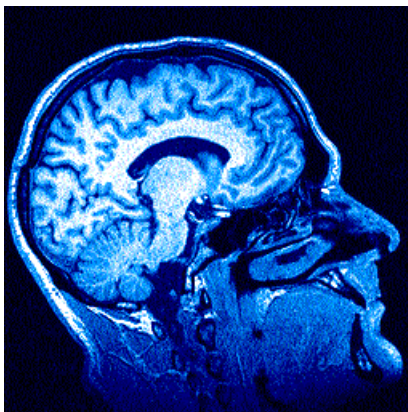


### Mapping perception through a sci-art collaboration

Dr Mark Lythgoe of the Radiology and Physics Unit has just been awarded £43,900 as part of the sci-art award scheme co-ordinated by the Wellcome Trust. Mark and his collaborator, artist and film-maker Andrew Kötting, will use the funding to develop an 'immersive environment' called *Mapping Perception*. This interactive experience, partly created using MRI and other forms of imaging, will allow people to think about the five senses and how these are impaired – or enhanced – by disability. The artwork should debut at next year's Edinburgh International Film Festival.



MRI scan of Andrew's brain

The project has been inspired by Andrew's 12-year-old daughter Eden, who suffers from Joubert's syndrome. This rare condition, which affects the development of the vermis in the cerebellum, leaves Eden with speech, motor co-ordination, eye-movement and breathing problems. It did not, however, prevent her from starring in Andrew's successful 1996 film *Gallivant*, a British road movie that also starred Andrew's 85-year-old mother Gladys.

Says Mark "It is one thing to know about Joubert's syndrome from the medical point of view but quite another to understand what it is to live with it. We hope that the fusion of art, film and science will give us a new insight into Eden's world." In creating the environment, Mark and Andrew will explore what is normal

and what is abnormal by comparing sophisticated magnetic resonance images of Andrew's and Eden's brains. These images will be orchestrated with film footage of Eden's daily life at different ages and sound recordings to form an experience through which visitors can walk, engaging and disengaging all five senses. "The environment should leave the visitor with an idea of what it feels like to have a disability – and hopefully challenge preconceptions about the associated limitations" says Mark.

Although Mark has been involved in sci-art initiatives before – his 1999 exhibition at the ICH with artist Jayne Gouge was a great success – he feels this project is a genuine two-way collaboration. He has had to learn the languages of art and film-making while Andrew has attended seminars at the ICH to enhance his understanding of scientific methods. The collaboration is now a genuine attempt for science and art to work together, rather than an artist using scientific technologies or a scientist using attractive images from their work. "The real difference for me", comments Mark, "has been learning to work in an open-ended way rather than the hypothesis-driven way I am used to." The level of communication between Mark and Andrew was particularly commended by the panel judging the sci-art awards.

Another benefit from the project has been the interest shown by colleagues at ICH/GOS, several of whom are contributing to its development. Eden was diagnosed here at the age of two and is currently cared for by Dr Robert Surtees (Neurology). Dr Melissa Lees (Clinical Genetics) is contributing to the understanding of the genetics of Joubert's syndrome. Prof David Gadian is involved in the imaging, and Prof Faraneh Vargha-Khadem plans to apply sophisticated neuropsychological testing to uncover Eden's strengths and weaknesses.

The sci-art awards are funded by a consortium comprising the Arts Council of England, the British Council, Calouste Gulbenkian Foundation, the Scottish Arts Council and the Wellcome Trust, sponsored by the National



Endowment for Science, Technology and the Arts. This year 11 awards totalling £200,000 were made, with Mark and Andrew's one of the two production awards. The award ceremony was held at the Science Museum last month in the presence of Arts Minister Alan Howarth. The project already has funding from the London Production Fund, and its development is being co-ordinated by Giles Lane at Proboscis.



Dr Mark Lythgoe

For further information on *Mapping Perception*, visit their web site at [www.mappingperception.org.uk](http://www.mappingperception.org.uk) The Wellcome Trust website at [www.wellcome.ac.uk](http://www.wellcome.ac.uk) has more information on the sci-art scheme.

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## Research Awards & Donations

### Over £1.6m awarded in April

In April the Institute and Hospital were awarded £1,630,232 in grants, awards and donations.

#### Action Research

To Dr N Klein, Professor M Turner and Dr R Read, an award for a study of the role of mannose binding lectin in host defence against *N. meningitidis*: a model of innate immunity to Gram-negative bacteria.

Total award: £106,617

To Professor F Vargha-Khadem, Dr F Kirkham, Professor D Gadian and Dr J Evans, an award for the correlation of frontal lobe pathology and executive dysfunction in children with sickle cell disease.

Total award: £91,885

#### Akzo Noble

To Dr I James, Dr J McFadzean, Dr M Hug, Dr P Cullen and Dr A Goldie (both from Royal Hospital for Sick Children, Glasgow), an award for a study of the long-term infusion of rocuronium in paediatric patients in ICU.

