
Pathology News

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June 1999

MastHead Info

Pathology News
Department of Pathology, Richardson Labs
Queen's University, Kingston, Ontario K7L 3N6
Canada

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For article submissions please see last page

We publish only that which is submitted! (There are no expense accounts and no reporters) If there is no news about your area that means we haven't received any!

203 days until 2000 January 01



Upcoming Events

U KGH Staff Picnic Saturday June 26 at
Grass Creek Park (10:30-14:30) Pony Rides!

KGH Blood Donor Day Monday June 28th. Call 530-2224 to book an appointment.

Queen's Parking Permit renewals should have been received at your home address by now. Don't forget to renew!

For Your Information

F The results are in: the winners of "Who's that Baby" contest on Douglas 2 are Marion Rubins and Joanne McAllister, each matched all the pictures. They will split a grand total of \$5.00.

Annual Departmental Group Photo

The annual group photograph, which is taken of all senior staff, residents and summer students associated with the Department of Pathology will be on

Thursday, June 24th at 12:15 at the front doors of Richardson Labs.

Occupational Health and Safety Services

Queen's University entered into an agreement with KGH mid 1997, to have the Occupational Health and Safety Department at KGH provide medical treatment for all Queen's employees working in departments or building involved in Biohazards work. The buildings covered by the agreement are: Botterell Hall, Bio Sciences Complex, Humphrey Hall, Etherington Hall,

LaSalle Building, Richardson Laboratories, Syl and Molly Apps Wing, Physical and Health Education. The services provided by KGH include the following: assessing injured workers; providing first aid treatment as necessary; providing telephone advice as necessary; providing employee counseling as necessary in cases of needle stick injury or primate incident; dispensing of any mandatory vaccinations; and for employees of Animal Care Services, annual tuberculosis skin testing and annual testing for rabies antibody. Staff from any of the laboratories requiring these services are to directly go to KGH Occupational Health and Safety Department located in Watkins 1, KGH between the hours of 8 am and 4 pm, Monday to Friday. If an emergency occurs after hours or on weekends, staff are to report to KGH Emergency. When accessing these services, please have staff indicate that they are Queen's University employees and that they have been working in a laboratory with Biohazards present. Departments will be charged back any of the costs incurred when accessing these services. A monthly invoice is sent to Environmental Health and Safety, who in turn will inform the departments of the costs.

Congratulations

Congratulations to Kirsty Tompkins on receiving a George Christian Hoffman Fellowship.

Honouring KGH Staff

KGH Staff Recognition Committee is pleased to announce that 27 staff members have been chosen to receive Staff Recognition Awards. The award recipients will be honoured - along with all staff - at a **Staff Appreciation Strawberry Social, in the Old Cafeteria, 1999 June 17, 2:30 pm.** Please attend and extend congratulations and support to Shirley McDonald, Infection Control.

Service Milestones

30 Years

Pedro Garbe - Hematology

Brad Tooley - Autopsy Services. Brad has worked on 4,300 autopsy cases in the past 30 years.

25 Years

Shirley McDonald - Infection Control

Leona Curzon - Chemistry

Janet Boyle - Histopathology

Suzanne Torgerson - Hematology

Dr. P. Manley

20 Years

Joanne Cross & Cynthia Kendrick - Chemistry

15 Years

Carol VanLuyen - Histopathology

Frank Borgerink - Autopsy

Barb Dafoe - Infection Control

Elisa Kelly - Histopathology

10 Years

Lesley Archambault & Charlotte Campbell - Histopathology

Ana Santos Cachaco - Genetics

UNDERSTANDING COMPUTER JARGON

CPU.

Central propulsion unit. The CPU is the computer's engine. It consists of a hard drive, an interface card and a tiny spinning wheel that's powered by a running rodent - a gerbil if the machine is an old machine, a ferret if it's a Pentium and a ferret on speed if it's a Pentium II.

