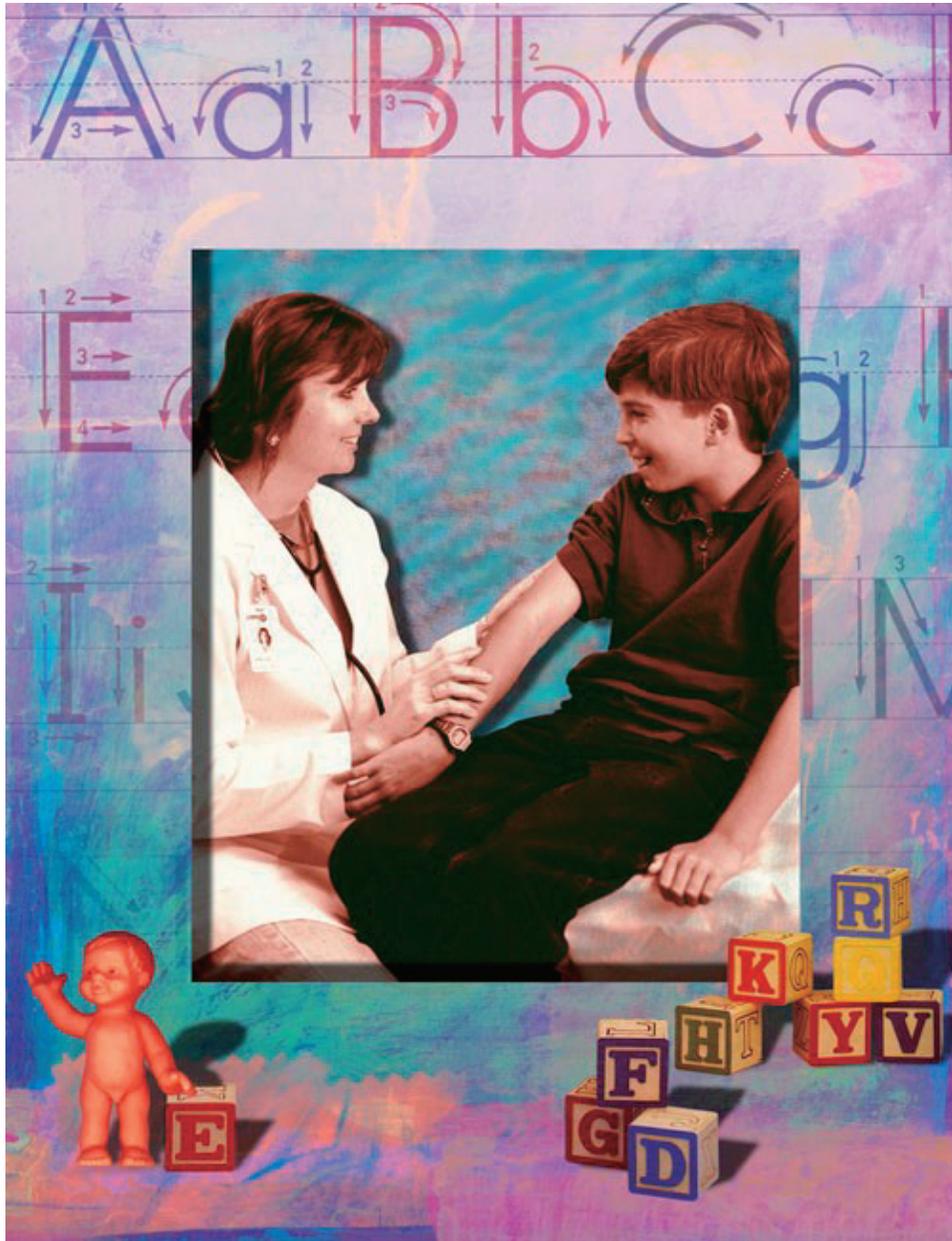




Pediagogue

[HTTP://WWW.PEDIATRICS.MED.UBC.CA/](http://www.pediatrics.med.ubc.ca/)

ISSUE NUMBER 3 FALL 2005



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Department Head's Message



Dr. Bob Armstrong

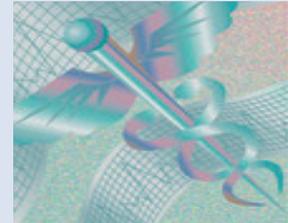
Organizational clarity is coming! A little slow but it is happening. Divisions are a central consideration in the changes that will occur and are the integrators of our clinical and academic focus around patients and their families. They have the mandate to examine issues of prevention, promotion, and best clinical practice for these patient groups. It is a step forward to have divisions formally located within the hospital structure as they have been in the university structure. Further clarity will come as we review and update roles, authority and accountabilities. Two search committees have been established to fill two important education leadership roles in the department. For the first time we are creating a distinct position of Associate Head, Education. This individual will take on overall leadership of our education mandate with particular focus on the challenges of expansion and improving opportunities for educational career paths for our faculty. We are looking to fill this position internally first because of both the urgent need and the need for someone with BC experience. An advertisement has been posted and distributed and I encourage you to consider this opportunity. Our second search, which will be national, is for the Director of our Residency Program. This represents a critical recruitment as we transition from Andrew Macnab, through accreditation in 2007, to a doubling of the core program and full funding of sub-specialty programs. This week those who have applied to

membership in the Research Institute will have received their official notice of membership! More or less popular with some of our faculty, what it does is provide us all with a sense of ownership and a feeling that we might just be able to influence the direction of the Institute! Actually, as I write we have learned that final funding has been secured to begin construction of the new research building (thanks to our Foundation stepping up to the plate once more). You will also soon see the benefit of the hard work of Anne Junker and Stuart Macleod in building an increased focus on clinical research, including a strong lobby for significant funding for a new Clinical Investigator Program. This activity requires an increased focus on ensuring the department benefits from this focus and we are working on a redefined position of Associate Head, Research. The Ministry of Health has agreed to commit significant funding to the rebuilding of the Children's Hospital and the relocation of Sunny Hill on the Oak Street site with the vision of a truly provincial resource. PHSA has worked hard to receive this commitment from government and once again our Foundation has been central to ensuring the success of this initiative. With government funding secured, the Foundation will now undertake the most ambitious fundraising campaign ever and they are confident of success. I am incredibly impressed with the quality and commitment of the Foundation Board of Directors and Sue Carruthers whose talents were recently recognized when she received the prestigious Si Seymour Award by the Association of Healthcare Philanthropy for lifetime achievement. I have written this entire column without mentioning the AFP but must finish with this. Division Heads along with Margaret Pendray and other staff are working incredibly hard to achieve an end of November

cont'd on page 5

The Lancet has just launched a new series of articles (1 - 4) to fill the gap in the global dialogue about disease.