Total award: £5,250

#### British Heart Foundation

To Professor J Deanfield and Professor M Vogel, an award of an Overseas Visiting Fellowship for the regional analysis of global ventricular dysfunction in adolescents and adults with congenital heart disease.

Total award: £69,571

#### Foundation of Nursing Studies

To Miss E Bruce and Professor L Franck, an award for standards for paediatric pain assessment: implementing research into practice.

Total award: £9,250

#### GOS/ICH Science Development Initiative Pump-Priming Grants

To Dr I Dundas, for a study of respiratory function and clinical status in pre-school children with lung disease.

Total award: £8,950

To Dr S Eaton, for a study of the effect of glutamine on liver metabolism during sepsis in infants and children.

Total award: £8,795

To Dr S Eaton, for a study of the molecular basis of hyperinsulinism in short-chain hydroxacyl-CoA dehydrogenase deficiency.

Total award: £7,600

To Dr D Goldblatt, for an investigation of the molecular analysis of the immune response to vaccines and infectious diseases: optimisation of antigen-specific B cells.

Total award: £16,303

To Dr M Hubank, for the characterisation of the cellular phenotype of F96, a cell line derived from an immunodeficient and radiosensitive patient and establishment of a protocol for the analysis of undefined immunodeficient patients.

Total award: £14,180

To Dr D Penny, for a study of systemic oxygen balance after cardiopulmonary bypass: manipulation with anabolic interventions.

Total award: £18,550

To Dr P Riley, for an investigation of the expression and function of cystatin C and cathepsins B and L during cardiac morphogenesis.

Total award: £12,058

To Dr L Shekerdemian, for a study of the effect of an endothelin receptor antagonist on pulmonary haemodynamics in a model of meconium aspiration syndrome.

Total award: £8,570

To Dr J Soothill, for an investigation of the mechanisms of the resistance of mucoid biofilms of *P. aeruginosa* to antibiotics and of approaches to their elimination.

Total award: £4,786

#### Medic-Aid Ltd

To Dr C Wallis, Miss J Burton, Miss E Tannenbaum, Miss A Prasad, Mr R Marsden (Medic-Aid Ltd) and Miss M Dodd (Wythenshawe Hospital), an award for an international multi-centre randomised parallel study comparing delivery systems for aerosolised medication at home in patients with

cystic fibrosis.

Total award: £2,000

#### Medical Research Council

To Dr M L Newell and Professor C Peckham, an award for a European collaborative study on children born to HIV infected mothers.

Total award: £358,694

To Dr J Soothill, an award of a strategic grant for an investigation of the potential of bacteriophage for the treatment of staphylococcal infection.

Total award: £80,008

#### Ministry of Agriculture, Fisheries & Food

To Dr J Hourihane, Dr J Harper, Professor R Callard and Professor S Strobel, an award for an investigation of immune responses to food allergens in individuals with a clinical spectrum of sensitivity to different foods.

Total award: £116,454

#### Parkinson's Disease Society

To Professor D Latchman, an award of a PhD Studentship for a study of the role of ubiquitin carboxyterminal hydrolase in Parkinson's Disease.

Total award: £60,000

#### United Nations Disability Fund

To Dr S Wirz and Mr S Dube, an award for the development of a low-cost tool to identify hearing loss in young children in Binga District, Zimbabwe.

Total award: £31,184

#### Wellcome Trust

To Dr C Power and Professor G Davy-Smith (Bristol University), an award for a study of intergenerational and lifecourse influences on health and mortality risk.

Total award: £268,185

To Dr T Hesketh, Professor A Tomkins, Dr D Cubitt and Professor W Zhi (Zhejiang University), an award of a fellowship for the assessment of reproductive health epidemiology in China using the premarital health examination.

Total award: £331,342

#### In the news...

Professor Annette Karmiloff-Smith and the Institute featured heavily in a programme *The baby brain* broadcast on BBC Radio Four. This was everything intelligent science programming should be: accessible, interesting and accurate. Professor Karmiloff-Smith discussed number perception in infants, which might be heightened by playing sounds in the womb. She hopes to run a project with Down's Syndrome children to see if their number impairment in infancy can be remedied by foetal stimulation. She also reported research that infants have the ability to understand

simple grammar like word order, long before they can produce any grammar themselves. Fascinating infancy testing techniques are now available and are being used in the NDU's infant lab at the Wolfson Centre.

*What makes a good science story?* Here I think two things come together. Firstly, a problem which can be simply stated to the lay person, and which connects with their everyday experience: every parent has some interest in how their child develops. Secondly, research which throws light on this problem, even to the lay person.

