



# Hot Topics in Infection and Immunity in Children at Keble College Oxford 26-28 June 2006

Organised by Andrew J Pollard Ronald de Groot  
Ron Dagan Adam Finn & Nigel Curtis

Supported by



European Society for Paediatric  
Infectious Diseases

In association with

British Paediatric Infection Immunity and Allergy Group

and

University of Oxford  
Department of Paediatrics



Supported by unrestricted grants from



# Infection and Immunity in Children 2006 Course Brochure

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# INFECTION AND IMMUNITY IN CHILDREN 2006



Dear Delegate,

We are very pleased to welcome you to Infection and Immunity in Children 2006 at Keble College, Oxford. We have lined up over 30 excellent speakers for your education and entertainment and we are very much looking forward to listening to them ourselves!

In order to bring you such a comprehensive course programme we have left a minimum 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. You will note from the programme that there is a banquet reception and dinner on Monday night with entertainment in the bar afterwards. Dinner will also be provided on Tuesday evening and, 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.

Included in your course pack is your Certificate of Attendance and CPD Certificate.

Delegates staying at Keble will be served breakfast in the dining hall at the times indicated 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. The Porters have a luggage room where you can safely store your belongings and a porter is on duty for 24 hours.

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 J Pollard, Ronald De Groot, Ron Dagan, Adam Finn & Nigel Curtis**

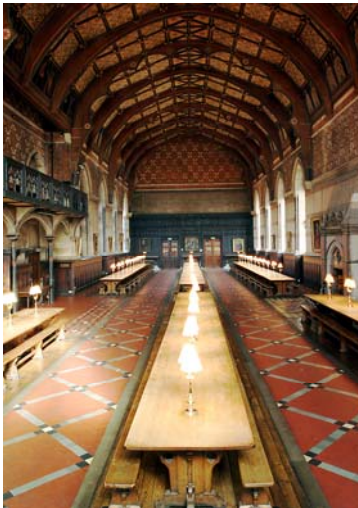
A stylized, lowercase logo consisting of the letters 'i', 'i', and 'c' in a cursive, orange-brown font. The 'i's are connected to the 'c', and the overall shape is reminiscent of a sun or a flame.

# Keble College

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.



