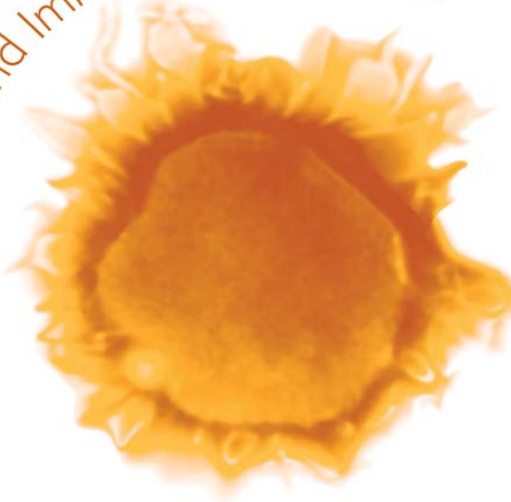


Infection and Immunity in Children



**Hot Topics in Infection and Immunity in Children
at St Catherine's College Oxford
25-27 June 2007**

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



Supported by
European Society for
Paediatric Infectious Diseases



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



CHIRON | VACCINES



Wyeth
Vaccines

Infection and Immunity in Children 2007 Course Brochure

Contents

Welcome Letter

A short history of St Catherine's College

Programme

Speakers Biographies and Photos

Purchase of proceedings of IIC 2003/2004/2005/2006

Map of St Catherine's College

Useful/Emergency Numbers for Oxford:

Police	St Aldates, Oxford	01865	266000
Hospital A & E	John Radcliffe Hospital, Oxford	01865	220223
Post Office	St Aldates, Oxford	01865	202863
Library	Westgate Centre, Oxford	01865	815509
Chemists	Boots Chemist Cornmarket Street (Open 8.30am – 6pm daily)	01865	247461
Buses	From Gloucester Green Bus Station Oxford Citylink (Oxford Bus Co) Oxford Tube (Stagecoach) National Express	Enquiries: Enquiries: Enquiries:	01865 785400 01865 772250 08705 808080
Trains	Times and fares Telesales	08457 08457	484950 300700
Taxis	ABC Taxis Courtesy Cars	01865 770077 01865 874787	or or 775577 873497



Dear Delegate,

Welcome to the 5th annual Oxford Course, “Hot Topics in Infection and Immunity in Children 2007”, and a warm welcome to St Catherine’s College and 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 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 on Monday evening there is a one hour open-top bus tour of Oxford with a live guide, followed by evening dinner. The course banquet dinner is on Tuesday evening, with The Jazz Menagerie performing live in the bar, both before and after 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.

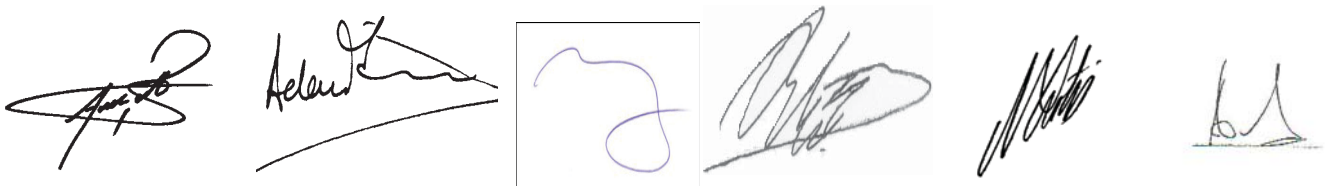
Delegates staying at St Catherine’s College will be served a buffet breakfast in foyer of the Bernard Sunley Building at the times shown in the programme. Please be prompt for all meal times as service will only take place over the first 25 minutes of each break.

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

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 days talks begin. The Porters have a luggage room where you can safely store your belongings 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 J Pollard Adam Finn Ron Dagan Ronald de Groot Nigel Curtis Andrew Cant

St Catherine's College

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 given grade 1 has matured sophisticated environment.



the few post-war country to be listed status and to create a and attractive

When the opened to its in October few buildings for occupation them were The band of endured the that first term known as the

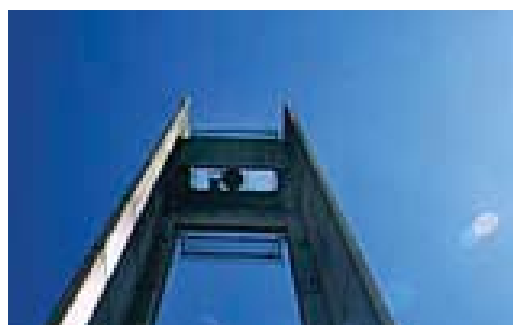
C o l l e g e first students 1962 only a were ready and none of c o m p l e t e . pioneers who privations of quickly became 'Dirty Thirty',

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.