*Stephen Cox, Chief Press Officer, Press Office x5974*

# Diary of Events — May 2000

## WEEK 1

### Tuesday 2 May 2000

- 13.00 **Surgery Unit – Journal Club**  
Seminar Room, 4th Floor, NICU, VCB, GOS
- 13.00 **Lunchtime Clinical Meeting – Ophthalmology**  
GOS Hospital Lecture Theatre
- 13.00 **Infection & Immunity Theme Seminar**  
*Adoptive Immunotherapy for the Treatment of CMV in Bone Marrow Transplantation*  
– Dr S Mackinnon, Dpt of Haematology, UCL  
Seminar Room, Level 7, Cardiac Wing
- 14.30 **Nephrourology Academic Meeting**  
*Renal Biopsy* – Professor R Risdon, Histopathology, GOS  
*Audit Peritoneal Dialysis* – Sister M Scanes, GOS  
Seminar Room, Renal Unit, Level 8, Southwood Bld, GOS

### Wednesday 3 May 2000

- 08.30 **Orthopaedic Clinical Meeting**  
Clarence Ward, GOS
- 09.30 **Molecular Immunology Unit – Journal Club**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Clinical Case Presentation – Paediatrics/Nephrology**  
GOS Hospital Lecture Theatre
- 14.15 **Neurology Clinical and Academic Meeting**  
GOS Hospital Lecture Theatre
- 15.15 **Neurosciences Theme Seminar**  
GOS Hospital Lecture Theatre
- 17.00 **Surgery Unit Seminar**  
*The Helix in the Portal Vein and the Effect of Arterialization on Reperfusion Injury* – Dr S Van As, GOS  
Room B, Level 2, Wellcome Trust Building, ICH

### Thursday 4 May 2000

- 08.30 **Ophthalmology Seminar**  
GOS Hospital Lecture Theatre
- 09.30 **Immunobiology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Immunology/Infectious Diseases Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Surgery Meeting – Clinical**  
GOS Hospital Lecture Theatre
- 13.00 **MRCP Part II Teaching for SHOs – Infectious Diseases**  
PICU Seminar Room, GOS
- 14.00 **Behavioural Sciences Unit Seminar**  
*The Phonological Awareness Skills of Deaf Children with Cochlear Implants* – Deborah Unthank, GOS  
Board Room, ICH
- 16.00 **Host Defence Meeting – Audit**  
Robin Seminar Room, 5th Level, VCB, GOS

### Friday 5 May 2000

- 08.30 **Nephro-Urol-Radiology Meeting**  
Radiology Seminar Room, GOS

- 09.15 **Biochemical & Nutritional Sciences Theme Seminar**  
*Genetics Determinants of Infection and Atopy in the ALSPAC Cohort* – Dr R Hamvas, BEM Unit, ICH  
Room A, Level 2, Wellcome Trust Building, ICH
- 09.30 **Developmental Biology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 12.00 **Urodynamics Meeting**  
Urodynamics Sem Room, 7th Floor, Southwood Bld, GOS
- 13.00 **Paediatric Orthopaedics Seminar**  
Seminar Room, Surgery Unit, ICH
- 13.00 **Genes, Development & Disease Theme**  
*Genomics and Drug Discovery* – Dr A Williamson, ICH  
Seminar Room, Level 7, Cardiac Wing, ICH
- 14.00 **Cardiac Unit Seminar**  
*Audit* – Mr V Tsang, Cardiothoracic, GOS  
*Atrioventricular Valvar Atresia*  
– Professor R H Anderson, Cardiothoracic, GOS  
Cardiac Conference Room, Ground Floor, GOS

## WEEK 2

### Monday 8 May 2000

- 08.30 **Urology Meeting – Multidisciplinary Audit Meeting**  
Nephro-Urology Sem Room, 8th Floor, Southwood Bld, GOS
- 09.30 **Molecular Immunology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Monday Staff Conference**  
*Haematopoietic Stem Cells – Their Origins & Their Tumours* – Professor T Green  
Department of Haem, University of Cambridge  
GOS Hospital Lecture Theatre

### Tuesday 9 May 2000

- 13.00 **Surgery Unit – Journal Club**  
Seminar Room, 4th Floor, NICU, VCB, GOS
- 13.00 **Lunchtime Clinical Meeting – Urology**  
GOS Hospital Lecture Theatre
- 13.00 **Infection & Immunity Theme Seminar**  
*The Role of Virus-Specific CD8 Cells in Liver Damage and Virus Control in HBV Infection*  
– Dr A Bertoletti, Institute of Hepatology, UCL  
Seminar Room, Level 7, Cardiac Wing, ICH
- 14.30 **Nephrourology Academic Meeting**  
*Journal Club* – Dr S Haq, Nephrourology Unit, ICH  
*Research* – Dr Abeyagunawardena, GOS  
*Pseudohypoparathyroidism*  
– Dr L Wilson, Clinical Genetics, ICH  
Seminar Room, Renal Unit, Level 8, Southwood Bld, GOS

### Wednesday 10 May 2000

- 08.30 **Orthopaedic Clinical Meeting**  
Clarence Ward, GOS
- 09.30 **Molecular Immunology Unit – Journal Club**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Clinical Case Presentation – Surgery/Rheumatology**  
GOS Hospital Lecture Theatre