Positions Available

University of Colorado

Pathology Faculty Position - Technical Director of Molecular Diagnostic Laboratory

The Division of Clinical Pathology and Laboratory Medicine in the Department of Pathology at the

University of Colorado School of Medicine has a

position available for a Technical Director of the molecular diagnostics laboratory. A doctoral degree

(Ph.D., M.D., or M.D./Ph.D.) and at least four additional years of experience in clinical molecular diagnostics work, or the equivalent, are required.

Laboratory supervisory experience and certification by the American Board of Medical Genetics are preferred. The individual will be responsible for the technical and scientific operation of the laboratory as well as the research and development of new molecular diagnostic tests. The position will also involve teaching students and residents as well as scholarly activities. Appropriate academic rank and salary are commensurate with experience. Applications are particularly encouraged from women and individuals of diverse racial, ethnic, and cultural backgrounds. Applications will be accepted until **July 1, 1999**. Send letter of interest with curriculum vitae and names of three references to: Brad Brimhall, M.D., Department of Pathology (Box A022), University of Colorado Health Sciences Center, 4200 E. Ninth Avenue, Denver, CO 80262. E-mail:

bbrimhall@ewok.uhcolorado.edu

Memorial University of Newfoundland

Applications are invited for a tenure track position as Clinical Biochemist in the Discipline of Laboratory Medicine, Faculty of Medicine, Memorial University of Newfoundland. The successful candidate will also hold a joint appointment as Divisional Chief of Biochemistry in the Laboratory Medicine Program of the Health Care Corporation of St. John's. Applicants should have either an MD with an FRCPC in Medicine Biochemistry or a PhD with membership in the Canadian Association of Clinical Chemists. Facilities and support for an active research program will be provided. Applications with CV and the names of three referees should be submitted by **July 1, 1999** to: Dr. D.G. Haegert, Professor and Chairman, Discipline of Laboratory Medicine, Faculty of Medicine, Memorial University of Newfoundland, St. John's, NF A1B 3V6.

Hospital for Sick Children

The Hospital for Sick Children has a faculty position available for an experienced Pediatric Pathology Transplant Specialist. The successful candidate must have a strong background in academic pathology and have demonstrated the

ability to promote, facilitate and conduct research. The Candidate would also have expertise and experience in immunopathology or other areas of pathology relevant to transplantation. Applicants must be certified or be eligible for certification by the Royal College of Physicians and Surgeons of Canada in a relevant laboratory medicine subspecialty and be eligible to hold an Ontario medical licence. The successful candidate will be cross-appointed at the Assistant or Associate Professor level in the Department of Pediatric Laboratory Medicine and Pathobiology at the University of Toronto. Interested individuals should submit a letter of application, a curriculum vitae, and the names and addresses of three referees by **August 30, 1999** to Dr. Laurence Becker, Chief, Department of Pediatric Laboratory Medicine, 555 University Avenue, Toronto, Ontario, M5G 1X8.

Royal Victoria Hospital

The Department of Laboratory Medicine at the Royal Victoria Hospital of Barrie is seeking a General Pathologist to join three other general pathologists in a busy regional community hospital practice. The department will process approximately 15,000 surgical pathology specimens, 5,000 cytology specimens, 200 bone marrow aspiration and 300 autopsies in the coming year. Applicants must be eligible for licensure in the Province of Ontario, and must possess FRCPC qualification in pathology (preferably general pathology). Please reply with CV and references to: Dr. Russell Price, Chief, Department of Laboratory Medicine, The Royal Victoria Hospital, 201 Georgian Drive, Barrie, ON L4M 6M2.

UNDERSTANDING COMPUTER JARGON

File.

A document that has been saved with an unidentifiable name. It helps to think of a file as something stored in a file cabinet - except when you try to remove the file, the cabinet gives you an electric shock and tells you the file format is unknown.