It is a surprising and important gap, one that health workers and policymakers can no longer afford to ignore. The call by Kathleen Strong and colleagues for the world to set a target to reduce deaths from chronic diseases by 2% annually to prevent 36 million deaths by 2015 deserves to be added to the existing eight Millennium Development Goals (MDGs).



Please see the link below to view the articles: http://www.thelancet.com/collections/series/chronic_diseases.

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Administration News



Julie E. Cullen

Director of Administration

I was stunned to see a billboard on a Houston Texas freeway four years ago that asked: "What ever happened to personal accountability?"

I was struck by what a great question that was? I asked myself, why *do* we tend to point the finger away from ourselves rather than own up to our choices? Why do we blame others for our problems, actions and how we feel? Are we that fragile, that egotistical?

"The Question Behind the Question (QBQ)" authored by John G Miller (2001) is a unique book that looks at how we make choices and proposes that if we asked better questions we would make better decisions. He espouses that our personal accountability begins with asking "what can I do to ..." or "how can I ..." instead of "why don't they do..." or "when will they..." and to use "I" instead of "they, them, we, or you."

Never let it be said that one person cannot make an impact. Miller contends that to get to where one wants to go is to practice our accountability, discipline our thoughts and choose a way of positive contribution no matter what our role is in the organization. Is it hard to set aside or ignore frustrations? Sure, but what if there is another way to channel them so problems find solutions and better outcomes?

Using case examples, Miller challenges us to think about how we use our internal dialogue and how that directs the way in which we behave. He states that as we have control over our choices, and therefore our behaviour, we should be aware that personal accountability is the key to true success.

As for the value this way of thinking brings to an organization, should it be a core value of ours? We face changes every day but when is the last time we asked ourselves...how can I support and adapt to change?

It is a short read with practical ideas. If you are interested in reading the book, the Department has a limited number of copies.

Julie Cullen can be reached at jcullen@cw.bc.ca.

Residents' Recitation

Pediatric Chief Residents' News



Shawn George and Heidi Budden

Well, time is flying in the Chief's office, and things keep moving along. Since our last update, several things have changed.

Dr. Jennifer Druker is now Program Director. Also newly appointed, are Eva Murray, Manager, Education and Ricky Ramdhaney, Coordinator, Residency Program who are working

together with Dr. Druker. All have been doing a tremendous job supporting the residents and the new "3 year" program.

The good news continues with Dan Tsze returning from the Red Cross Hospital in Cape Town, and getting right back into the CTU. Elizabeth Grant has taken a leave of absence to take over his post in Cape Town. We have had several new additions to the program: Elan Glodjo Breger - daughter of Armansa Glodjo (R4), and former chief, Julie Milligan had her twins - Jack and Abby. Jim and Julie are at home enjoying the family.

The North Pacific Pediatrics Society's 171st conference was held at Semiahmoo, near Blaine Washington. The next conference is being held in Vancouver BC, March 16-19th and we are anticipating a good resident turn-out as British Columbia hosts the event.

Exams are coming up - with the American Boards being Oct. 31/Nov. 1 - hopefully there will not be any surprises.

New teaching rounds started on Wednesdays to replace the previous didactic lectures. They are called Focus Rounds and will be conducted by the sub-specialists (development, etc) with the CTU teams. This is to further round out the subspecialty exposure and practical application of subspecialty teaching by general pediatricians. All residents are welcome.

Until next time.....
Heidi and Shawn



Education Program Updates

Dr. Joan Fraser, MBBS, FRCPC

Review of the Year

The Undergraduate program was extremely busy over the past academic year and the hectic pace driven by change and expansion shows no signs of slowing up in the near future. Highlights in the review of 2004 - 2005 year include:

First & Second Year Program

Dr. Debbie Hewes has left the Department after three years of service as both third year teaching fellow and first and second year Clinical Skills Director for the Undergraduate Program. Dr. Hewes was a terrific asset to the program, having received three teaching awards for her performance over the past years, and will be missed by both staff and students. We hope Debbie will continue to contribute to the program as a teacher and wish her every success in her future endeavors.

Third Year Program: LMCC Results

Pediatrics was ranked 6th as against all other Canadian schools in 2004. The last 3 years have experienced a stabilizing of the Pediatrics ranking, which can be correlated to the stability of our current curriculum. The students also have a pre-LMCC course with Pediatric components and adequate study time prior to the exam.

Fourth Year Program

Year 4 has continued to be delivered in the same time period and format as in previous years. A new Committee, however, is now in place at the faculty level to revise the curricular content and instructional design elements of the fourth year program. Drs Fraser, Rothstein and Ford (Pathology) are on this committee and will be working diligently on making relevant changes. Final revisions of Year 4 may ultimately impact on the delivery of third year component of the Undergraduate Program. The committee's report is expected to be available by the spring of 2006.

Future Directions: New Teaching Fellow & Teaching Fellow Role

The Teaching Fellowship position has been re-designed into a General Academic Pediatric Fellowship, with the academic component located within the field of Medical Education. This is now a two year position. The program would like to welcome Dr. Glenn Robertson who joined us on July 1 2005 in the new position. She will be assuming many of the duties & responsibilities of the Teaching Fellow role and will also be participating the General Pediatric clinic and PACC clinics. We anticipate that Glenn will start her Masters in Education in January of 2006. We wish Glenn every success in this new position.

Accreditation Visit

The Medical School is due for an Accreditation visit in March 2006, at which time the team will be

scrutinizing the expansion plans. There will be a consultation visit in October of 2005, to help us prepare for the official visit. There is a new standard pertaining to clinical education that will have an impact on our clerkship programs. With this in mind, we will be revising our clerkship curriculum towards a case-based curriculum, which will also help us with the distribution of our programs.

