds research funding from several Australian and US funding bodies. Dr Frazer teaches immunology to undergraduate and graduate students of the University. He is president of the Cancer Council Australia and he advises the WHO on papillomavirus vaccines.



Jorge E. Galan is Lucille P. Markey Professor of Microbiology and Chairman, Section of Microbial Pathogenesis, Boyer Center for Molecular Medicine, Yale University School of Medicine, New Haven, and Professor, Department of Cell Biology, Yale University School of Medicine (joint appointment). He graduated in veterinary medicine at the National University, La Plata, Argentina and obtained his PhD at Cornell University, Ithaca NY. He was subsequently a post-doctoral fellow at the laboratory of Dr. Roy Curtiss III in the Dept of Biology, Washington University. Following Assistant and Associate Professorships at the Dept of Molecular Genetics and Microbiology, Stony Brook NY, he was appointed to his present positions. He has been a Pew Scholar in the Biomedical Sciences, a Searle-Chicago Community Trust Scholar, a Sinsheimer Scholar in the Biomedical Sciences, and the Burroughs Wellcome Visiting Professor at the University of Massachusetts in Worcester. He is a member of the American Academy of Microbiology and was awarded the Hans-Sigrist Prize of the Hans-Sigrist-Foundation, Berne, Switzerland, for outstanding work on microbial pathogenesis.



Anne Gershon is Director of the Division of Pediatric Infectious Disease and Professor of Pediatrics at Columbia University College of Physicians and Surgeons. Her research has included epidemiology, diagnosis, immunology, latency, prevention, and treatment of varicella and zoster. Her studies with varicella vaccine which examined the safety and efficacy of the vaccine in leukemic children and adults were crucial to its licensure; the vaccine is now recommended for all healthy children in the United States. She is will be President of the Infectious Disease Society of America in October 2008. She is the author of over 250 publications and has edited 8 books.

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.



David Kaufman is an Associate Professor of Pediatrics at the University of Virginia School of Medicine. He graduated from the University of Pittsburgh School of Medicine and completed his Pediatric Residency at Albert Einstein Medical Center and a Fellowship in Neonatology at Children's Hospital of Philadelphia and the University of Pennsylvania. He has published randomized controlled studies of fluconazole prophylaxis in preterm infants. Additionally, he has done basic science work examining the preterm immune system and has been involved in multicenter studies in the area of bacterial prevention. He is the Chair of the Neonatal Sepsis Club at the Pediatric Academic Society Annual Meetings. Currently, he is collaborating with the Center for Disease Control and Prevention in analyzing Candida isolates using molecular subtyping, the National Institute of Child Health and Human Development Pediatric Pharmacology Research Units Network study of fluconazole pharmacokinetics in preterm infants, and analyzing fungal susceptibilities with the prolonged use of fluconazole prophylaxis in the NICU over a 10-year period.





Deirdre Kelly is a graduate of Trinity College, Dublin. She has trained in both adult and paediatric gastroenterology and hepatology. She set up the Paediatric Liver Unit at Birmingham Children's Hospital which provides a national and international service for children with liver failure and undergoing liver transplantation. The Unit is the only national unit to be designated for small bowel and liver transplantation in the UK. She runs an active research programme focusing on viral hepatitis in children, molecular genetics of inherited liver disease, quality and outcome of life following liver and/or intestinal transplantation. She was Medical Director of the Children's Hospital (2000-2007) and is a Commissioner on the Healthcare Commission. She is currently President of the European Society of Paediatric Gastroenterology, Hepatology and Nutrition.

Hermione Lyall. As an infectious diseases paediatrician, my main areas of interest are the prevention of transmission of HIV from mother to infant, and the management of HIV infected children and young people. I am a member of the multi-disciplinary family clinic HIV team at St Mary's, Paddington, London. I am currently the Chair of CHIVA. This organisation supports health professionals in the UK working with children with HIV, with the aim of improving the care for families and children with HIV. I am a member of the steering committee of PENTA and participate in international treatment trials for HIV infected children. I am the chair of training for PENTA, training clinicians who care for children with HIV in Europe and Africa.



Martin Maiden. After a training in microbiology at the University of Reading, he began his research career in the Department of Biochemistry, University of Cambridge where he took his PhD degree with Peter Henderson. Following a Medical Research Council Training Fellowship in the same laboratory, he moved to the National Institute for Biological Standards and control in Hertfordshire to set up a group in the Division of Bacteriology working on meningococcal disease. This period included a one year sabbatical as a Humboldt Fellow in Mark Achtman's laboratory at the Max-Planck-Institut fuer molekulare genetik in Berlin. He moved to Oxford in 1997 where he is now Professor of Molecular Epidemiology and Fellow of Hertford College. His particular interests are in the investigation of bacterial infectious diseases and the translation of research findings to public health interventions, especially the design and implementation of new vaccines and vaccination strategies. His current research focuses on antigenic diversity and its relationship to genetic diversity in populations of microorganisms,

especially the meningococcus, *Neisseria meningitidis*, and *Campylobacter jejuni*.

Tomisaku Kawasaki is Guest Professor, Chiba University. In 2008 he received the Special Award for Lifetime Achievement for Contributions to Pediatric Research and Child Health by the Asian Society for Pediatric Research and Pediatric Academic Societies.