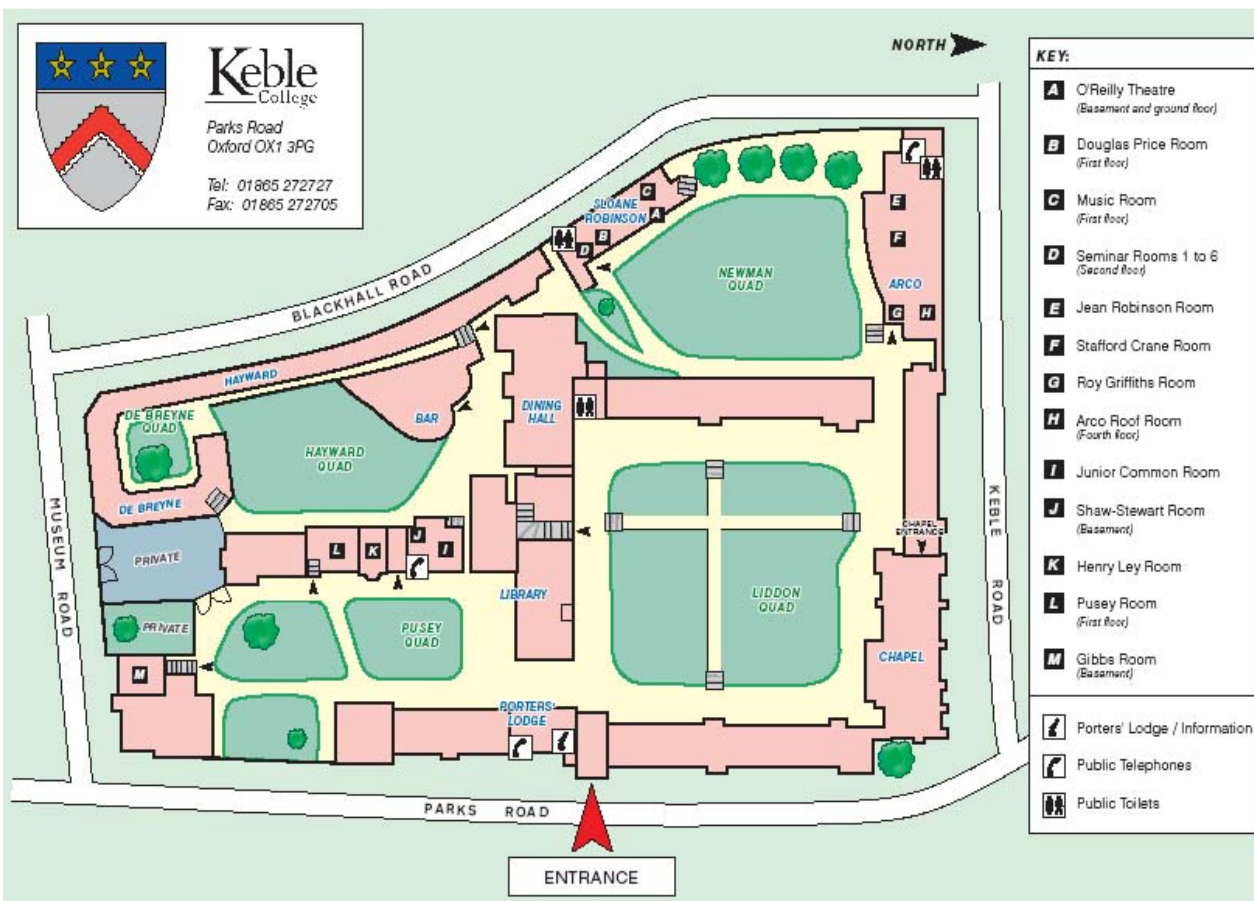
Keble's distinctive redbrick architecture is the work of William Butterfield, a leading proponent of the modern Gothic style, and the college chapel is generally regarded as a masterpiece. But it is perhaps the grandeur of scale and the architectural unity of the original college buildings as a whole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





All delegates will receive a free copy of the proceeds of IIC 2006, posted direct to them from the publisher, which is due to be published in the summer of 2007.

If you wish to purchase a copy of the proceeds of previous IIC courses the easiest way is through Springer Online [www.springer.com](http://www.springer.com)

Hot Topics in Infection and Immunity in Children (IIC 2003)  
 ISBN 0-306-48344-0

Hot Topics in Infection and Immunity in Children II (IIC 2004)  
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Monday 26 <sup>th</sup> June 2006		
8.00-9.00 8.00-10.00	Breakfast for Keble residential delegates Registration & Coffee	
10.15-10.30	Welcome	Andrew Pollard Adam Finn Ronald De Groot Ron Dagan Nigel Curtis
10.30-11.05	The challenge of protecting the world's children against infectious diseases	Paul-Henri Lambert Switzerland
11.05-11.40	The politics of HIV infection in Africa	Hoosen Coovadia South Africa
11.40-12.15	The origins of bird flu	Menno de Jong Vietnam
12.15-12.50	What the paediatrician needs to know when pandemic flu arrives in clinical practice	Nigel Curtis Australia
12.50-13.45	Lunch followed by EVS tutorial and scoring of the morning speakers	
13.50-14.50	Infectious Disease Case Rounds 1	Ron Dagan and Ronald de Groot
14.50-15.25	Scientific and practical issues in the manufacture of flu vaccines	Jeff Almond France
15.25-16.00	The enteroviruses – emerging infections and treatment?	Mark Abzug USA
16.00-16.20	Tea	
16.20-16.55	Clinical insights: leprosy	Anthony Bryceson UK
16.55-17.30	Management of dengue	Bridget Wills Vietnam
17.30-18.05	Trachoma	David Mabey UK
18.05 7pm	Scoring of the afternoon speakers Banquet Reception and Dinner	
Tuesday 27 <sup>th</sup> June 2006		
7.30-8.00	Breakfast for Keble residential delegates	
8.15-8.30	Opening remarks	Andrew Pollard Adam Finn Ronald De Groot Ron Dagan Nigel Curtis
8.30-9.05	Antiviral treatment for herpes viruses	Richard Whitley USA
9.05-9.40	Management of chronic hepatitis B from neonate to adolescent	Rob de Man Netherlands
9.40-10.15	Cat scratch disease	Kenneth Zangwill USA
10.15-10.45	Coffee	
10.45-11.20	Group A streptococcal pathogenesis – scarlet fever, rheumatic fever and glomerulonephritis	Madeleine Cunningham USA
11.20-11.55	Group A strep vaccine development - current status	James Dale USA
11.55-12.30	Recognition and management of toxic shock syndrome and necrotising fasciitis	Mike Levin UK