Curricular Revision

Discussions over the last year centered around the use of the CLIPP cases, a web-based self-directed program based on the COMSEP curriculum, and its applications to components of the Undergraduate program. We anticipate making use of these cases as background to our Academic series. The Development tools kit, put forward by the Division of Neurology, was discussed and will probably be included in the Yr 2 clinical skills program. Currently, our first third year class of September 2005 have access to CLIPP cases, which are posted on the MEDICOL website.

Expansion Up-Date

A full 8 week pediatric pilot was successfully run with our northern partners in Prince George. Dr. Marie Hay took the lead in the development of the pilot. Another new program situated 6 students in Chilliwack for an integrated longitudinal clerkship. The successful pilot made use of the pediatricians in Abbotsford for the pediatrics component.

A full planning process is about to begin for the VFMP this Fall, as with our expanded class size; by the fall of 2006, we will require at least three new sites for clinical clerkship placements.

We anticipate a new program in at Richmond as a new Academic Pediatrician has been recruited in Richmond. The other potential sites for Pediatric programs are Lion's Gate Hospital, Royal Columbian, and Surrey hospitals. We have received expressions of interest from the Surrey pediatricians, who hope to be involved in our education programs.

In tandem with the clerkship expansion, will be further integration with the post-graduate components of the medical education continuum. We anticipate working closely to achieve more comprehensive cohesion of the programs with the new Residency Program Director, Dr. Jennifer Druker.

Dr. Joan Fraser can be reached at jfraser@cw.bc.ca.

Medical Students' Update

As the World Turns...

One new initiative in the ever-changing medical undergraduate curriculum is an elective block in the third year, or clerkship year. Traditionally, students must wait until their fourth and final year until they are allowed to explore new areas that have piqued their interest.

The new third year elective is a two week elective with a scope wide enough to allow students to explore a number of options. There is no requirement for this elective to be a clinical one, so students are

encouraged to consider research and non-clinical experiences that may be relevant to their future practices. Spending two weeks studying the Spanish language would fall under the latter category and may be extremely useful for students wishing to spend time overseas.

Students are responsible for arranging their own electives and submitting confirmation to the Faculty of Medicine. At the end of their two week elective, students are required to write a two page summary of their experience.

Discussing their goals at the onset and the impact it has had on them.

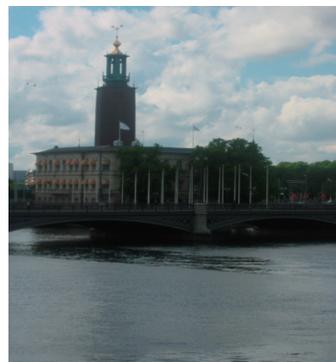
My own elective, in June, was a trip that I organized to Stockholm, Sweden. I spent two weeks working in the Infectious Disease Ward Q80 at Astrid Lindgren's Barnsjukhus at Karolinska Hospital. It was an incredible experience that I would probably not have been able to do without this two week, third-year elective. My eyes were opened to many aspects of the Swedish medical care system. I saw presentations of diseases, such as Lyme disease, which do not commonly present in BC. I learned



Astrid Lindgren's Barnsjukhus at Karolinska Hospital. One of the largest children's hospitals in Northern Europe.

a lot about the tuberculosis and diabetes programs and saw the unique presentations and populations of these that exist in Sweden. I was amazed to see that almost all patients receive daily C-reactive protein tests taken at the bedside much like a glucometer. Other lab results were similarly performed in miraculous minutes with child on parent's lap! I think in the end, the most endearing impact of this elective was for me to see that children, no matter from Canada, nor Sweden, nor perhaps elsewhere, will respond to a clinician with laughs, giggles, the occasional cry, and bright-eyed smiles.

Tommy Gerschman, Class of 2006, UBC Medicine



Stockholm's City Hall, home of the yearly Nobel Prize reception.

Department Head's Message

Cont'd from page 2

deadline for the Division reviews. As we move to truly conclude this agreement, we are linking to Bob Peterson and the Child Health Network to begin to structure and implement the pieces of the puzzle that will meet our mandate as a provincial resource. We will soon be in a better position to articulate the structure of strategic planning, priority setting, and operational efficiency for the Department. I think you will see that things are getting better! Dr. Armstrong can be reached at barmstrong@cw.bc.ca.

Emeritus Happenings

David F. Smith, MD, FRCPC

Over the past year, I have assisted Dr Rob Hill, a past UBC pediatric department head, in activities related to the regular reunions of the senior provincial pediatricians. This is not an exclusive group and meetings also include older members of affiliated departments and specialties with similar interests such as pediatric surgeons, pathologists etc. The initiative for organizing such a group came from Dr. Judy Hall along with Dr. Hill while Judy was Pediatric Department Head at UBC. Our so-called “seniors” meet twice yearly for a luncheon at the Royal Vancouver Yacht club where Dr. Hill is a member, and physicians and others come from all over the province to attend.

So how does one become a “senior”? A decision was made several years ago to initiate still active pediatricians into the group starting at age 60. Those under 65 who attend have generally found it to be a positive



Dr. Judith G. Hall



Dr. Robert Hill at Dept. of Pediatrics Fall Reception 2005

experience and have continued to attend whenever possible. Others, frequently due to work demands on a Friday, the day of the luncheon, may not begin to attend until retirement actually sets in.

Why have a senior’s group? One reason is the desire of retired members to keep relatively up-to-date on those activities in which they spent a large part of their working lives. One does not lose curiosity with retirement and an update on both Children’s Hospital and UBC activities is provided at the end of the luncheon. Another reason is an opportunity to both see and share experiences with other work colleagues, many of whom became close friends during years of mutual support on the job. Each luncheon provides an overview and correspondence from those who are not able to attend, so the input regularly exceeds the numbers actually attending.

The senior group has over 100 members on the mailing list. It is a large and relatively untapped resource and collectively it holds the historical records of pediatric practice and medical times dating back over more than 50 years. More than one wise sage has that “If we don’t know our history, we are bound to make the

same mistakes again!”