Elizabeth Molyneux, Head of Paediatric Department College of Medicine, Blantyre, Malawi. I trained at St Bart's, London. In 1974 I came to Malawi with my husband Malcolm and worked first in a mission hospital before moving to the Queen Elizabeth Central Hospital in Blantyre. In 1984 we went to Liverpool UK, where I worked in Alder Hey Children's Hospital. I was a co-founder of the APLS course and clinical director of the accident and emergency department. In 1995 we returned to Malawi. My interests are diverse but I have done many studies on bacterial meningitis, emergency care and Burkitt's lymphoma.



Malcolm Molyneux. After one year in a mission hospital in Malawi, I worked as Specialist Physician for the government of Malawi, in the national referral hospital. Since 1984 I have been on the staff of the School of Tropical Medicine, University of Liverpool, as Professor since 1993. I was based in Liverpool and in 1995 moved to Malawi as Director of the Malawi-Liverpool-Wellcome Trust Clinical Research Programme, University of Malawi. This is the principal field site of the Wellcome Trust Tropical Centre of the University of Liverpool. Our aim is to provide a facility within Malawi's medical school in which high quality research on locally important problems can be carried out on site, providing training in research for local and international graduates and contributing to the development of national disease control policies. In August 2007 I handed over directorship of MLW to Prof R Heyderman, and I continue to work within MLW and the College of Medicine as a Senior Clinical Scientist.



David Oshinsky holds the Jack S. Blanton Chair in History at the University of Texas. His numerous books include [A Conspiracy So Immense: The World of Joe McCarthy](#), which received the Hardeman Prize for the best book about the history of Congress and was a [New York Times](#) "Notable Book" of the year; and [Worse Than Slavery](#), which won the Robert F. Kennedy Book Award for its distinguished contribution to human rights, and was also a [New York Times](#) "notable book" of the year. His latest work, [Polio: An American Story](#) won the Pulitzer Prize for History in 2006. It is currently being filmed as a documentary by PBS as part of "The American Experience" series. Oshinsky's reviews and essays appear regularly in the [New York Times](#). He is presently researching his next project, a medical history of New York City.



Andrew J Pollard is Reader Paediatric Infection and Immunity, Consultant in Charge 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.





Stephen Rogerson is an Infectious Diseases Physician with a particular interest in malaria in pregnancy. He trained in Australia and the UK, and after a PhD at the Walter and Eliza Hall Institute of Medical Research he worked in Malawi for 4 years on a Wellcome Trust Fellowship, before returning to Australia to take up a post in the University of Melbourne's Department of Medicine. He is a member of the Malaria in Pregnancy Consortium, and his main research links are with Papua New Guinea, Malawi and Indonesia.

David Schellenberg is Professor of malaria & international health at the London School of Hygiene and Tropical Medicine. He lived in Tanzania for nine years where he undertook a series of descriptive and intervention studies while based at the Ifakara Health Research and Development Centre. He has worked on clinical trials of malaria vaccines, anti-malarial drug treatments and of IPTi - Intermittent Preventive Treatment in infants. He was the founding co-ordinator of the IPTi Consortium before leading a program for the deployment and evaluation of IPTi using routine health systems in southern Tanzania. He returned to LSHTM in late 2007.



Pierre Van Damme gained his MD from the University of Antwerp. He was recruited in 1985 to work on the epidemiology and prevention of hepatitis B in institutions for the mentally retarded. He subsequently obtained post-graduate degrees in health and economics, the evaluation of human corporal damage, and occupational medicine. He received his PhD in epidemiology and social medicine in 1994 from the University of Antwerp, Belgium. Pierre set up the Centre for the Evaluation of Vaccination at the University of Antwerp in 1994 and is the director of this facility. This centre has been designated as WHO Collaborating Centre for Prevention and Control of Viral Hepatitis in 1996, and re-designated in 2001 and 2004. Since 2007 the Centre for the Evaluation of Vaccination joined the new formed Vaccine & Infectious Disease Institute, headed by Pierre, regrouping also the laboratory of Medical Microbiology and the laboratory of experimental hematology.



Catherine Cale is a Consultant in Paediatric Immunology and Immunopathology at Great Ormond Street Hospital for Children NHS Trust, London. In her clinical role she looks after children with primary immune deficiency, with a particular interest in Chediak Higashi Syndrome and Chronic Granulomatous Disease. She is head of the Great Ormond Street Hospital Clinical Immunology Laboratory, which provides immunological tests for the hospital, a national molecular diagnostic service for primary immune deficiency and manipulates blood and bone marrow for haematopoietic stem cell transplant.



# HOT TOPICS IN INFECTION AND IMMUNITY IN CHILDREN IV

Edited by  
Adam Finn  
and  
Andrew J. Pollard

ADVANCES IN  
EXPERIMENTAL  
MEDICINE  
AND BIOLOGY

Volume 609

All delegates will receive a free copy of the proceedings of IIC 2008, posted direct to them from the publisher, which is due to be published in the summer of 2009.

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. 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 [www.springer.com](http://www.springer.com) or contact [service-ny@springer.com](mailto:service-ny@springer.com)

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# The Oxford Course



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2009

Hot Topics in  
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in Children

29 June - 1 July 2009

Keble College Oxford

2009

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