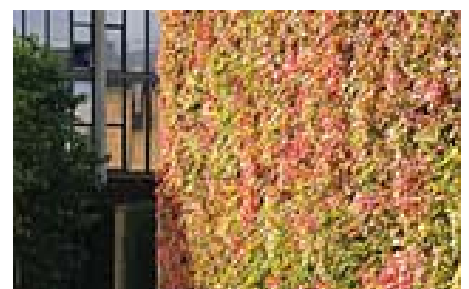
The Club that became St. Catherine's Society took its name from its original meeting place, St Catharine's Hall, a house in Broad Street now forming part of Hertford College. However the connection with the saint is perhaps entirely appropriate for a college founded on an ethos of high academic standards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

The College celebrates its patron saint each year with a special Catz Night dinner, attended by junior and senior members of the College, at the end of which a giant Catherine wheel is lit in the quad.



Arne Jacobsen, the architect of St Catherine's, considered the garden as an integral part of his design. As such it is now a Registered Garden to accompany the Grade 1 Listing of the buildings.



Monday 25th June 2007

8.00-9.30	Registration Buffet breakfast for all delegates in Bernard Sunley Foyer	
9.30-9.40	Welcome	Andrew Pollard Adam Finn Andrew Cant Ronald De Groot Ron Dagan Nigel Curtis
9.40-10.10	Don't trust the media to promote child health!	Fergus Walsh BBC UK
10.15-10.45	Throwing billions at health: Can we save lives in the Age of Gates?	Laurie Garrett USA
10.50-11.20	Vaccines to impact global child health	Orin Levine USA
11.25-11.45	Coffee	
11.45-12.15	Interactions of humans with the malaria parasite	Thomas Williams Kenya
12.20-12.50	The antibiotic pipeline in pediatrics: is it flowing or ruptured?	George McCracken USA
12.55-13.50	EVS practice and scoring of morning sessions followed by Lunch	
13.50-14.50	Infectious Disease Case Rounds 1	Nigel Curtis Australia
14.50-15.20	Leishmaniasis	Rob Davidson UK
15.25-15.55	Imported infections in children	Andrew Riordan UK
16.00-16.20	Tea	
16.20-16.50	New research in Group A streptococcal pharyngitis: PANDAS and penicillin failures	Michael Pichichero USA
16.55-17.25	Influenza in pregnancy	Noni Macdonald Canada
17.30-18.00	Challenges in inducing protective immunity in early infancy Scoring of afternoon session	Claire-Anne Siegrist Switzerland
18.15-19.15	Open-top bus tour of Oxford with commentary Buses depart from and return to St Catherine's	
19.30	Dinner	

Tuesday 26th June 2007

7.15-7.45	Buffet breakfast for all delegates in Bernard Sunley Foyer	
7.45-8.30	Debate	Andrew Pollard & Adam Finn UK
8.30-9.00	Unraveling Staphylococcal and Streptococcal virulence mechanisms to identify novel targets for therapy	Victor Nizet USA
9.05-9.35	Challenges in the evaluation and management of bone & joint infections & the role of new antibiotics for Gram Positive infections	Sheldon Kaplan USA
9.40-10.10	Vaccine probe studies – the solution points to the problem	Ron Dagan Israel
10.15-10.40	Coffee	
10.40-11.10	Global epidemiology of pneumococcal disease and new prospects for vaccine control	William Hausdorff Belgium
11.15-11.45	The significance of serotype replacement for pneumococcal disease and antibiotic resistance	Keith Klugman South Africa
11.50-12.20	Treatment of meningococcal disease – have we moved on in the past decade and where's the evidence?	Mike Levin UK

Tuesday 26th June 2007 (continued)

12.25-12.55	Broader prevention of meningococcal disease	Andrew Pollard UK
13.00-13.55	Lunch followed by EVS scoring of the morning speakers	
14.00-15.00	Infectious Diseases Case Rounds 2	Ronald de Groot The Netherlands
15.00-15.30	To be confirmed	
15.35-16.05	Shiga toxin-producing Escherichia coli and the Haemolytic Uraemic Syndrome: what have learned in the past 25 years?	Phil Tarr USA
16.10-16.30	Tea	
16.30-17.00	Microbiology and management of empyema	Julia Clark UK
17.05-17.35	Childhood intra-thoracic TB	Ben Marais South Africa
17.40-18.10	The evidence behind TB management protocols	Delane Shingadia UK
19.15	Reception and Banquet Dinner	