If a senior needs an added incentive to attend, the food at the Yacht club is really very good and the May and November luncheons provide a most enjoyable experience.

The next lunch will take place on November 18th, 2005 at the Royal Vancouver Yacht Club.

David F. Smith , M.D.

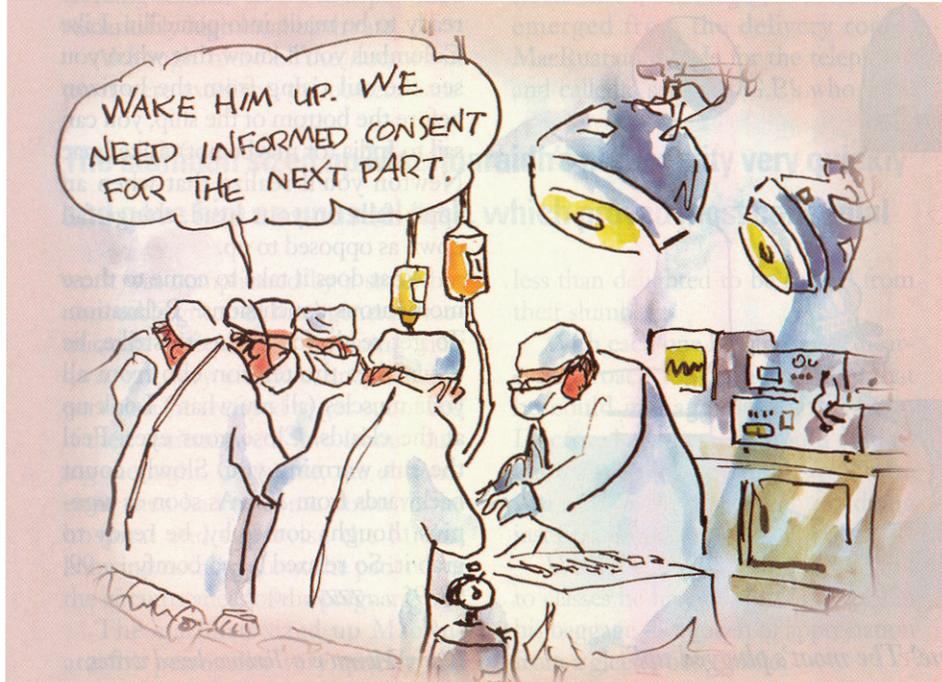


Royal Vancouver Yacht Club



Wednesday 2005 October 26 04:10 PM

Pediagogue Humour



From "Stitches", Fall 2005



And how was your day?

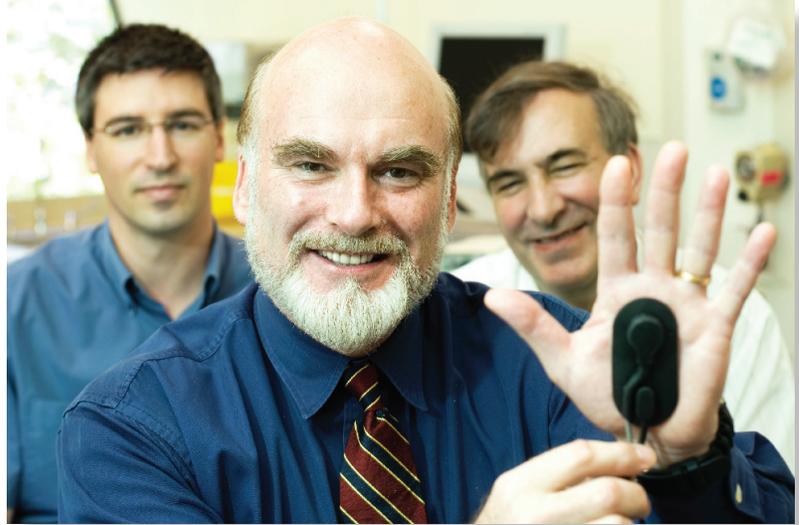
Innovators - "Commerce or Academia"

Dr. Andrew Macnab, MBBS, MD

Since the research program planned for my sabbatical was featured in UBC Reports and put on the Faculty of Medicine website, a number of people have asked why I have opted for a commercial research agreement, rather than conventional grant funding.

The commercial option became available after UBC chose to patent the new application for near-infrared technology developed by my team, which allows bladder dysfunction to be evaluated non-invasively. In the past, when our team received competitive grant funding we shared our findings via the conventional route of peer reviewed publications, whether these were significant advances in experimental techniques for the near-infrared technology, or options to improve clinical care. In a clinical context our most important findings were from studies done jointly with Anesthesia and Cardiac Surgery, that show that near-infrared monitoring during open heart surgery enables brain blood flow to be optimized, thereby avoiding both ischemia and excessive perfusion of the brain. In fact, based on our data, and the work of other investigators in the same area, near-infrared monitoring of the brain has been called for as the standard of care during open heart surgery using cardiac by-pass.

However, to date such monitoring is not in widespread use. In contrast, our publications have sparked significant commercial interest. Since these published reports include all the necessary methodology for the experiments to be replicated, and this information is now in the public domain, any company



UILO Manager Brad Wheeler (l), Dr. Andrew Macnab (center) and co-inventor Roy Gagnon (r) Photo courtesy Martin Dee

wishing to develop a commercial product based on this research is able to do so. The major problem is that working independently of the University and the primary researchers the time that elapses before a product is available that benefits patients can be protracted. One cardiac bypass pump manufacturer is actively developing a servo control unit for their pumps that utilizes a cerebral near-infrared sensor to optimize flow, but six to eight years are likely to elapse between the research being done and the arrival of a definitive clinical tool and its widespread use in the operating room.

In contrast, following patenting and commercialization of our new invention through the sale of an intellectual property license by the UBC University-Industry Liaison Office (UILO), our team's work has achieved far greater momentum. Engineers and software programmers are actively collaborating with us now, CIHR proof of principle funding has been obtained, plus we have a commercial research agreement that aims to have prototype diagnostic machines in the hands of urologists in about two years. Importantly UBC's commercialization agreements ensure that our option and obligation as researchers to publish remains, and that we can do this free of any industrial influence. This independence and the speed with which urologists and their patients will benefit from having a non-invasive and more physiological process available for diagnosing bladder dysfunction, represents a significant benefit. In addition, the University, the Department of Pediatrics, and the members of my team will be eligible for royalties from this device, and the other related near-infrared device we envision will result from our patents.