## Tuesday 27<sup>th</sup> June 2006 (continued)

12.30-13.25	Lunch followed by scoring of the morning speakers	
13.25-14.30	Infectious Diseases Case Rounds 2	Larry Pickering USA and Andrew Pollard UK
14.30-15.05	Infections of the eye	Steve Tuft UK
15.05-15.40	Tick-borne encephalitis – Europe and beyond	Pamela Rendi-Wagner Austria
15.40-16.10	Tea	
16.10-16.45	Lyme disease – controversy in diagnosis and treatment	Eugene Shapiro USA
16.45-17.20	Management of gastroenteritis in children	Larry Pickering USA
17.20-17.55	Snakes, Jellyfish and Spiders	Bart Currie Australia
19.00	Dinner	

## Wednesday 28<sup>th</sup> June 2006

7am	Breakfast for Keble residential delegates	
7.30-8.15	Rotavirus debate - Adam Finn and Andrew J Pollard	Larry Pickering Nigel Curtis Paul-Henri Lambert
8.15-8.30	Opening remarks	Andrew Pollard Adam Finn Ronald De Groot Ron Dagan Nigel Curtis
8.30-9.05	Gonococcal infection in the newborn and adolescent	Noni MacDonald Canada
9.05-9.40	Immunization of pre-teens against sexually transmitted infections: a road without signposts?	Simon Dobson Canada
9.40-10.20	Coffee	
10.20-10.55	Pertussis and the adolescent – epidemiology and prevention	Ulrich Heininger Switzerland
10.55-11.55	Infectious Disease Case Rounds 3	Adam Finn UK
11.55-12.30	Where are we headed with the staphylococcus	Tony Berendt UK
12.30-13.05	New approaches to staphylococcal infections – antibiotics, vaccines and monoclonals	Vance Fowler USA
13.05-14.05	Scoring of the morning session followed by Lunch	
14.05-14.40	Myocarditis	Brigitte Stiller Germany
14.40-15.15	Staphylococcus aureus endocarditis: A consequence of medical progress	Vance Fowler USA
15.15-15.50	Toxoplasmosis in pregnancy and the newborn	Pierre Ambroise-Thomas France
15.50-16.25	Debate on management of sore throat	Nigel Curtis Australia
16.25-16.30	Scoring of afternoon session followed by concluding remarks and close	

## Speakers Biographies



**Mark Abzug** Professor of Pediatrics (Infectious Diseases), University of Colorado School of Medicine and The Children's Hospital, Denver, Colorado. Scientific interests include enterovirus infections, congenital and perinatal infections, central nervous system infections, and infections in immunocompromised patients. Active in the National Institute of Allergy and Infectious Diseases Collaborative Antiviral Study Group and the National Institutes of Health Pediatric AIDS Clinical Trials Group and serves on The American Board of Pediatrics Subboard of Pediatric Infectious Diseases and as Associate Editor of the Journal of Clinical Virology.