Wednesday 27th June 2007

7.30-8.00	Buffet breakfast for all delegates in Bernard Sunley Foyer	
8.00-8.05	Opening remarks	Andrew Pollard Adam Finn Andrew Cant Ronald De Groot Ron Dagan Nigel Curtis
8.05-8.35	Pathogenesis of RSV infection and post-bronchiolitis wheeze - new insights	Louis Bont The Netherlands
8.40-9.10	Novel viral infections	Albert DME Osterhaus The Netherlands
9.15-9.45	Routine use of influenza vaccine	David Isaacs Australia
9.50-10.20	Management of fungal infections, rational approach to the use of new antifungal agents in children	Tom Walsh USA
10.25-10.50	Coffee	
10.50-11.20	How can we eradicate pertussis?	James D Cherry USA
11.25-11.55	Paediatric drug development and clinical trials	David McIntosh Wyeth & Imperial College
12.00-12.30	Primary immunodeficiencies	Andrew Cant UK
12.35-13.05	Molecular diagnosis of primary immunodeficiencies	Mirjam van der Burg The Netherlands
13.10-14.10	EVS scoring of the morning session Lunch	
14.10-15.10	Infectious Disease Case Rounds 3	Adam Finn UK
15.10-15.40	Recognition and management of encephalitis in children	James D Cherry USA
15.45-16.15	Management of children with fever and neutropaenia	Simon Dobson Canada
16.20-16.50	Interactive session – finding the needle in the haystack: the management of the child presenting with fever	Nigel Curtis Australia
16.55	Scoring of afternoon session followed by concluding remarks and close Tea	

Speakers Biographies



Louis Bont is a paediatrician at the University Medical Center Utrecht, The Netherlands. He is a senior investigator in the Utrecht RSV Research Group, which is headed by Prof. Dr. Jan Kimpfen. Dr. Bont has published 15 original articles on RSV bronchiolitis. He is the principal investigator of projects of 6 PhD students. His research focuses on the clinical, genetic and immunological determinants of RSV bronchiolitis. In addition, he has a strong interest in the relationship between RSV bronchiolitis and the development of long-term airway morbidity.

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 been President of ESPID since May 2006.



James D. Cherry received his M.D. degree from the University of Vermont in 1957 and his M.Sc. degree in Epidemiology from the London School of Hygiene and Tropical Medicine in 1983. Following his residency he was an Infectious Diseases fellow on the Harvard Medical Service at Boston City Hospital during 1961 and 1962. He has been a member of the Division of Infectious Diseases at Mattel Children's Hospital at UCLA from 1973 until the present. (Chief of the Division 1973 to 2000). Dr. Cherry is the co-editor of *The Textbook of Pediatric Infectious Diseases*, five editions of which have been published since 1981.

Julia Clark is a consultant in PID in Newcastle Hospitals NHS Trust. After graduation from Nottingham University and a surgical house job on the Isle of Lewis in the Hebrides, she went into paediatrics trying Manchester, London and Australia before finally deciding to settle in sunny Newcastle. Here she developed her interest in Infectious Diseases, with specific clinical and research interests which include infection in the immunocompromised child, non-tuberculous mycobacteria and TB, epidemiology and aetiology of pneumonia and management of bone and joint infections. She works as part of a team delivering tertiary care for children with infectious diseases and immunodeficiencies and providing BMT for primary immune deficiency. This team also provides secondary and tertiary paediatric allergy services and she has established a pollen desensitisation programme for severe hayfever in children. Julia is highly involved in training and education in PID, developing innovative



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.

Ron Dagan is Director of the PID Unit at the Soroka University, Beer-Sheva, Israel. He is also Professor of Pediatrics and ID at the Ben-Gurion University of the Negev. He is a Founding Member of the World Society of PID, Council Member of the International Society of ID and Fellow of the ID Society of America. Since 1998, he has been involved in the WHO Working Group on Pneumococcal Nasopharyngeal Carriage and the WHO Pneumonia Radiology Working Group. He served as the President of the ESPID from 2004 to 2006 and is currently the President of the WSPID. He has earned international recognition for his research, which has focused largely on the development of new conjugate vaccines, with particular emphasis on pneumococcal conjugate vaccines; the understanding of hepatitis A epidemiology and introduction of hepatitis A vaccines; the epidemiology of diseases that are preventable through vaccination; clinical aspects of vaccination against antibiotic-resistant pneumococci; the pathology of otitis media, role of resistant organisms in otitis media and prediction of bacteriological response to various antibiotics and the epidemiology and prevention of enteric and invasive infections in young children.