Dr. Andrew Macnab can be reached at amacnab@cw.bc.ca.

Academic Spotlight

cont'd from p. 11

key part of national preparedness for a pandemic. Tobias Kollmann received two grants from the NIH as co-investigator to study neonatal immunity and vaccination. David Speert was appointed to chair the CIHR Microbiology and Infectious Diseases grants committee and to sit on the CIHR Institute for Infection and Immunity, Institute Advisory Board.

DCF 987, a drug to prevent or treat lung infections in patients with cystic fibrosis, developed in David Speert's laboratory completed Phase II human clinical testing and its further development has been licensed to Align Pharmaceuticals in Cary, North Carolina.

Finally, the program in immunology (Stuart Turvey and Anne Junker) has been honoured by receiving recognition as a Jeffrey Modell Immune Deficiency Reference Centre.

Dr. David Speert can be reached at dspeert@cw.bc.ca.



Getty Images

Conferences, Events and Workshops

November 2, 2005, Canadian Association for Adolescent Health, 2005 Annual Conference Canadian/USA CME Accredited. The Hospital for Sick Children, Toronto, Ontario Tel.: (416) 813-8122; E-mail: brenda.rau@sickkids.ca

November 3 - 4, 2005, From Research into Practice. A Conference for Learning Disabilities for Educators, Practitioners, Parents and Researchers. Metro Toronto Convention Centre. Tel.: (416) 226-9756; E-mail: mggoebel@interlog.com. Web: www.frip2005.ca

November 6 - 9, 2005, 12th Annual Canadian Conference on International Health Ottawa, Ontario - Crowne Plaza Hotel. "Your Money or Your Life: Health in the Global Economy" Tel: 613-241-5785 ext. 326, E-mail: conference@csih.org. Web: <http://www.csih.org/what/conferences2005.html>.

November 9, 2005, 15:00 - 17:00 ; Documenting your Teaching Contribution. VGH, 855 West 10th Ave., 3rd Floor, Faculty Development Library; Presented by Dr. David Fairholm and Dr. Steven Pelech. For information on preparing a teaching dossier, visit: www.tag.ubc.ca. For registration information, visit: <http://www.facdev.med.ubc.ca>. Registration code: 318

November 9 - 11, 2005 Pediatric Advanced Life Support (PALS Provider Course), Montreal Children's Hospital (MUHC Delta Centre-Ville Hotel (TBC) Montreal, Quebec. Tel.: (514) 481-7408 ext. 228, E-mail: edscourses@odon.ca; Web: www.pedscourses-mch-mcgill.ca

November 16 - 20, 2005 - 3rd International Congress on Developmental Origins of Health & Disease (DOHaD). The International Society for Developmental Origins of Health & Disease. The Westin Harbour Castle, Toronto, Ontario. Web: <http://www.dohadsoc.org/home.htm>.

November 17 - 19, 2005 3rd Annual World Congress on Insulin Resistance Syndrome. International Committee for Insulin Resistance, San Francisco, California Tel.: (415) 512-1111; E-mail: insulinresistance@pacbell.net. Web: www.insulinresistance.us.

February 17, 2006 - Recognition/Retirement Dinner; Dr. Judy Hall, Dr. Alan Hill, Dr. Margaret Pendray, Dr. David Smith, Sheraton Wall Centre, 1088 Burrard Street, Vancouver, BC.



Clinical Spotlight Endocrinology

Dr Jean-Pierre Chanoine, MD, Head, Division of Endocrinology

By Dr. Dan Metzger, MD

The UBC Division of Endocrinology is a group of six attending physicians: Drs. Jean-Pierre Chanoine, Laura Stewart, Dan Metzger, Ralph Rothstein, Dina Panagiotopoulos and Sue Stock. Working with us are two Clinical Fellows, Drs. Elaine Tham and Kathleen De Waele and a team of about nine full and part-time Nurses, two Dietitians, a Social Worker and five administrative staff. At any given time, the Endocrinology & Diabetes Unit actively follows approximately 1000 infants, children and teens with diabetes and an additional 2000 patients with other endocrine disorders. The majority of our patient case load comes through our Endocrine (~ 3,000 visits/year and Diabetes (~ 1,800 visits/year) Clinics, while children who are newly diagnosed with diabetes (~ 100/year) and those beginning insulin pump therapy (~ 50/year) are managed in the Diabetes Day Program on the Medical Day Unit. Dynamic endocrine testing takes place in the Metabolic Investigation Facility, as well as on the MDU.

Division members are quite active with academic teaching. Drs. Stewart and Panagiotopoulos are weekly chairs for the third-year medical student curriculum. The Division's dedication to teaching has been acknowledged by our residents with the Most Valued Teaching Service Award twice during the last three years. Dr. Ralph Rothstein is chair of the UBC Phase V undergraduate Committee and directs the Department's Phase V program.

The Division maintains an active web site with over 150 handouts for families and professionals.

Division faculty and trainees are actively pursuing research at both the basic science and clinical levels. Dr. Chanoine's laboratory is developing an animal model of gestational diabetes to study the effect of pre-and post-weaning nutrition on ghrelin metabolism, and ghrelin's potential role in the development of obesity and glucose intolerance in the offspring of pregnant rats with gestational diabetes. Clinical projects aim at elucidating the respective roles of hyperglycemia, hyperinsulinism and insulin resistance on maternal plasma ghrelin concentrations. In addition, Drs. Chanoine and Stock have recently been awarded a \$750,000 grant to implement a curriculum for BC schools to provide education around healthy, active lifestyles and the prevention of overweight children (Healthy Living: Children Teaching Children to Go Move, Go Fuel and Go Feel Good). Dr. Panagiotopoulos, working in collaboration with Dr. Rusung Tan and the Barbara David Center for Childhood Diabetes in Denver, is recruiting over 400 patients with new-onset type 1 diabetes and 250 of their first-degree relatives to

identify beta-cell specific peptide epitopes recognized by killer T cells mediating this disease. As well, they are studying the role of natural killer cells in the pathogenesis of type 1 diabetes. Dr. Panagiotopoulos and Diabetes Clinical Nurse Specialist Healthier Nichol, in collaboration with the Canadian Diabetes Association, are piloting Cooking for your Life!, a cooking and nutrition education program for youth with type 2 diabetes trials (TrialNet, TRIGR, and the Type Diabetes Genetics Consortium).