Winnipeg Hospital Locum Tenens Position

The Laboratory Medicine Program of the Winnipeg Hospital Authority invites applications for a locum tenens position (1 year - starting as soon as possible) in Anatomical Pathology. We seek an Anatomical Pathologist with experience in both surgical pathology and cytopathology (gyne and non-gyne). Applicants must have FRCPC(C) qualifications in Anatomical Pathology and be eligible for licensure in the Province of Manitoba. Salaries will be commensurate with years of experience post FRCPC. A permanent position may become available for a suitable candidate. Please send applications including curriculum vitae and the names of three references to: Dr. F.W. Orr, Clinical Program Director, Laboratory Medicine, Department of Pathology, University of Manitoba, D212-770 Bannatyne Avenue, Winnipeg, Manitoba. R3E 0W3. Tel: 204-789-3338; Fax: 204-789-3931; E-mail: worr@cc.umanitoba.ca

UNDERSTANDING COMPUTER JARGON

Hardware.

Collective term for any computer-related object that can be kicked or battered.

Richardson Research Seminars
Tuesdays at 4:00 pm in Richardson
Amphitheatre

Tuesday Seminars cancelled for the summer... will resume in September.

Grants'n' Such

The following are summaries of funding. If you require general information see Barb in Dr. Manley's office. If you require application forms or more detailed information please contact Laurie Vaughan-Evan in the Office of Research Services.

The Multiple Sclerosis Society of Canada (MSSC)

<http://www.mssoc.ca/>

1. MSSC is launching a new fund to stimulate innovative collaborative research. This fund is separate from the regular research program of MSSC and is meant to support large multi-center collaborative studies. Amount: up to 1.5 million per project for up to 3 years. Deadline: Letter of intent (2 page maximum) by **September 1, 1999**.

2. Other MSSC programs with deadlines **October 1, 1999**

- Career Development Award
- Research Grants
- Postdoctoral Fellowship

3. Pilot Project Awards

Limited short term support of new avenues of research where preliminary data are scant or non-existent. Deadline: anytime. Amount : not to exceed \$35,000, For more information or for applications relating to the above, please contact Research Services at ext. 36081.

Heart and Stroke Foundation of Ontario

www.hsf.ca/research

The Heart and Stroke Foundation of Ontario is launching a new initiative as part of its Research Grants Program and is requesting applications for Program Grants.

Program grant letters of intent due: July 15, 1999

Operating grant-in-aid components due: Renewals: September 1, 1999; New: October 15, 1999

Program grant full applications (core component) due: November 1, 1999

PROGRAM GRANTS

The HSFO Program Grants Program is designed to provide support for teams of three or more investigators engaging in collaborative multidisciplinary research in the fields of cardiovascular or cerebrovascular disease in Ontario institutions. The research must be consistent with the mission of the HSFO. An HSFO Program Grant proposal must consist of at least three

HSFO funded projects, each scientifically meritorious in its own right and which together form an integrated research program. The Program Grant must have a clearly defined unifying central theme to which each component grant-in-aid (GIA) relates and to which each investigator contributes. Each component GIA must be scientifically meritorious and headed by a different Principal Investigator. The sum of the component GIAs and of the Program Grant core resources, must form an integrated research program. The Director of the group must be a scientist with proven excellence in cardio/cerebro-vascular research and with proven leadership capabilities required to fulfill the role as Director. The Director will be the Principal Investigator of the Program. At all times during the term of the Program Grant, a minimum of three active, Ontario based GIA's must be maintained.

An HSFO Program Grant may be awarded for five years and is renewable subject to the approval of the Board of Directors and on the availability of funds. Applications for groups, whether new or renewal, should be made in two stages: a Program Grant Letter of Intent and a Program Grant Full Application. The Director of the Program Grant is responsible for completion of Letter of Intent and, if approved, the full application, as well as for communicating all Foundation decisions to the Program Grant team members.

For new Program Grant applications, a Letter of Intent should be submitted by the proposed Program Grant Director to the HSFO Research Department by July 15, 1999. If the proposal is judged suitable by the Program Grants Review Committee, the Director will be advised and invited to submit a full application by November 1, 1999. The terms of reference, guidelines and forms for completion of the Letter of Intent and full applications for Program Grants are located on the Heart and Stroke Foundation of Canada research website (www.hsf.ca/research).