**Jeffrey Almond** is Vice President, Global Research and External R&D at Sanofi Aventis Pasteur, the largest manufacturer of human vaccines. Prior to joining the Company in 1999, he was Professor of Microbiology at the University of Reading, UK, and held external offices including Chairman of the Virology Division of the International Union of Microbiological Societies, International Secretary for the Society of General Microbiology and Member of the UK Government's Spongiform Encephalopathies Advisory Committee. He has published numerous articles in the field of Microbiology especially on influenza and picornaviruses. In his present role, he leads research at Sanofi Aventis Pasteur and is responsible for identifying and managing external collaborations relevant to vaccine R&D.



**Pierre Ambroise-Thomas** is Vice President and President-elect of the National French Academy of Medicine and Vice-President and President elect of the International Federation of Tropical Medicine and Hygiene. He is also Vice-President of the Société de Pathologie Exotique and has been a WHO expert (Malaria and tropical parasitic diseases), since 1974. He has authored or co-authored 14 medical books and more than 330 scientific international publications concerning malaria and other tropical diseases (epidemiology, immunology, therapeutic).

**Anthony Bryceson** is emeritus professor of tropical medicine at the London School of Hygiene and Tropical Medicine and was consultant physician at the Hospital for Tropical Diseases from 1974 to 2000. He has worked in Laos, Ethiopia, Nigeria and Kenya. Although his research interests have mainly been in leishmaniasis, he has looked after patients with leprosy throughout his career. With Roy E Pfaltzgraff he wrote the book "Leprosy", which has run to three editions. Now he is medical advisor to LEPRO and continues to work with the TDR Programme of WHO on the development of drugs for leishmaniasis.



**Hoosen (Jerry) Coovadia** - formerly Professor and Head of the University of Natal's Department of Paediatrics and Child Health, is currently the first incumbent of the Victor Daitz Foundation Chair in HIV/AIDS Research, and the Scientific Director of the Doris Duke Medical Research Institute at University's Nelson R Mandela School of Medicine. As a distinguished academic whose primary fields of expertise are Paediatric Nephrology, Infectious Diseases and Nutritional Diseases, he has published prolifically, leads a range of research programmes, advisory groups and development trusts, and is involved in numerous multidisciplinary activities, development initiatives (e.g. poverty alleviation) and health policy formulation. A Fellow of the University of Natal and holder of an Honorary Doctorate (DSc) from the University of Durban-Westville and the University of Witwatersrand, he has been the recipient of a number of prestigious awards.



**Madeleine W. Cunningham** George Lynn Cross Research Professor, Microbiology and Immunology, University of Oklahoma Health Sciences Center, Oklahoma City. She received a Ph.D. degree in Microbiology and Immunology from the University of Tennessee Center for the Health Sciences and trained in a postdoctoral fellowship at the Oklahoma Medical Research Foundation in Protein Chemistry before joining the faculty at the University of Oklahoma Health Sciences Center in the Department of Microbiology and Immunology. Currently, she is the Director of the Immunology Training Program at the University of Oklahoma Health Sciences Center and has investigated group A streptococci, molecular mimicry, and autoimmunity for the past 26 years. She has lectured widely and work from her research group on the pathogenesis of Sydenham's chorea was published in *Nature Medicine* in 2003. Her publication on the "The Pathogenesis of Group A Streptococcal Infections" in *Clinical Microbiology* has been a popular reference for clinicians and researchers.



**Bart Currie** is an Infectious Diseases Physician at Royal Darwin Hospital and Professor in Medicine at the Northern Territory Clinical School, Flinders University. He is also Head of the Tropical and Emerging Infectious Diseases Division of the Menzies School of Health Research in Darwin and Program Leader of the Biomedical Program in the Cooperative Research Centre for Aboriginal Health. Areas of interest include clinical and epidemiological aspects of tropical and emerging infections, development of treatment guidelines and clinical toxinology.

**Nigel Curtis**, is Associate Professor in the Dept of Paediatrics at the University of Melbourne; Head of the Paediatric Infectious Diseases Unit at the Royal Children's Hospital Melbourne; and Joint Leader of the Microbiology & Infectious Diseases 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 Dept 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.