The challenges facing the Division are those familiar to many other faculty members. Limited physician, nursing and dietitian resources restrict the number and frequency of patient visits that can be accommodated at BCCH, while at the same time we are also being asked to develop outreach services to other areas of the province. This issue is becoming particularly obvious in the area of type 2 diabetes, which is but one of the many serious manifestations of obesity-related disease, which itself is expected to reach epidemic proportions in the next decade.

We look forward to the Alternate Funding Program to help us begin to address these staffing issues.

Dr. Daniel Metzger can be reached at dmetzger@cw.bc.ca.



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Academic Spotlight Infectious and Immunological Diseases

Dr. David Speert, MD, FRCPC Division Head

The academic year 2004-5 has been an important one, filled with exciting developments for the Division of Infectious and Immunological Diseases. Many notable events have occurred in the clinical and academic arenas.

David Scheifele, M.D., Sauder Family Chair in Pediatric Infectious Diseases, has been appointed CIHR-Wyeth Chair in Vaccine Research. This is a huge honour, as he is one of only two awardees in Canada. The chair recognizes his pioneering work in the field of vaccinology and will enable him to devote more time to his highly productive work in this critical area of child health research. The appointment leaves the Sauder chair vacant; a search will be conducted presently to fill this vacancy. Three new faculty members have been recruited to the division:

Stuart Turvey, M.D., DPhil, joined the immunology program as an Assistant Professor in August 2004 as a clinician-scientist with 75% protected time for research on innate immunity. Stuart received his MD in Australia, his DPhil in Oxford as a Rhodes Scholar and his Pediatric and Immunology/Allergy training at Boston Children's Hospital. His research is directed at identifying children with defects in Toll-like receptor signaling, a newly described class of primary immunodeficiency disorders.

Tobias Kollmann, MD, PhD has been appointed as an Assistant

Professor and joined the infectious diseases program in September 2005 as a clinician-scientist with 75% protected time for research on neonatal immunization. Tobias received his PhD at Albert Einstein College of Medicine in New York City and then did his Pediatric and Pediatric Infectious Diseases training at the University of Washington. He will continue to study the use of bacterial delivery vectors for immunizing neonatal mice with immunogens to which they would not otherwise respond. Tobias is the recipient of a Wellcome young investigatorship, a highly competitive and coveted award.

Julie Bettinger, MPH, PhD continues her work in the Vaccine Evaluation Centre after a maternity leave, and returned as an Assistant Professor in July 2005. She continues her work as the epidemiologist for the CPS Immunization Monitoring Program, Active (IMPACT) of



Deborah Henry at work in Dr. David Speert Lab

which David Scheifele is co-PI. She also directs her own research on the epidemiology of serious childhood infections, including meningococcal disease in Canada and is the epidemiologist for the Research Institute Centre for Infectious and Inflammatory Disease, of which David Speert is the

Head. The division has instituted a new program this year, a senior fellowship for Pediatricians who have completed clinical training in infectious diseases or immunology to prepare them for careers as clinician-scientists. The inaugural trainee is Susan Wootton, M.D. Susan did her Pediatric residency at the University of Virginia and her Pediatric Infectious Diseases fellowship at Baylor College of Medicine in Houston, Texas. She also spent two years at the Centers for Disease Control and Prevention as an Epidemic Intelligence Officer. She will be mentored by David Scheifele in the Vaccine Evaluation Centre where she will spend the majority of her time conducting research.

During the past year, **Jack Forbes, MBChB, FRCPC**, spent a highly productive sabbatical in Zimbabwe. Using the skills and model he has developed at the Oak Tree Clinic, he assisted many physicians in the development of strategies for preventing vertical transmission of HIV and treating HIV infected children in Sub-Saharan Africa.

The division had a successful year in research grants received. David Speert's CIHR operating grant was renewed for five years and his Canadian Cystic Fibrosis grant for three. The IMPACT national surveillance project, co-led by David Scheifele was renewed for 5 years by the Public Health Agency of Canada. David Scheifele was also recently invited to lead Canadian trials of an avian influenza vaccine in 2006 as a

continued on page 9

Division/Center News: Oak Tree Clinic A Year in Africa

Dr. Jack Forbes, MBChB, FRCP(C)

In September 2003 I was granted a one year sabbatical yes I have been at BCCH that long! Through my work in pediatric HIV at BCCH I knew Dr. Catherine Wilfert, the scientific director of the Elizabeth Glaser Pediatric AIDS Foundation in the US. I was offered the position of technical consultant in Zimbabwe to assist with care and treatment programs that were being established.

Since 2000, the main focus of EGPAF projects in Africa and Asia has been prevention of mother to child transmission (PMTCT). In 2004 with the availability of generic antiretroviral drugs and funding from the USA and Europe, care and treatment programs were initiated in Africa. EGPAF offers technical assistance in PMTCT to 17 countries and to pediatric treatment programs to four countries in Africa. In Zimbabwe (2003), the number of infected individuals living with HIV was estimated to be 1.8 million in a population of 12 million with the national seroprevalence of 24.6%. Each week 6,000 people die from



A Drama Group which travels to market places in Harare performing plays which portray effects of HIV in pregnancy and how Nevirapine can decrease mother to child transmission

AIDS, 432,000 are in urgent need of treatment, and 72,000 are children under the age of 15 years.

A national program in Zimbabwe was introduced in March 2004 that established 5 pilot sites in central and district hospitals to initiate therapy. By November 2004, the number of sites capable of providing therapy increased to 18. My job was to establish care and treatment programs for women and children. This was done by a contribution to the national guidelines and training programs, teaching health care professionals at the site, college and university levels, linking PMTCT to care programs, and providing technical assistance to EGPAF partners (US agencies) alongside the NGOs operating in Zimbabwe such as Medecins Sans Frontieres, Swiss AIDS Care and ISPED – France.