Robert Davidson is a consultant physician in infectious and tropical diseases at Northwick Park Hospital and a Honorary Senior Lecturer at Imperial College medical school. He is also the technical adviser on visceral leishmaniasis for Medecins Sans Frontieres - Holland, with whom he has worked as a volunteer for many years. He is the author of many publications on infectious diseases, especially treatments for leishmaniasis.



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.



Adam Finn is the David Baum Professor of Paediatrics at the University of Bristol, UK and a consultant in paediatric infectious diseases at Bristol Royal Hospital for Children. His research focusses primarily on the pathogenesis of pneumococcal infections and mucosal immune responses to pneumococcal infection and candidate vaccines in children.

Laurie Garrett, as a medical and science writer for Newsday, in New York City, she became the only writer ever to have been awarded all three of the Big "Ps" of journalism: The Peabody, The Polk (twice), and The Pulitzer. Garrett is also the best-selling author of *The Coming Plague: Newly Emerging Diseases in a World Out of Balance* and *Betrayal of Trust: The Collapse of Global Public Health*. In March 2004, Garrett took the position of Senior Fellow for Global Health at the Council on Foreign Relations. She is an expert on global health with a particular focus on newly emerging and re-emerging diseases; public health and their effects on foreign policy and national security. Laurie Garrett is currently the Senior Fellow for Global Health at the Council on Foreign Relations in New York.





Bill Hausdorff joined GSK Biologicals in 2003, and is currently Director of Epidemiology and Scientific Strategy based in Rixensart, Belgium. His academic background includes a PhD in Biology from Johns Hopkins University/the U.S. National Institutes of Health and a post-doctoral fellowship in molecular pharmacology at Duke University in the US. Subsequently he served as a Technical Advisor with the US Centers for Disease Control and Prevention at the US Agency for International Development, based in Wash DC and Cairo, Egypt, where he worked to expedite introduction of new vaccines into developing country immunization programs. He then joined Wyeth Vaccines in the Scientific Affairs and Research Strategy group. His major focus at GSK Biologicals is *Streptococcus pneumoniae* and *Neisseria meningitidis*, and he has published extensively on the epidemiology of *S. pneumoniae* disease.

David Isaacs is a specialist at the Children's Hospital at Westmead in Sydney and Clinical Professor of Paediatric Infectious Diseases at the University of Sydney. He has a special interest in neonatal infections, viral respiratory infections and immunisation. His other medical areas of interest are bio-ethics, drug and vaccine safety, medical education and medical humour.



Sheldon Kaplan is currently Professor and Vice-Chairman for Clinical Affairs in the Department of Pediatrics at the Baylor College of Medicine and Chief of the Infectious Disease Service and Head, Department of Medicine at Texas Children's Hospital in Houston, TX. Dr. Kaplan has published over 170 peer-reviewed articles and is a co-editor of the *Textbook of Pediatric Infectious Diseases*, 5th Ed. He is also an Editor of the Pediatric Infectious Diseases sections of the electronic textbook UpToDate. His current research interests include infections in children caused by *Staphylococcus aureus*, *Streptococcus pneumoniae* and *Neisseria meningitidis*. Dr. Kaplan is the immediate Past President of the Pediatric Infectious Diseases Society.

Keith Klugman is the William H Foege Chair of Global Health at Emory University, in Atlanta. He is also a Professor of Medicine in the Division of Infectious Diseases at that University and a Visiting Researcher in the Respiratory Diseases Branch of the CDC. He is also co-Director of a Respiratory Research Unit in Johannesburg, South Africa. Professor Klugman is a Member of the Executive Committee of the International Society of Infectious Diseases and is Chair of the International Committee of the American Society for Microbiology. The umbrella organization of all national microbiology societies is the International Union of Microbiological Societies, of which Professor Klugman is currently Vice Chair. He serves as an editor or member of the editorial board of 8 international journals on medicine, infectious diseases, vaccines and antimicrobials. Professor Klugman's particular research interest is in pneumococcal infections. He has published more than 340 papers to date.