Important Note to Program Grant Applicants in 1999 only: Due to the tight time line in launching this new Program Grants competition, the HSFO and HSFC have agreed to extend the deadline for submission of new grants to be included in Program Grants. New grant-in-aid applications that are to form a component of the Program Grant (i.e. will not be funded if the Program Grant is not funded) must be submitted to the National office (with the appropriate number of copies to HSFO), by October 15, 1999 for consideration in this year's Program Grant competition. In addition, a Letter of Intent must first be submitted to the Heart and Stroke Foundation of Canada and the Heart and Stroke Foundation of Ontario by September 1, 1999 indicating that a new grant will be forthcoming for the October 15, 1999 deadline and

including the name and addresses of the Principal Investigator and Co-Investigators; the title of the new grant application; and the title of the Program Grant as well as a completed page 2 of the HSFC Grant-In-Aid (GIA) application form and a one-page summary of the research.

Ongoing operating Grants that are currently funded by the HSFO and that are up for renewal this year, may be incorporated into a Program Grant. Renewal applications that are included in a Program Grant Letter of Intent must be submitted into the regular HSFC - Grant-In-Aid competition for the September 1, 1999 deadline according to the guidelines and regulations governing renewal applications. Program Grants that are up for renewal, require the submission to the HSFO, Research Department, by July 15, 1999, a Letter of Intent to indicate that an application for renewal will be submitted. If the renewal submission is substantially different from the current Program Grant (membership or direction), the procedures for a new Program Grant should be followed. Continuing funding of the Program Grant is contingent upon submission of a satisfactory progress report to HSFO by December 15th of each year of the award.

For more detailed information please contact: Vice President, Research, Heart & Stroke Foundation of Ontario, 1920 Yonge Street, 4th Floor, Toronto, Ontario, M4S 2E2. Tel: 416-489-7111 Ext. 303; Fax: 416-489-7003

NATO Science Fellowships

<http://www.nserc.ca/programs/resguide/nato.htm>

The following description applies to the 1999 competition for NATO Science Fellowships only. Please note that of the four types of NATO Science Fellowships, Canada offers only advanced Fellowships (type B). NATO Science Fellowships offer opportunities for emerging scientists and engineers from central and eastern European partner countries to pursue postdoctoral research in the natural sciences and engineering at Canadian universities.

NATO Science Fellowships are tenable at a Canadian university that can provide the research facilities and environment appropriate for the proposed research activity. Fellows must work under the supervision of a faculty member who holds an NSERC grant (Research, Strategic, CRD) or Industrial Research Chair at the time of nomination. Fellowships are awarded for two years subject to satisfactory progress and availability of funds. A candidate may hold only one NATO Science Fellowship offered by NSERC. The NATO Science Fellowships provide an annual stipend of \$33,000 Canadian, as well as payment of allowable travel expenses for fellows and their families (i.e., spouse and dependent children, if applicable). The stipend is subject to Canadian income tax. No supplements are provided for family members. Candidates must be citizens of one of the countries listed above and must not be Canadian citizens or permanent residents of Canada. Candidates must engage in full-time

postdoctoral research in one of the fields of research supported by NSERC and be supervised by an NSERC award holder. Candidates must hold, or expect to receive by the time the award is taken up, a doctorate from a recognized university outside Canada, in one of the fields of research supported by NSERC. Applicants must have obtained their first Ph.D.-equivalent degree no more than two years before the deadline date of the year in which they apply. Applicants already at a Canadian university cannot submit an application for a fellowship at the same university.

Candidates do not apply directly to NSERC but must be nominated by the proposed supervisor and the host university. Prospective candidates should contact the university at which they propose to hold the award to obtain the deadline for submitting a NATO Science Fellowship application to the university. There is only one competition a year. Nominations for NATO Science Fellowships from Canadian universities must be received by NSERC no later than October 1.

To apply, the candidate must submit the following to the proposed supervisor in time to meet the university deadline date: -an Application for an NSERC Scholarship or Fellowship (form 200); and -a copy of the Ph.D. or equivalent diploma. Applicants who have not completed all requirements for their degree at the time of the application must submit a letter from their department head that states the expected date of completion of the doctoral degree.