# Diary of Events — continued

- 14.15 **Neurology Clinical and Academic Meeting**  
GOS Hospital Lecture Theatre
- 15.15 **Neurosciences Theme Seminar**  
GOS Hospital Lecture Theatre
- 17.00 **Surgery Unit Seminar**  
– *Speaker & Title tbc*  
Room B, Level 2, Wellcome Trust Building, ICH
- 17.00 **Neurosciences & Mental Health Theme Seminar**  
*Enigma Variations: Veins of Galen Malformations*  
– Dr W Taylor, Consultant Neurologist, National Hospital for Neurology & Neurosurgery, London  
Seminar Room, Level 7, Cardiac Wing, ICH

## Thursday 11 May 2000

- 08.30 **Ophthalmology Seminar**  
GOS Hospital Lecture Theatre
- 09.30 **Immunobiology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 10.30 **Neurological Pathology Meeting**  
Room P3.005, Camelia Botnar Building, GOS
- 13.00 **Surgery Meeting – Clinical**  
GOS Hospital Lecture Theatre
- 13.00 **Immunology/Infectious Diseases Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **MRCP Part II Teaching for SHO's – Immunology**  
PICU Seminar Room, GOS
- 16.00 **Host Defence Meeting**  
– *Speaker & Title tbc*  
Robin Seminar Room, 5th Level, VCB, GOS

## Friday 12 May 2000

- 08.30 **Nephro-Urol-Radiology Meeting**  
Radiology Seminar Room, GOS
- 09.15 **Biochemical & Nutritional Sciences Theme Seminar**  
*Measuring Body Composition*  
– Dr J Wells, Childhood Nutrition Research Centre, ICH  
Room A, Level 2, Wellcome Trust Building, ICH
- 09.30 **Developmental Biology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 12.00 **Urodynamics Meeting**  
Urodynamics Sem Room, 7th Floor, Southwood Bld, GOS
- 13.00 **Paediatric Orthopaedics Seminar**  
Seminar Room, Surgery Unit, ICH
- 13.00 **Genes, Development & Disease Theme**  
*Modulation of Apoptosis in Cardiomyocytes Exposed to Ischaemia Reperfusion*  
– Dr A Stephanou, Medical Molecular Biology Unit, ICH  
Seminar Room, Level 7, Cardiac Wing, ICH
- 14.00 **Cardiac Unit Seminar**  
*Pulmonary Hypertension*  
– Dr D Penny, Cardiac Unit, ICH  
*Double Inlet - Diagnosis & Treatment*  
– Dr I Sullivan/Mr V Tsang, Cardiac Unit, ICH  
Cardiac Conference Room, Ground Floor, GOS

## WEEK 3

### Monday 15 May 2000

- 08.30 **Urology Meeting**  
*Understanding Digital Imaging*  
Nephro-Urology Sem Room, 8th Floor, Southwood Bld, GOS
- 09.30 **Molecular Immunology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Monday Staff Conference**  
*Replicative Senescence and Cellular Immortalisation*  
– Dr A Carnero, Wolfson Inst for Biomedical Research, UCL  
GOS Hospital Lecture Theatre

### Tuesday 16 May 2000

- 13.00 **Surgery Unit – Journal Club**  
Seminar Room, 4th Floor, NICU, VCB, GOS
- 13.00 **Lunchtime Clinical Meeting – PICU**  
GOS Hospital Lecture Theatre
- 13.00 **Infection & Immunity Theme Seminar**  
*Childhood Hepatitis C: Clinical and Pathogenetic Aspects* – Prof G Dusheiko, Dpt of Med, Royal Free Hsp  
Seminar Room, Level 7, Cardiac Wing, ICH

### Wednesday 17 May 2000

- 08.30 **Orthopaedic Clinical Meeting**  
Clarence Ward, GOS
- 09.30 **Molecular Immunology Unit – Journal Club**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Clinical Case Presentation**  
– *Neurology/Adolescent Medicine*  
GOS Hospital Lecture Theatre
- 14.15 **Neurology Clinical and Academic Meeting**  
GOS Hospital Lecture Theatre
- 15.15 **Neurosciences Theme Seminar**  
GOS Hospital Lecture Theatre
- 16.30 **Developmental Cognitive Neuroscience Unit Seminar**  
*The Use of EEG in Diagnosis & Management of Children with Epilepsy* – Dr S Boyd, Clinical Neurophysiology, GOS  
Seminar room (G29), The Wolfson Centre
- 17.00 **Surgery Unit Seminar – Speaker & Title tbc**  
Room B, Level 2, Wellcome Trust Building, ICH

### Thursday 18 May 2000

- 08.30 **Ophthalmology Seminar**  
GOS Hospital Lecture Theatre
- 09.30 **Immunobiology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH
- 13.00 **Surgery Meeting – Clinical**  
GOS Hospital Lecture Theatre
- 13.00 **MRCP Part II Teaching for SHO's – Dermatology**  
PICU Seminar Room, GOS
- 14.00 **Behavioural Sciences Unit Seminar**  
– *Speaker & Title tbc*  
Lower Ground Seminar Room, ICH

# Diary of Events — continued

16.00 **Host Defence Meeting – Speaker & Title tbc**  
Robin Seminar Room, 5th Level, VCB, GOS