Orin Levine is the Executive Director of GAVI's Pneumococcal Accelerated Development and Introduction Plan (PneumoADIP), an effort to assure access to pneumococcal conjugate vaccines for the world's poorest children at the earliest possible time. The PneumoADIP is based at the Department of International Health, Johns Hopkins Bloomberg School of Public Health and supported by \$30M from the Global Alliance for Vaccines and Immunization. Before coming to Johns Hopkins, Dr. Levine spent 5 years in Atlanta at the Centers for Disease Control and Prevention as an EIS officer and then as a staff epidemiologist, and then 3 years with the NIH in Bethesda. He is also an adjunct assistant professor of epidemiology at the Rollins School of Public Health at Emory University. In 2000, Dr. Levine was awarded the CDC's Iain Hardy Award for Outstanding Contributions to the Control of Vaccine Preventable Diseases. He serves frequently as a consultant to the World Health Organization and to individual countries on the control of Hib and pneumococcal disease by vaccination.

Noni MacDonald is a Professor of Paediatrics at Dalhousie University with a clinical appointment in PID at the IWK Health Centre in Halifax. She is a member of the Canadian Centre for Vaccinology and is head of the Health Policy and Translation Group. She is the former Dean of Medicine at Dalhousie University. 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 has served on the editorial boards of several major publications, and is the founding Editor in Chief for Paediatrics and Child Health. She is an elected member of Canadian Academy of Health Sciences. and is active in many academic and professional organizations as well as federal government committees and task forces. She also is a consultant to the Dept of Immunization, Vaccine and Biologicals of WHO since completion of her term on the WHO's Global Advisory Committee on Vaccine Safety. She has long been recognized in Canada, as an advocate for children and youth health and as a leader in paediatric infectious disease.



E. David G. McIntosh is an Honorary Clinical Senior Lecturer at Imperial College and Medical Director Infectious Diseases for Wyeth. He also teaches at the Department of Infectious and Tropical Diseases at the Charles University in Prague, Czech Republic, and has an honorary position in paediatric infectious diseases at the Great Ormond Street Hospital for Sick Children in London. His current areas of interest are immunisations, pneumococcal infections, onchocerciasis, paediatric clinical trials, paediatric pharmacology, influenza, pharmacoconomics, the development of new antibiotics and the problem of antibiotic resistance.

George H. McCracken, Jr., is Professor of Pediatrics, The GlaxoSmithKline Distinguished Professor of Pediatric Infectious Disease, and The Sarah M. and Charles E. Seay Chair in Pediatric Infectious Diseases at the University of Texas Southwestern Medical Center at Dallas. With 445 peer-reviewed manuscripts and 60 book chapters to his credit, Dr. McCracken has made significant contributions to the scientific literature. He has been Chief Editor of *The Pediatric Infectious Disease Journal* since 1982 when he and Dr. John Nelson started the journal. Since 1968, Dr. McCracken has trained 86 fellows in pediatric infectious diseases, of which 80% are engaged in active research and training at university-affiliated medical centers and children's hospitals worldwide. In addition, since 1992 he has raised more than \$4.5 million for the Pediatric Infectious Diseases Society to sponsor 58 two-year fellowship training awards.



Ben Marais is Associate professor in the department of Paediatrics and Child Health at Stellenbosch University, South Africa. Special interest in childhood TB; current chairman of the Child TB working group of the International Union Against Tuberculosis and Lung Disease (IUATLD).

Victor Nizet, MD is a Professor of Pediatrics and Pharmacy and Chief of the Division of Pediatric Pharmacology & Drug Discovery at the University of California, San Diego School of Medicine and Skaggs School of Pharmacy and Pharmaceutical Sciences. Dr. Nizet received his MD degree at Stanford University, followed by residency and chief residency in Pediatrics at Harvard University/Boston Children's Hospital and a fellowship in PID at the University of Washington in Seattle. Dr. Nizet's laboratory program focuses on bacterial pathogenesis and the innate immune system, applying a variety of molecular genetic approaches to discover and characterize key virulence factors and critical host defense pathways. Through these investigations, novel strategies for treatment of bacterial infection can be envisioned.





Albert D.M.E. Osterhaus currently holds the positions of Professor of Virology and head of the Virology department of the Erasmus MC, Rotterdam since 1993. He is a Professor of Environmental Virology at the Veterinary Faculty, State University Utrecht since 1990, and also the Director of the NIC since 1993; Director WHO Collaborating Center for Arboviruses and Haemorrhagic Fever Reference and Research, Rotterdam; Member of the EC Scientific Steering Committee; Member of the Dutch Health Council; Chairman of the European Scientific Working group on Influenza (ESWI). He holds several editorial appointments for scientific journals, is the winner of several scientific awards, is the holder of several patents, has been the mentor of more than 50 Ph.D. students, holds many consultantships, and has organized a number of international meetings. Over the past 20 years, Prof. Osterhaus has identified more than a dozen “new” animal and human viral pathogens. He is the author of more than 670 peer reviewed scientific papers. In 2003, he was awarded the Royal decoration of Commander in the Order of the Dutch Lion.