**Ron Dagan** is Professor of PID at the Ben-Gurion University of the Negev in Beer-Sheva, Israel, and Director of the PID Unit at the Soroka University Medical Center, Beer-Sheva. His work focuses on new conjugate vaccines, with an emphasis on pneumococcal conjugate vaccines; the epidemiology of vaccine preventable diseases, clinical aspects of vaccination against antibiotic-resistant pneumococci; the pathology of otitis media, role of resistant organisms in otitis media; and prediction of bacteriologic response to various antibiotics; and the epidemiology and prevention of enteric and invasive infections in young children. He is an international editor for the PID Journal, and is on the editorial board of the Journal of Infectious Diseases, Infection, Human Vaccines and the Israel Journal of Pediatrics. He is currently the president of the European Society for Paediatric Infectious Diseases (ESPID).

**James B. Dale** is Professor of Medicine, Chief of the Division of Infectious Diseases at the University of Tennessee Health Science Center, and the Associate Chief of Staff for Education at the Veterans Affairs Medical Center, Memphis, Tennessee. He received his undergraduate degree from the University of Tennessee in Knoxville and his MD degree from the University of Tennessee, Memphis. His entire research career has been devoted to studies of the molecular pathogenesis of group A streptococcal diseases and vaccine development.





**Ronald de Groot** studied medicine in Rotterdam and after his residency was Senior Medical Officer in Zonkwa Hospital, Nigeria. He trained in Rotterdam and PID in the University of Washington, Seattle. He returned to the Erasmus University in Rotterdam and became head of the training program and Professor in PID and Immunology. He is a member of the Dutch Health Council (vaccines, AIDS, hepatitis B, meningococcal and pneumococcal infections) and chairman of the Dutch Society of Pediatrics. He is statutory director of Vaxinostics BV, a vaccine company. He leads a research group and 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.

**Menno de Jong** - After medical school, PhD research and specialization in medical microbiology at the University of Amsterdam, worked as a consultant microbiologist in Leiden University Medical Center and the Amsterdam University Academic Medical Center. He moved to Vietnam in late 2003 where he set up and heads the Virology Department at the Oxford University Clinical Research Unit, Hospital for Tropical Diseases in Ho Chi Minh City.



**Robert A. de Man** was trained at the Erasmus Medical Centre in Rotterdam the Netherlands in internal medicine and gastroenterology. He wrote his PhD thesis on "Antiviral combination therapy in chronic hepatitis B". He is working now as a staff member and subsidiary head of the department of Gastroenterology and Hepatology of Erasmus Medical Centre (head: prof.dr.E.J.Kuipers). His key interests are antiviral therapy of chronic hepatitis, liver transplantation and public health aspects of hepatitis B. He has published over 250 papers in peer-reviewed journals. He is a member of the editorial board of Liver International, Journal of Hepatology and Hepatology.

**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.



**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.

**Vance G. Fowler** is Associate Professor in the Division of Infectious Diseases at Duke University Medical Center in Durham, North Carolina. He earned his MD with Honors from the University of North Carolina in 1993 and completed his residency, fellowship, and Masters in Health Sciences training at Duke University from 1993-1999. He received certifications in internal medicine in 1996, infectious diseases in 1999, and tropical medicine and traveler's health in 2000. He joined the faculty at Duke University in 1999. His NIH-funded research focuses upon staphylococcal pathogenesis. He has over 131 scientific contributions including over 75 peer-reviewed publications.



**Ulrich Heininger** has been in charge of the Division of pediatric infectious diseases and vaccinology at the University Children's Hospital in Basel, Switzerland, since 1998. Previously, he was working in the field of pediatric infectious diseases at the University of Erlangen, Germany. He conducted several vaccine studies, including coordination of one of the large European acellular pertussis vaccine efficacy trials. His clinical work is in the fields of general pediatrics 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 6 scientists running the INFOVAC service, a nationwide information network for vaccine related questions raised by physicians in private practice.