## Friday 19 May 2000

08.30 **Nephro-Urol-Radiology Meeting**  
Radiology Seminar Room, GOS

09.15 **Biochemical & Nutritional Sciences Theme Seminar**  
*Sub-Clinical Mastitis & HIV* – Dr S Filteau, CICH, ICH  
Room A, Level 2, Wellcome Trust Building, ICH

09.30 **Developmental Biology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH

11.00 **The Lung in Childhood – The Basics**  
*Lung Inflammation in Pre-School Wheeze and Asthma*  
– Donald Payne  
*Lung Inflammation in CF* – Ian Balfour-Lynn  
Room A, Level 2, Wellcome Trust Building, ICH

12.00 **Urodynamics Meeting**  
Urodynamics Sem Room, 7th Floor, Southwood Bld, GOS

13.00 **Paediatric Orthopaedics Seminar**  
Seminar Room, Surgery Unit, ICH

13.00 **Genes, Development & Disease Theme**  
*New Developments in the Angiopoietin/Tie Story*  
– Dr S Laughna, Southwestern Medical Center,  
University of Texas, USA  
Seminar Room, Level 7, Cardiac Wing, ICH

14.00 **Cardiac Unit Seminar**  
*1½ Ventricular Repair – Rational & Results*  
– Dr D Sidi, Paris, France  
*Congenitally Corrected Transposition – Morphology*  
– Professor R H Anderson, Cardiac Unit, ICH  
Cardiac Conference Room, Ground Floor, GOS

## WEEK 4

## Monday 22 May 2000

08.30 **Urology Meeting**  
*Current Management of Pelvic Rhabdomyosarcoma*  
Nephro-Urology Sem Room, 8th Floor, Southwood Bld, GOS

09.30 **Molecular Immunology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH

13.00 **Monday Staff Conference**  
*Rho GTPase Functions in Cell Cycle Progression and Apoptosis* – Dr M Olson, Inst of Cancer Research, London  
GOS Hospital Lecture Theatre

## Tuesday 23 May 2000

13.00 **Surgery Unit – Journal Club**  
Seminar Room, 4th Floor, NICU, VCB, GOS

13.00 **Lunchtime Clinical Meeting – Plastic Surgery**  
GOS Hospital Lecture Theatre

13.00 **Infection & Immunity Theme Seminar**  
*Bacteriophages in Medicine* – Dr J Soothill, GOS  
Seminar Room, Level 7, Cardiac Wing, ICH

14.30 **Nephrourology Academic Meeting**  
*Journal Club* – Dr R Coward, Nephrology Unit, GOS

*Research* – Dr S Madden, Psychological Medicine, GOS  
*Immunotherapy for Renal Transplantation*  
– Dr N Solomons, GOS  
Seminar Room, Renal Unit, Level 8, Southwood Bld, GOS

## Wednesday 24 May 2000

08.30 **Orthopaedic Clinical Meeting**  
Clarence Ward, GOS

09.30 **Molecular Immunology Unit – Journal Club**  
Seminar Room, Level 7, Cardiac Wing, ICH

13.00 **Clinical Case Presentation**  
– *Orthopaedics/Endocrinology*  
GOS Hospital Lecture Theatre

14.15 **Neurology Clinical and Academic Meeting**  
GOS Hospital Lecture Theatre

15.15 **Neurosciences Theme Seminar**  
GOS Hospital Lecture Theatre

17.00 **Surgery Unit Seminar – Speaker & Title tbc**  
Room B, Level 2, Wellcome Trust Building, ICH

## Thursday 25 May 2000

08.30 **Ophthalmology Seminar**  
GOS Hospital Lecture Theatre

09.30 **Immunobiology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH

10.30 **Neurological Pathology Meeting**  
Room P3.005, Camelia Botnar Building, GOS

13.00 **Surgery Meeting – Clinical**  
GOS Hospital Lecture Theatre

13.00 **MRCP Part II Teaching for SHO's – Renal**  
PICU Seminar Room, GOS

13.00 **Immunology/Infectious Diseases Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH

14.00 **Behavioural Sciences Unit Seminar**  
*Where Does the Water Go When the Bath Overflows?*  
*Methods for Studying Blind Children's Understanding of Familiar Space* – Vicky Lewis, Open University  
Board Room, ICH

16.00 **Host Defence Meeting – Speaker & Title tbc**  
Robin Seminar Room, 5th Level, VCB, GOS

## Friday 26 May 2000

08.30 **Nephro-Urol-Radiology Meeting**  
Radiology Seminar Room, GOS

09.15 **Biochemical & Nutritional Sciences Theme Seminar**  
*Title tbc* – Dr J Farrar, Childhood Nut Res Centre, ICH  
Room A, Level 2, Wellcome Trust Building, ICH

09.30 **Developmental Biology Unit Lab Meeting**  
Seminar Room, Level 7, Cardiac Wing, ICH

12.00 **Urodynamics Meeting**  
Urodynamics Sem Room, 7th Floor, Southwood Bld, GOS