The World Health Organization’s global target for people to be on antiretroviral treatment by the end of 2005 is 3 million people. This “3 by 5 initiative” may not be achieved and certainly not in Zimbabwe. However, the concept is on track – set a target of mobilizing the world to urgently provide treatment as quickly and as safely to as many people as possible. The problem of treating so many people with limited resources in less than perfect health care systems may seem overwhelming, but the effort and initiative must begin somewhere and it has to start now.

There is an African saying “How do you eat an elephant? One bite at a time!” – I think the same is true for tackling AIDS in Africa.

Dr. Jack Forbes can be reached at jforbes@cw.bc.ca



Dr. Jack Forbes attending an HIV Open Day at a community centre outside Harare.



Division News Rheumatology

Dr. David Cabral, MBBS, FRCP(C), Division Head

Children attending our pediatric clinic at BCCH and our “transition” clinic at the Mary Pack Arthritis Centre (MPAC) have a variety of rheumatic diseases including juvenile idiopathic arthritis (JIA), systemic lupus erythematosus, vasculitis, dermatomyositis and scleroderma. The international reputation of our rheumatology team has in large part been because of the founding efforts of Dr. Ross Petty. A scientific symposium followed by a special dinner was convened in April 2005 as a tribute to Ross on his retirement from UBC, and to recognize his contributions to the local and international communities of pediatric rheumatology. Both events were unqualified successes, with over 100 and guests attending from across Canada, the US and 10 other countries.

Vancouver and Canada have played key roles in the evolution of our relatively new specialty. Canadian pediatric rheumatology first “took off”, when in 1979 Ross Petty was recruited to Vancouver (by Dr. Rob Hill, former department head and rheumatologist) and established Canada’s first formal training program. Subsequently, four generations of graduates and their descendants have populated the rest of Canada, establishing 8 other academic pediatric rheumatology centers and two other training centers in Toronto and Montreal where trainees from over 25 countries have studied. Canada’s international impact on clinical care and teaching is matched by Canadian pediatric rheumatology leadership in a broad scope of research in areas that include clinical observation, treatment, health services, epidemiology, and the laboratory.

This is an exciting time for pediatric rheumatology. The last few years have witnessed many advances, with international consensus on disease classification, and development of pediatric disease activity and outcome measures. There is a better understanding of the basic disease mechanisms, as well as the definition of a new pathophysiological category, the auto-inflammatory disorders, that includes diseases such as TRAPS, Familial Mediterranean Fever and PFAPA. Finally, there has been a burgeoning of effective new therapeutic agents (e.g., mycophenolate mofetil, the biologic agents infliximab and etanercept), and new applications for old agents (e.g. thalidomide). And, our patients are generally doing better!

It is also an exciting time for our Division. Over the last two years our rheumatology team has consolidated at BCCH and the therapists (PT/OT) from the MPAC now attend all BCCH clinics; we have a dedicated part-time social worker; and with funded studies, access to an interested psychologist, and dietician. Through the generosity of The BC-Yukon Arthritis Society we have employed part-time clinical research and IT/statistics associates. Dr Kristin Houghton has been appointed part-time, and brings an interest and expertise in sports medicine and health promotion. In addition to our ongoing clinical research endeavors, through funded grants we have taken a leadership role in national/ international networks, towards the establishment of collaborative registries of all patients with JIA, vasculitis and SLE. Finally, The Arthritis Society launched a fundraising campaign last year, hopefully in partnership with the Children’s Foundation and UBC, towards establishment of a basic science chair in proteomics at UBC, and a clinical research chair (The Ross Petty Chair) at BCCH.

The vision for pediatric rheumatology in British Columbia is to remain an excellent diagnostic service with timely access for children having potentially life threatening or disabling rheumatic diseases and to provide the best possible ongoing team care to children diagnosed with these diseases. Dr. David Cabral can be reached at: dcabral@cw.bc.ca.



From left to right: Dr. Ross Petty, Dr. Lori Tucker, Jacqui Page, Gay Kuchta, Brandy Lewis, Jayne Green, Dr. Peter Malleon, Leoni Adler, Dr. David Cabral, Head

Announcements

Promotions

Dr. Derek Human, Head, Division of Cardiology has been promoted to Clinical Professor effective July 1, 2005.

Appointments

Dr. Liisa Holsti, Assistant Professor, School of Rehabilitation Sciences has an associate appointment with the Department of Pediatrics for the period July 1, 2005 - June 30, 2006.

Paula J. Waters, PhD, Clinical Instructor with the Department of Pathology and Laboratory Medicine has an associated member appointment with the Department of Pediatrics for the period May 1, 2005 - June 30, 2009



Dr. Joanna Bates

Joanna Bates, M.D. has been appointed as Senior Associate Dean, Education for the Faculty of Medicine effective September 1, 2005. Dr. Bates previously held the position of Senior Associate Dean, undergraduate Medical Education. Dr. Bates is highly regarded as an innovative educator and highly capable administrator and this appointment will further enhance the Faculty of Medicine

and UBC as the leader in Health Professional Education in Canada and internationally.



Dr. Dorothy Shaw

Dorothy Shaw, M.D. has been appointed as Senior Associate Dean, Faculty Affairs for a five year term, effective September 1, 2005. Dr. Shaw has been appointed as a Clinical Professor in the Departments of Obstetrics and Gynecology and Medical Genetics, as well as Associate Dean, Gender and Equity for UBC since 2000. She is currently also the Acting Associate Vice-President of Equity for UBC. She has had a highly regarded career not only in perinatology and genetics but also in the domain of gender and equity and the implications for academic institutions in Canada and elsewhere. Dr. Shaw is the President Elect of the International Federation of Gynecology and Obstetrics (FIGO) and will become President in 2006. She will be the first woman to hold this office.