Michael E Pichichero is currently a Professor of Microbiology and Immunology, Pediatrics and Medicine at the University of Rochester in New York. He is board certified in Pediatrics, in Adult and Pediatric Allergy and Immunology and in Pediatric Infectious Disease. He is a partner in the Elmwood Pediatric Group, a recipient of numerous awards and he has over 500 publications in infectious disease immunology and allergy. His major practice and research interests are in vaccine development, streptococcal infections and otitis media.



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.

Andrew Riordan is currently Consultant in Paediatric Infectious Diseases and Immunology at the Royal Liverpool Children’s Hospital, UK. He was Johanne Holly Research Fellow at the University of Liverpool and wrote his Doctoral Thesis on Meningococcal Disease. He then worked in Birmingham, UK for 10 years and developed an interest in imported infections there, before returning to Liverpool.



Delane Shingadia is a Consultant in Pediatric Infectious Diseases at Great Ormond Street Hospital and Honorary Senior Lecturer at the Institute of Child Health. Dr. Shingadia has expertise in the management of a variety of paediatric infectious diseases, including HIV, tuberculosis and malaria. He was the RCPCH representative for the NICE TB guidelines as well as the paediatric representative on the Joint Tuberculosis Committee of the British Thoracic Society. His research interests including infectious diseases epidemiology, infection and immigration and infection in immunocompromised children. He has just completed a national TB surveillance study through the British Paediatric Surveillance Unit.

Claire-Anne Siegrist is Professor of Vaccinology, Director of the Paediatric Department of the University of Geneva (Switzerland) and of the WHO collaborating Centre for Neonatal Vaccinology and President of the Committee in charge of vaccine recommendations for Switzerland. She received the Bill Marshall award of ESPID in 2005, in recognition of her contribution to vaccinology.



Phillip Tarr graduated from Yale University School of Medicine, and trained in pediatrics at the University of Washington and Children's Hospital in Seattle. He subsequently received additional training in microbiology, infectious diseases, and gastroenterology, before joining the Department of Pediatrics at the University of Washington in 1989. Dr. Tarr moved to Washington University in St. Louis in 2003, where he is the Melvin Carnahan Professor of Pediatrics, Director of Pediatric Gastroenterology and Nutrition, and Professor of Molecular Microbiology.

Mirjam van der Burg, is head of the Primary Immunodeficiency (PID) Workgroup of the dept. of Immunology at Erasmus MC in Rotterdam. The PID Workgroup focuses on immunodiagnosics (i.e. flow cytometric analysis and molecular diagnostics) and research of antibody deficiencies and severe combined immunodeficiencies (SCID). The group has a special interest in T-B-NK+ SCID, which are caused by mutations in the recombinase enzyme system. Recent contributions to the PID field concern the identification of CD19 deficiency as cause of dysgammaglobulinemia and Ligase 4 deficiency as cause of SCID.



Fergus Walsh is the BBC's Medical Correspondent. His role is to report on medical research and examine domestic and global disease threats. His reports appear on BBC1's Six and Ten o'clock News, BBC News 24, BBC World, BBC Radio and BBC News Online. In the past couple of years he has reported from Vietnam and Turkey on the spread of the H5N1 virus. He has also reported from Africa on malaria and HIV/AIDS. In 2005 a despatch from Nigeria on efforts to eradicate polio won him a medical journalism award. Fergus first reported for the BBC in 1984. Since then he has covered several specialist areas, including Home and Legal Affairs, Health and Science.

Tom Williams is a Reader in Tropical Medicine and a member of the Department of Paediatric Infectious Diseases at the University of Oxford. He trained in Paediatrics and Paediatric Infection in London before entering research in 1991. His research focus is on the malaria, with an emphasis on the role of human genetic factors on susceptibility and disease expression. Having begun his research career in Vanuatu in the South-west Pacific, he has been based at the Oxford University / Wellcome Trust Major Overseas Programme in Kilifi, Kenya since 2000, where his work is supported by a Wellcome Trust Senior Fellowship in Clinical Science.



All delegates will receive a free copy of the proceedings of IIC 2007, posted direct to them from the publisher, which is due to be published in the summer of 2008.