13.00 **Paediatric Orthopaedics Seminar**  
Seminar Room, Surgery Unit, ICH

13.00 **Genes, Development & Disease Theme**

# Diary of Events — continued

## *Functional Evidence for TGF-beta in the Pathogenesis of Human Kidney Malformations*

– Dr P Winyard, Nephrourology Unit, ICH  
Seminar Room, Level 7, Cardiac Wing, ICH

14.00 **Cardiac Unit Seminar – Case Review Conference**

### *Diagnosis of AV Valvar Atresia*

– Dr R Yates, Cardiac Unit, ICH  
Cardiac Conference Room, Ground Floor, GOS

## Tuesday 30 May 2000

13.00 **Surgery Unit – Journal Club**

Seminar Room, 4th Floor, NICU, VCB, GOS

13.00 **Lunchtime Clinical Meeting – Radiology**

GOS Hospital Lecture Theatre

13.00 **Infection & Immunity Theme Seminar**

*The Evolution of the Complement System* – Dr A Dodds,  
Dpt of Biochemistry, MRC Immunochemistry Unit, Oxford  
Seminar Room, Level 7, Cardiac Wing, ICH

## Wednesday 31 May 2000

08.30 **Orthopaedic Clinical Meeting**

Clarence Ward, GOS

09.30 **Molecular Immunology Unit – Journal Club**

Seminar Room, Level 7, Cardiac Wing, ICH

## GRAND ROUND – Genes, Development and Disease

12.30 **Poster Exhibition & Lunch**

GOS Hospital Lecture Theatre

14.15 **Neurology Clinical and Academic Meeting**

GOS Hospital Lecture Theatre

15.15 **Neurosciences Theme Seminar**

GOS Hospital Lecture Theatre

16.30 **Developmental Cognitive Neuroscience Unit Seminar**

*Title tbc* – Dr T Baldeweg, Developmental Cognitive  
Neuroscience Unit, ICH

Seminar room (G29), The Wolfson Centre

17.00 **Surgery Unit Seminar**

– *Speaker & Title tbc*

Room B, Level 2, Wellcome Trust Building, ICH

A number of short courses in paediatrics and related disciplines are organised by the Courses and Conferences Office. To receive further details of the courses programme, contact the Courses and Conferences Office on extensions 8692 or 8394, or call in at the office on the Lower Ground Floor of the Institute, near to the Winter Garden.

# NOTICEBOARD

## Arthritis Research Campaign

The Campaign supports research into arthritis and related conditions. Applications are now invited for postdoctoral research fellowships; deadline **10 May 2000**. Further info and application forms are available from the ARC website [www.arc.org.uk/research/dhome.htm](http://www.arc.org.uk/research/dhome.htm)

## Bogue Research Fellowships

Applications are invited for Bogue Research Fellowships, which are intended to enable UCL postgraduate students and junior postdoctoral researchers in the biomedical sciences to carry out research for short periods in a laboratory or laboratories in the USA or Canada. The Fellowships are provided primarily for the purpose of enriching and developing the research careers of the Fellows. Under the terms of the legacy those working in the areas of Clinical Medicine and Psychiatry cannot be considered for Fellowships, but individuals carrying out laboratory research in clinical departments are eligible.

The deadline for receipt of second round applications is **26 May 2000**, with decisions announced by the end of June.

Further details and application forms should be obtained from Elizabeth Inglis (x2200, email [e.inglis@ucl.ac.uk](mailto:e.inglis@ucl.ac.uk)), secretary to the Dean of the Faculty of Life Sciences (Professor A R Lieberman).

## Cancer Research Campaign

The CRC invites application for three-year project grants in any area of basic, translational or pre-clinical research. Applications will be judged on the basis of scientific excellence, innovation and relevance to cancer research. The next deadline is **23 June 2000** for

consideration at the October 2000 meeting of the Grants Committee.

For further information and an application pack, please contact Emma Newman or Nicola Bedford at [projects@crc.org.uk](mailto:projects@crc.org.uk), or for download an on-line application from the CRC website [http://www.crc.org.uk/science/science\\_intro2.html](http://www.crc.org.uk/science/science_intro2.html)

## Child Health Research Appeal Trust PhD Studentships

Applications are invited for four PhD studentships to start in October 2001. For further information, see the advert on page 8 of the *Bulletin*.

## Smith and Nephew Foundation Nursing Awards

The Foundation provides nursing research scholarships and fellowships with the overall theme of 'is nursing making a difference?'. The awards are intended to provide financial support for individual nurses, midwives and health visitors undertaking research as part of a Masters or PhD programme.

Research Scholarships are aimed at MSC Students and are valued at up to £5,000, covering fees and research expenses. The Fellowships are aimed at individuals who have already started their PhD and are looking for a 1-year secondment from their posts to allow them to concentrate on research. The awards are valued to up to £30,000 to cover replacement salary costs, fees and research expenses.

The closing date is **19 May 2000**.