Faculty Appointments and Announcements

Julie Bettinger, MPH, PhD, continues her work in the Vaccine Evaluation Centre now Assistant Professor as of July 2005. She received her MPH and PhD from Johns Hopkins and spent two years working as an epidemiologist at the Centers for Disease Control and Prevention in Atlanta, Georgia. She continues her work as the epidemiologist for the CPS Immunization Monitoring Program, ACTIVE (IMPACT), of which David Scheifele is co-PI. She will also direct her own research on the epidemiology of serious childhood infectious disease in Canada and is the epidemiologist for the Research Institute Centre for Infectious and Inflammatory Disease, of which David Speert is the Head.

We welcome **Jan Hallows, PhD** to the position of Research Associate with the Department of Pediatrics. Dr. Hallows will be reporting directly to Dr. Inez Vincent. She will supervise and manage transgenic and knockout mouse generation and characterization, will perform molecular biology and protein techniques to study the underlying mechanisms leading to formation of neurofibrillary tangles and neurodegeneration, by using those mouse models.

Dr. Hallows received her PhD in Pharmacology in 1999 from the University of Washington, Seattle and was a postdoctoral fellow with the Department of Pathology at University of Washington from 1999-2003.

Announcements, cont'd



Dr. Geoffrey Hung

Geoffrey Hung, MD has been appointed as Clinical Assistant Professor to the Division of Emergency Medicine. He received his B.Sc. from Queen's University, in Kingston, Ontario, in 1996, and his M.D. from Queen's University in 2000. He remained in Kingston for his pediatrics residency before moving to the Montreal Children's Hospital and McGill University for his fellowship in pediatric emergency medicine, completed in June 2005. Welcome, Dr. Hung to the Department of Pediatrics.

Tobias Kollman, MD, PhD has been appointed as an Assistant Professor and joined the infectious diseases program in September 2005 as a clinician-scientist with protected time for research on neonatal immunization. Tobias received his PhD at Albert Einstein College of Medicine in New York City and then did his Pediatric and Pediatric Infectious Diseases training at the University of Washington. Tobias is the recipient of a Wellcome young investigatorship, a highly competitive and coveted award. We welcome Tobias to the Department.

Steven Miller, MD has joined the faculty at British Columbia Children's Hospital and the University of British Columbia as an Assistant Professor of Pediatrics, in the division of Neurology.



Dr. Steven Miller

Collaborating with a multidisciplinary team, his research program focuses on better understanding brain injury in the human newborn. He is specifically interested in the brain changes that underlie the motor and cognitive deficits resulting from neonatal brain injury. The long-term goal of his research program is to test new strategies to prevent brain injury in the newborn.

Dr. Miller received his MDCM degree from McGill University in 1995, remaining at McGill to train in Pediatric Neurology at the Montreal Children's Hospital. Dr. Miller joined the Neonatal Brain Disorders Center at the University of California San Francisco (UCSF) led by Dr. Donna Ferriero. While at UCSF, Dr. Miller completed a Master's degree in the Department of Epidemiology and Biostatistics. We welcome Dr. Miller to the Department of Pediatrics.

We welcome **Naomi Paice, MD** to the Department of Pediatrics, as Clinical Assistant Professor. Her specific areas of interest include medical education as well as medical errors and quality assurance. Dr. Paice received her MD from McGill University

in 2000 and after completing her Postgraduate General Pediatric residency at the University of Ottawa in 2003, she completed her General Pediatric Academic Fellowship at McGill in 2005. Dr. Paice will be working closely with the Division of General Pediatrics to create new learning and research opportunities for trainees at the undergraduate and postgraduate levels.

Kevin Park, PhD has been appointed to the position of Research Associate in the Department of Pediatrics. Dr. Park will investigate the neuromuscular junction as a site of origin of disease pathology in amyotrophic lateral sclerosis (ALS). Dr. Park will report to Dr. Inez Vincent. Dr. Park earned his PhD and MS in Molecular and Integrative Physiology from the University of Illinois at Urbana-Champaign in 2002. Welcome, Dr. Park, to the Department of Pediatrics.

The Department of Pediatrics welcomes **Jane Schaller, MD** as Visiting Professor Emeriti for a term of two years, beginning in November. Dr. Schaller is a graduate of Harvard Medical School and completed her internship and pediatric residency at the University of Washington in Seattle where she also completed her senior fellowship in immunology.

Dr. Schaller has also been appointed as Consulting Director for the Center for International Child Health and will take a lead role in supporting and facilitating interdisciplinary undergraduates, resident and faculty educational activities related to international child health. She will also facilitate the opportunity for trainees and faculty to be involved in international research projects.

Recognition, Awards & Scholarships

Children’s Hospital has been recognized as a **Jeffrey Modell Immune Deficiency Reference Centre**. Dr. Anne Junker and Dr. Stuart Turvey, of the Division of Infectious and Immunological Diseases are the Reference Centre clinical immunologists. From May 2005, this information has been posted on the Jeffrey Modell Foundation web site - <http://www.info4pi.org>. This enables patients, families and health care providers to find resources closer to home.

This year’s **Laura MacKae Award** was presented to our Fellow in Pediatric Neurology, Nigel Basheer, MD. Congratulations Dr. Basheer!

Nita Jain, MD, has been awarded the Wyeth Teacher of the Year Award. Congratulations to Dr. Jain!



Dr. Leora Kuttner

Leora Kuttner, PhD has been invited to Melbourne’s Royal Children’s Hospital on a RCH scholarship as a visiting professor. She will be working with the medical, nursing and resident staff on pediatric pain management through November and December of this year.

Department of Pediatrics Fall Reception

On Thursday, September 27th, 2005, the Department of Pediatrics held its annual Fall Reception at the University Golf Club. It was a very well-attended and successful event featuring live entertainment with the Megan Fanning band, and other interesting features. We would like to thank all who attended the reception and we look forward to repeating the occasion next year.



Megan Fanning Trio



From left to right: Mrs. Diane Blackstock, Dr. Derek Blackstock, Dr. Graham Fraser



Ice Sculptures of our logos



From left to right: Dr. Marion Coulter-Mackie, Dr. George Mackie, Dr. Stuart Macleod



Chocolate Fountain



From left to right, Mrs. Claudia Smith, Dr. David Smith, Dr. Paul Rogers