**Paul Henri Lambert** trained in Belgium at University of Liege. He worked with Frank Dixon at Scripps Clinic and Research Foundation, California. In 1970, he joined the University of Geneva Medical School as head of a research unit and became professor in the Dept of Medicine. In 1975 he was asked to lead the Immunology Research and Training Programme of the WHO. His research activities lead him to decipher immunological mechanisms involved in autoimmune and immune complex-mediated diseases and the pathogenesis of malaria. He became deeply involved in the development of new strategies to optimise vaccine immunogenicity, using a new generation of carrier molecules. In '87 he was appointed as chief Microbiology and Immunology at the World Health Organization and in '94, Chief, Vaccine Research and Development, WHO Global Programme for Vaccines and Immunisation. He is now retired professor in the Dept of Pathology and Immunology at University of Geneva where he is associated with the Centre of Vaccinology.



**David Mabey** is a physician specialising in Infectious and Tropical Diseases. After training in the UK, he went to work at the Medical Research Council unit in The Gambia, West Africa in 1978, and was in charge of clinical services there from 1982-86. He joined the School as a Senior Lecturer in the Department of Clinical Sciences in 1986, and was made Professor of Communicable Diseases in 1994. He is an Honorary Consultant Physician at the Hospital for Tropical Diseases in London. He has been head of the Clinical Research Unit in the School, and Director of the Wellcome Trust Bloomsbury Centre for Clinical Tropical Medicine, since 1995. He has been responsible for the Knowledge Programme on HIV/AIDS and Sexually Transmitted Infections since 1991. He is also a member of the WHO Global Alliance against trachoma, and sits on the Trachoma Expert Committee of the International Trachoma Initiative.



**Noni MacDonald** is a Professor of Paediatrics at Dalhousie University with a clinical appointment in Paediatric Infectious Diseases at the IWK Health Centre in Halifax. She is a member of the Canadian Centre for Vaccinology, Halifax and is head of the Health Policy and Translation Group. She is the former Dean of Medicine at Dalhousie University. Prior to coming to Dalhousie in 1999, Dr. MacDonald worked for 18 years at the University of Ottawa, the Children's Hospital of Eastern Ontario (CHEO) and the Ottawa General as a professor, teacher, clinician and researcher in paediatrics and infectious diseases. Her major research interests have included the microbiology of cystic fibrosis; stress management in medical faculty; sexually transmitted diseases in adolescents; and, vaccines for serious infectious diseases in children and youth. She also is a consultant to the Dept of Immunization, Vaccine and Biologicals of WHO.

**Larry K. Pickering** is senior advisor to the director of the National Immunization Program of the Centers for Disease Control and Prevention (CDC), the Executive Secretary of the Advisory Committee on Immunization Practices (ACIP), and Professor of Pediatrics in the Department of Pediatrics at Emory University School of Medicine in Atlanta, Georgia. He is board-certified in pediatrics and pediatric infectious diseases by the American Board of Pediatrics. He received his medical degree from the West Virginia University School of Medicine, and subsequently completed his pediatric residency and infectious diseases fellowship at St. Louis Children's Hospital, Washington University School of Medicine in St. Louis, Missouri. Research interests include immunizations, infectious diarrhea, child-care related illnesses, and protective factors in human milk.



**Andrew J Pollard** is University Lecturer in Infectious Diseases, 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 John Radcliffe Hospital, Oxford, UK. He obtained his medical degree at St Bartholomews Hospital Medical School, University of London and trained in Paediatric Infectious Diseases in the UK and Canada. Current research activities include clinical trials of new and improved vaccines for children, 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.

**Pamela Rendi-Wagner** is working as a consultant in Specific Prophylaxis and Tropical Medicine at the Medical University Vienna, Austria, following a training at the London School of Hygiene and Tropical Medicine. Since 1998 she has held the position of assistant lecturer at the Department of Specific Prophylaxis and Tropical Medicine. Dr Rendi-Wagner has been involved in research activity on epidemiology of vaccine-preventable childhood diseases, travel medicine, and vaccinology, amongst others, focusing on the evaluation of epidemiological and immunological factors underlying low responsiveness following vaccination.