A candidate may be nominated by only one Canadian university. The proposed university must be specified in the application. The proposed Canadian supervisor must submit the nomination for a NATO Science Fellowship to NSERC (see instructions to form 200). Each university (via the university's research office or other authorized office) selects the candidates it deems to be of sufficient quality to nominate to NSERC for fellowships. There are no application quotas. Departments nominating more than one candidate should rank these in terms of priority. Successful candidates are notified of the decision in January. Awards must be taken up by July 1.

NSERC Collaborative Research Opportunities Grants (CRO)

http://www.nserc.ca/programs/resguide/cro_e.htm
Collaborative Research Opportunities (CRO) grants facilitate the participation of teams of Canadian researchers in major national and international research projects that present a special opportunity for collaboration.

CRO grants are project grants that support a limited number of special research initiatives that are not appropriate for consideration under any other NSERC program because of objectives or size. Collaborative Research Opportunities

normally require in excess of \$100,000 annually from NSERC. These initiatives capitalize on opportunities for collaboration, such as: -participation in a major international research initiative, e.g., the European Union's Fifth Framework program; -the need for a large-scale interdisciplinary effort to address a specific problem; -the timely availability of a particular research resource or facility; -the outcome of an international workshop to plan a research collaboration; -a specific world event.

These initiatives may involve the coordination of efforts from various countries, agencies and sectors. However, the research will be at a stage where tangible support from the private sector (and support from NSERC's Research Partnerships Programs) are not feasible. Co-applicants from other sectors (government and industry) or countries are welcome. Any grant awarded will be for the research activities of persons eligible for NSERC grants.

Application Procedures

The Selection Committee on Collaborative Research Opportunities will normally meet in June and December. Applications will be accepted at any time but no later than **March 1** to be reviewed at the June meeting, and no later than September 1 to be reviewed at the December meeting. You must submit a Letter of Intent no later than two months before submitting an application. The purpose of the Letter of Intent is to provide NSERC with information to determine if the proposal is appropriate for consideration as a Collaborative Research Opportunity and to identify the most appropriate review mechanism.

NOTE: The Selection Committee on Collaborative Research Opportunities will only meet once in 1999-2000. To be considered, Letters of Intent must be submitted no later than **SEPTEMBER 1, 1999 and applications no later than OCTOBER 15, 1999**. The Letter of Intent must contain the following information: -a summary of the nature of the special collaborative opportunity, including some background on the development of the proposed initiative; -a short description of the project; -the names and institutional affiliations of participating researchers; -approximate amount to be requested (per year); -why the initiative is not appropriate for consideration under other NSERC programs; -suggestions for five (5) external referees, with a brief description of their areas of expertise. Contact Information: Danielle Ménard, Tel (613) 995-5829, E-mail danielle.menard@nserc.ca. Marie Émond, Tel (613) 996-6217, E-mail marie.emond@nserc.ca

Institute of Physical and Chemical Research (better known as RIKEN)

The Canadian Embassy in Tokyo provides NSERC with short summaries of Japanese institutes (university or government

based) of particular interest. These institutes offer postdoctoral positions for Canadian researchers. You'll find descriptions of these institutes at the end of this message. Canadian researchers interested in working in these institutes can contact NSERC and apply to the JSPS Fellowships <<http://www.jsps.go.jp/e-fellow/main.htm>> or STA Fellowships administered by NSERC on behalf of the government of Japan. This program attracts currently only a small number of candidates from Canada (well below our Canadian quota). A description of the program is also on NSERC's web page at:

http://www.nserc.ca/programs/schol3_e.htm

OKAZAKI NATIONAL RESEARCH INSTITUTES

Okazaki National Research Institutes (ONRI) was established in 1981. ONRI is one of the inter-university research institutes under the jurisdiction of the Ministry of Education, Science, Sports and Culture (Monbusho). It comprises of three independent institutes:

- the Institute for Molecular Science (IMS) established in 1975;
- the National Institute for Basic Biology (NIBB) established in 1977; and
- the National Institute for Physiological Sciences (NIPS) also established in 1977.