For further info, contact the R&D Office or visit the Foundation's website: [www.smith-nephew.com/foundation\\_nursing.htm](http://www.smith-nephew.com/foundation_nursing.htm)

## Monday Staff Conferences: Summer Term 2000

May 8	<b>Professor Tony Green</b> Department of Haematology, University of Cambridge <i>Haematopoietic stem cells — their origins and their tumours</i>
May 15	<b>Dr Amancio Carnero</b> Wolfson Institute for Biomedical Research, UCL <i>Replicative senescence and cellular immortalisation</i>
May 22	<b>Dr Michael Olson</b> Institute of Cancer Research, Fulham Road, London <i>Rho GTPase functions in cell cycle progression and apoptosis</i>
June 5	<b>Professor Andrew Copp</b> Neural Development Unit, ICH <i>How the embryo constructs a spinal cord</i>
June 12	<b>Dr Karl Peter Giese</b> Dept of Anatomy and Developmental Biology, UCL <i>CaMKII and Kv1.1 as molecular switches for learning and memory</i>
June 19	<b>Dr Asim Khwaja</b> University College Hospital <i>Survival signals for haematopoietic cells</i>
June 26	<b>Professor Sue Malcolm</b> Clinical and Molecular Genetics Unit, ICH <i>The proteolipid protein and myelin disorders in man and other model systems</i>
July 3	<b>Dr Adrian Thrasher</b> Molecular Immunology, ICH <i>Prospects for gene therapy in the millennium</i>
July 10	<b>Dr Stuart Farrow</b> Glaxo-Wellcome Medicines Research Centre, Stevenage <i>Death receptors and NF-kB activation; potential for therapeutic intervention</i>

## IT News from the ICH ISU

### Purchasing Computers from Dell

If you are considering purchasing a computer from Dell, first please reference the following Web page:

<http://www.ich.ucl.ac.uk/isunit/dellordr.htm>

This page documents in detail the ordering procedure and has links to our suggested standard machine specification. The standard specification is updated each month. If you wish to purchase a computer model other than our standard specification, it is very important that you contact the Information Systems Unit for advice before contacting Dell and before placing your order, as other configurations may not be compatible with our environment.

### Reference Manager Site Licence

UCL now holds a site licence for Reference Manager version 9.0. This licence makes the product freely available to UCL staff and students for either office or home use. The licence covers educational use only. Media (CD) and manuals are available from UCL Procurement.

For further information see:

<http://www.ich.ucl.ac.uk/isunit/purchsng.htm#software> or

<http://www.procurement.ucl.ac.uk/secure/it/software/products/refman.htm>

*Kristina Drew, Information Systems Unit*

## Staff Honours and Awards

**Tassos Stevens**, formerly a PhD student with Prof Annette Karmiloff-Smith, has just been awarded first prize in the parents and carers video category in the annual BMA video awards. His film Williams syndrome: Williams people, produced by Edible Films with the sponsorship of the Williams Syndrome Foundation UK, topped the poll of 80 entries in that category. The video also won a bronze award overall. Commenting on the video, Prof Karmiloff-Smith says "What I most liked about the video was the space it gave to Williams people themselves to express their views about their syndrome. At one point two young adults disagree with a comment I had just made as a so-called expert! The video covered both science (the genotype and cognitive phenotype) and the very human aspect of being a person with Williams syndrome from infancy to adulthood.

**Dr Shamima Rahman**, newly appointed clinical lecturer in metabolic medicine, has been awarded the Lorber prize by the Royal College of Paediatrics and Child Health. The prize goes to 'the author of the best article on any subject related to paediatrics within the last year'. The prize will be presented at the plenary session of the annual spring meeting of the RCPCH in York.

**Professor Andrew Copp** and **Professor Peter Scambler** have just been elected members of the Academy of Medical Sciences.

Our congratulations also go to **Dr F Calamante**, Radiology and Physics Unit, who has been awarded a PhD for the thesis *Diffusion and perfusion MRI and applications in cerebral ischaemia*.

## LIBRARY NEWS

### Building Work Update

At present we have no clear indication when the protective plastic sheeting can be removed from the Reading Room area, and therefore the stack retrieval service for ICH and GOS users is still in place. Items are collected at 11am and 3pm daily.

### Academic Press Electronic Journals

As we go to press, continued access to these titles beyond the end of April is still uncertain. The main reason for this ambiguity is the restrictions being imposed by the publishers, and these are still under discussion. Whatever the outcome, the details will be circulated in due course.

### OID Medline

OID Medline users in GOS will know that the initial trial ends on 31 May. From 1 June there will be at least continued access to the databases, although it seems unlikely that all the full text links will remain. We will confirm details of these arrangements as soon as possible. In the meantime, anyone wishing to register for access to OVID Medline should contact Sue Woodburn for further details.

For further information please contact **John Clarke** ([j.clarke@ich.ucl.ac.uk](mailto:j.clarke@ich.ucl.ac.uk)) or **Sue Woodburn** ([s.woodburn@ich.ucl.ac.uk](mailto:s.woodburn@ich.ucl.ac.uk)) or telephone the library on extension 2424.