These books are based on the course and are aimed at encouraging excellence in clinical practice and raising the profile of paediatric infectious disease, 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.

HOT TOPICS IN INFECTION AND IMMUNITY IN CHILDREN III

ADVANCES IN
EXPERIMENTAL
MEDICINE
AND BIOLOGY

Volume 582

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 or contact service-ny@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) ISBN: 0-387-25341-6
Hot Topics in Infection and Immunity in Children III (IIC 2005) ISBN 0-387-31783-X
Hot Topics in Infection and Immunity in Children IV (IIC 2006) Published in June 2007

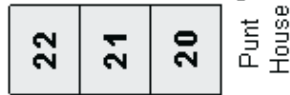
Edited by
Andrew J. Pollard
and
Adam Finn

 Springer

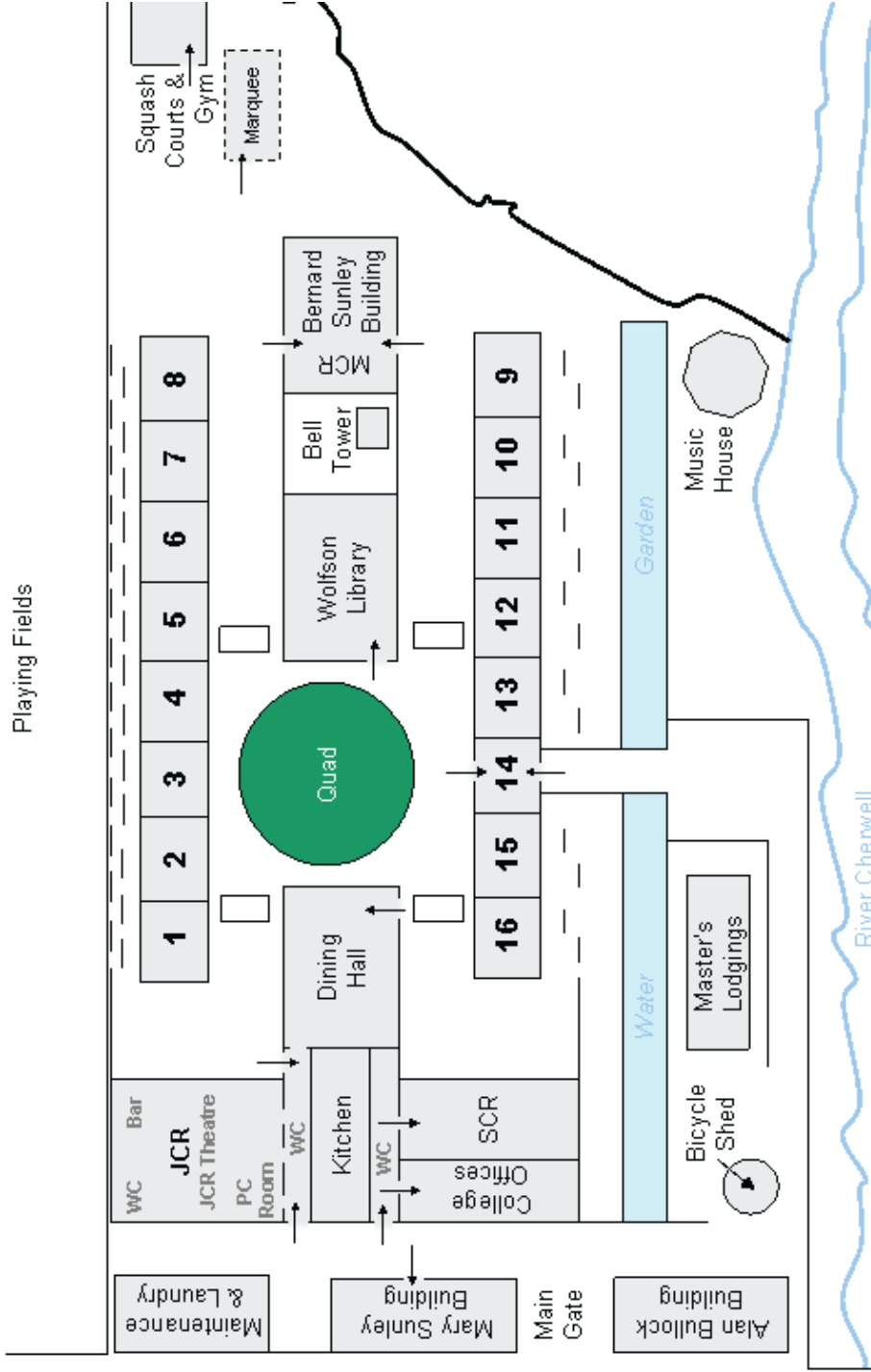
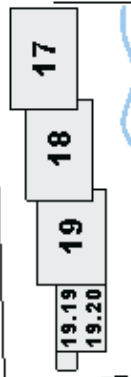