**Eugene Shapiro** is Professor of Pediatrics, Epidemiology and Public Health and Investigative Medicine at Yale University School of Medicine. He is also Director of Yale's K12 Mentored Clinical Research Scholar Program and Deputy Director of Yale's Investigative Medicine Program. Dr. Shapiro received his M.D. From U. of California, San Francisco School of Medicine. He did a residency in pediatrics and a fellowship in Pediatric Infectious Diseases at Children's Hospital of Pittsburgh and a fellowship in Clinical Epidemiology (Robert Wood Johnson Clinical Scholars Program) at Yale before joining the faculty there.

**Stephen Tuft** is Consultant ophthalmologist at Moorfields Eye Hospital and Senior Lecturer at the Institute of Ophthalmology. Trained as an ophthalmologist in New Zealand. Completed his MD in corneal wound healing at the Institute of Ophthalmology. Among his special interests are ocular infection, and he has organized a two-year national survey of ocular fungal infection as well as conducting a national audit of antibiotic sensitivities of ocular bacterial isolates. He also runs a research program in inherited corneal disease and an MRC funded program to deliver stem cell therapy to treat ocular surface failure.



**Richard J Whitley** is Professor of Pediatrics, Microbiology, Medicine and Neurosurgery; Loeb Scholar in Pediatrics; Director, Division of Pediatric Infectious Diseases; Vice-Chair, Department of Pediatrics; Senior Scientist, Department of Gene Therapy; Senior Scientist, Cancer Research and Training Center; Director, Center for Biodefense and Emerging Infections at The University of Alabama at Birmingham. He is responsible for the National Institute of Allergy and Infectious Diseases Collaborative Antiviral Study Group whose role is to perform clinical trials of antiviral therapies directed against medically important viral diseases of children and adults including viruses considered as threats to human health. Dr. Whitley's other research interest is in the translation of molecular biology to clinical application, particularly in the development of human monoclonal antibodies for therapy of herpesvirus infections and engineering of herpes simplex virus for gene therapy.

**Bridget Wills** is a UK trained paediatrician with a particular interest in tropical infections. For the last 8 years I have worked at the Oxford University Clinical Research Unit in Vietnam, where currently I hold a Wellcome Trust Career Development Fellowship. I focus on clinical studies designed to improve management of dengue infections in children, together with research to understand the pathophysiological mechanisms underlying the coagulopathy and the vascular leak syndrome associated with severe dengue. I also have an appointment as an Honorary Consultant in Paediatric Infectious Disease at St. Mary's Hospital/Imperial College in London.



**Kenneth M. Zangwill** is professor of pediatrics at the David Geffen School of Medicine at UCLA based at Harbor-UCLA Medical Center, Torrance, California. He received his medical degree from the Pennsylvania State University Milton S. Hershey Medical Center, completed residency at the Children's Hospital of Pittsburgh, and Fellowship in pediatric infectious diseases at the Harbor-UCLA Medical Center. He also served for 2 years as an Epidemic Intelligence Service Officer at the Centers for Disease Control and Prevention, Atlanta, Georgia. Board-certified in pediatrics and pediatric infectious diseases, he serves as an ad hoc reviewer for many international journals, and has twice received the Outstanding Faculty Teacher Award at Harbor-UCLA Medical Center, Department of Pediatrics. His research interests include natural disease epidemiology and the safety, immunogenicity, and effectiveness of current and experimental vaccines, including most recently avian and human influenza, rotavirus, hepatitis A and DTaP-IPV-HepB vaccines.

Hot topics in  
Infection and Immunity in Children 2007  
at St Catherine's College Oxford



Another new programme for 2007

In its fifth year, this successful annual event is a topical course covering subjects in paediatric infection for paediatric infectious diseases trainees and trainers and for all those who manage children with infections.

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For further information contact Sue Sheaf  
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