INSTITUTE FOR MOLECULAR SCIENCE (IMS)

IMS investigates molecular reactivities, dynamics and diverse interactions with other molecules and substances through experimental and theoretical methods. IMS studies aid the design and development of novel materials with new functions. At the Laser Research Center for Molecular Science, Dr. Takunori Taira (taira@ims.ac.jp) and his group demonstrated high-efficiency lasing from a diode-pumped ceramic chip of Nd:YAG. The polycrystalline YAG ceramic allows high neodymium doping levels that overcome the low absorption cross-section. The result is a device that produces an output power four times that of a conventional Nd:YAG crystal. Examples of other on-going research activities at IMS include: - Laser Investigation of Reactive Scattering - Ultrafast Molecular Processes and Dynamics - Theoretical Molecular Science - Solid State High Resolution NMR of Quadrupolar Nuclei - Applications of Synchrotron Radiation - Detection of Electrons Emitted from Molecules - Production of Organic Material from CO₂ - Studies of Interstellar Materials - Metalloprotein Chemistry

NATIONAL INSTITUTE FOR BASIC BIOLOGY (NIBB)

NIBB conducts research proliferation and differentiation of cells, morphogenesis during development and responses to environmental stimuli. At NIBB, Prof. Yoshitaka Nagahama (nagahama@nibb.ac.jp) is working on the importance of two specific steroidogenic enzymes (P450 aromatase and P450 11B hydroxylase) in the regulation of sex change in protogynous hermaphrodites. Examples of other on-going research activities at NIBB include: - Studies of Cell Behavior - Investigations of Mechanisms of Development -

Molecular Mechanisms to Respond to Environmental Change - Gene Regulation Networks - Molecular and Cellular Mechanisms Underlying the Development of the Central Nervous System - Action Spectroscopy

NATIONAL INSTITUTE FOR PHYSIOLOGICAL SCIENCES (NIPS)

NIPS is mainly concerned with the structural basis and operational mechanisms of normal human functions. NIPS' scientists analyze physical and chemical signals, and their dynamics within the human body. Prof. Shigemi Mori's (mori@nips.ac.jp) group studies nervous system mechanisms that control bipedal locomotion to understand how adult Japanese monkeys (*M. fuscata*) trained when young, can learn to walk on the surface of a moving treadmill bipedally. Examples of other on-going research activities at NIPS include: - Integrative functions of the brain - Signal transduction by neuronal cells - Neural networks - Mammalian brain functions

INTERNATIONAL ACTIVITIES

One of ONRI's main objectives is to contribute to the advancement of world science, particularly through international exchanges and cooperation in advanced science and technology. ONRI sends researchers to foreign countries as visiting fellows or participants in the international conferences held overseas, accepts researchers from abroad, and conducts joint research with foreign institutions. ONRI encourages and supports researchers from abroad through various programs offered by the Monbusho, the Japan Society for the Promotion of Science, and the Science and Technology Agency.

Canadian researchers interested in visiting and working at ONRI can review information on the various support programs in the following websites: <http://jsps.go.jp> and <http://jst.go.jp>

Applications to the JSPS and STA Fellowship Programs can be made through NSERC. Direct contact with ONRI can be made through: International Affairs Division, Okazaki National Research Institutes, 38 Nishigonaka Myodaiji-cho, kazaki-shi Aichi Pref., 444-8585 Japan. Phone: +81-564-55-7135; Fax: +81-564-55-7119; <http://www.orion.ac.jp/>

Three research centres at the Institute of Physical and Chemical Research (RIKEN)

(1) BIO-MIMETIC CONTROL RESEARCH CENTER is located in Nagoya. The institute conducts research in the following themes: - neural circuits - genes of motor systems - bio-mimetic sensory systems - bio-mimetic control systems

These research efforts are expected to contribute to finding treatment for motor function disorders (such as Parkinson's disease), the development of industrial robots and highly sensitive sensor technology.