St. Catherine's College

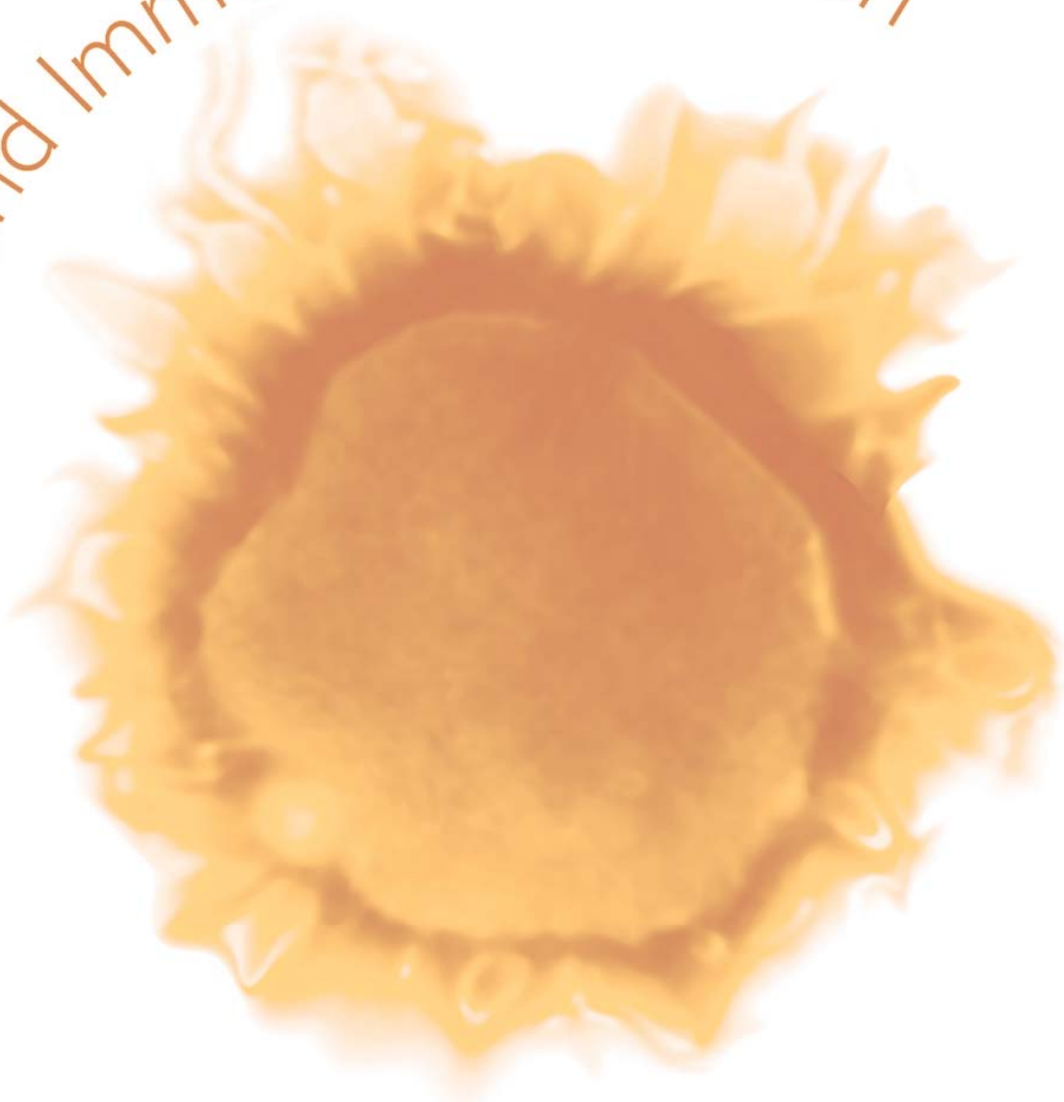
The Arumugam Building
- Porters' Lodge
- Seminar Suites



Car Parks



Infection and Immunity in Children



IIC 2008 at Keble College Oxford

On-line registration, payment and
further information will be available at

<http://www.bpaiig.org/iic.html>