## First programme grant awarded by CGD Trust is for gene therapy at ICH/GOS

**Dr Adrian Thrasher and colleagues, Professor Christine Kinnon and Dr David Goldblatt, have received the first strategic programme grant awarded by the Chronic Granulomatous Disorder Research Trust. The award – worth £270,000 – is to support the development of new therapeutic strategies for the treatment of chronic granulomatous disorder (CGD).**

CGD is a rare inherited disease that affects one class of immune cells (phagocytes) leaving patients unable to fight off bacterial and fungal infections. Patients require ongoing life-long treatment to prevent infections and currently bone marrow transplantation is the only curative treatment. There are at least four different forms of CGD of which the X-linked form (X-CGD) is the most common, accounting for two-thirds of patients. GOS is a national referral centre for the care of children with CGD and other immunodeficiencies as well as leader in research into their diagnosis and treatment.

The CGD Trust's Strategic Programme Grants form part of their Millennium Research Drive. Successful applicants had to demonstrate a coherent research strategy and collaboration with other groups. The first of these programme grants awarded to Prof Kinnon and colleagues falls into two parts. The first is for the initiation of clinical trials of gene therapy for X-CGD in collaboration with colleagues in Germany and Switzerland. The grant of £190,000 will allow the researchers to scale up procedures

already tested in the laboratory and produce the gene therapy vectors to the required clinical safety standards. The second part of the grant (£79,000) will allow researchers to investigate the causes of the gut and eye inflammation often seen in CGD patients with the aim of developing new therapies for treating these complications.

"We are very grateful to the CGD Trust for their continuing support", says Prof Kinnon. "This programme grant is particularly exciting as it will allow us to consolidate our research in this area and achieve the 'critical mass' that is so essential. We hope to establish clinical trials of gene therapy for CGD and other disorders here by the end of the year as part of the new Centre for Gene Therapy of Childhood Disease."

In addition to the programme grant, the CGD Trust have also made a separate award of over £114,000 to Drs Goldblatt and Thrasher to establish a national centralised CGD database and fund a research nurse. This project will lead to improved patient management as well as facilitating future research.

The CGD Trust raises most of its funding through the annual Jeans for Genes event which it co-founded with three other charities including the Great Ormond Street Hospital Children's Charity. Last year Jeans for Genes raised £2.3million; this year's event is on 6th October 2000. For further information on Jeans for Genes and other activities of the CGD Trust visit their website at [www.cgd.org.uk](http://www.cgd.org.uk).

### CHRAT PhD Studentships for Entry in 2001

As reported in the February issue of the *Bulletin*, the CHRAT PhD studentship scheme will be run differently this year. The deadline will be earlier and applications will be assessed by the Science Advisory Panel before being sent out for external peer review. This change is intended to improve the quality of assessed applications while reducing pressure on the external reviewers.

Four three-year PhD Studentships are now available, one of which is earmarked for a non-laboratory-based subject. Applications that involve collaboration between laboratory-based and clinical scientists are particularly welcome.

The awards are worth at least £9,250.00 tax free per annum, depending on age, with running expenses to a maximum of £3,000pa.

The studentships are available to UK students (but EU students may be considered).

The applicant should be the student's supervisor, the Head of a Unit or a senior member of staff. Last year's successful applicants will not be allowed to submit a proposal for this year's competition. Applicants with overdue final reports to an external funding body will not be considered.

Application forms and full Terms and Conditions are available from the R&D Office, ICH (ext 2637) and via the world wide web pages <http://www.ich.ucl.ac.uk/chrat.htm>

**The deadline for receipt of completed applications is 5pm on Monday 31st July.**

### Meeting Report: Overview of Paediatric Physiotherapy

Towards the end of March, the Physiotherapy Department at Great Ormond Street ran its sixth paediatric physiotherapy course at the ICH. Despite this popular annual event being scheduled at the end of the financial year, the course attracted sixty physiotherapist delegates, and a couple of paediatricians, from all over the country.

A wide range of topics were covered encompassing neurological, orthopaedic, rheumatological and respiratory conditions by physiotherapists and consultant medical staff not only from Great Ormond Street but from other centres of excellence in London, Oxford and Chailey Heritage in Sussex. Each day was designed to offer a variety of topics to encourage day delegates. Speakers were encouraged to give evidence-based lectures and discussion was encouraged throughout which made for stimulating exchanges of ideas and experience.

Although topics such as the muscular dystrophies, talipes equino-varus, scoliosis, cerebral palsy etc are perennial favourites, the organisers are always keen to introduce new topics. This year Sue Woodburn spoke on library services for paediatric physiotherapists (not everyone is so lucky as to have access to libraries such as in the excellent ICH!) which was appreciated by several members of the audience who now know all about Cochrane, CINHAL, TRIP and E-journals. Eleanor Main, Physiotherapy Research Co-ordinator at Great Ormond Street Hospital, led a discussion on research and spoke on evidence-based practice as applied to paediatric physiotherapy.

Course organisers were Michelle Wood, Jeanne Hartley and Nikki Shack.

*By Jeanne Hartley, Physiotherapy Department, GOS*