(2) **EARTHQUAKE DISASTER MITIGATION RESEARCH CENTER** in Hyogo Prefecture

concentrates on 3 research teams: - disaster process simulation - disaster information system for emergency management - performance and vulnerability assessment of urban structures.

(3) **GENOMIC SCIENCES CENTER** at Wako campus is the center for genomic research in Japan. Has 10 research teams organized under the 3 main research groupings of: - Genome Exploration Research Group - Human Genome Research Group - Protein Research Group

More information on the above can be located in the RIKEN homepage: www.riken.go.jp

Canadian researchers interested in visiting and working at these RIKEN institutes can review information on the support program described in the Japan Science and Technology Corporation website: <http://jst.go.jp>
Applications to the STA Fellowship Program can be made through NSERC.

Foundation for the Future

Deadline: **October 31, 1999, April 30, 2000**

Amount Note: Foundation grants range in amounts from \$1,000 to \$25,000 depending upon the scope of the project. The New Futures / Special Projects Grants range from \$1,000 to \$9,000. The Future of Humanity Grants range from \$10,000 to \$25,000. Proposals are accepted from unaffiliated individuals or on behalf of individuals or research teams from the following organizations and institutions around the world: - universities and colleges; - nonprofit, non-academic organizations with IRS determination of nonprofit status from the United States or their own government agency; and - state, provincial, and local government offices. The foundation invites applications in one or more of the following categories: 1. Future of Humanity Research Programs; 2. International Collaboration on the Future of Humanity.

The first category includes all of those fields that may have a significant impact on the quality of human life during the coming millenia. Areas of interest within the physical and social sciences include, but are not limited to, research into the social, genetic, biological, medical, psychological, physiological, cultural, and environmental factors that may affect the quality of the human condition.

Projects in the second category include those that develop international collaboration through cooperative research, or those that enable individuals at smaller institutions to participate in international future of humanity research projects.

Types of grants include: 1. New Futures / Special Projects Grants; 2. Future of Humanity Grants. The first type are seed money grants for new scholars, new projects, and new organizations. The second type consists of funding for established scholars, significant research projects, and established organizations. Contact: Dr. Karen Armstead, Program Manager, Foundation for the Future, 123 - 105th Avenue, SE, Bellevue, Washington 98004 USA
Phone: (425) 451-1333; Fax: (425) 688-1591; E-mail: karenarmstead@futurefoundation.org
URL for more information:
<http://www.futurefoundation.org/researchgrantpage.html>

Canadian Institutes of Health Research

New Funding Opportunities <http://www.cihr.org/>

1. Tri-Council Workshop/Networking program

Objective; to help researchers plan collaborative research projects which will be submitted to CIHR and health-related programs of the councils. May be a single workshop, a linked series of workshops or other networking activities. 2 competitions in 1999-2000 with about 50 awards of up to 30,000 among the two competitions. Deadlines **June 15, 1999** and **November 1, 1999**. Results Sept 1999 and Feb 2000 respectively.

2. NSERC Collaborative Health Research Programs

Collaborative proposals for specific research projects of up to three years duration in any field of the natural sciences and engineering which, if successful, will lead to health benefits for Canadians. Deadline is **July 1, 1999**. More details to come from NSERC.

3. MRC - the CIHR Opportunity Program

To support workshops, consensus conferences, strategic planning exercises and similar activities whose outcomes will be one or more of: · a research agenda; · a proposal for a health research consortium; · a proposal for an initiative to address research personnel; · a proposal for initiatives which will facilitate clinical, health services; · and transnational research in CIHR or a proposal that addresses key areas of sciences. Deadlines **August 1, 1999** and **November 1, 1999**.

Johann Jacobs Foundation

The Johann Jacobs Foundation operates nationally and internationally to provide support for young adolescents to become valuable contributors to society. The Foundation supports basic research on human development and the development of educational and policy programs aimed at improving the mental, social and physical well-being of youth. Deadline note: Continuous. However, to ensure a timely review, applicants should submit their projects either in January, May or September. Applicants must hold the Ph.D. degree and have an affiliation with a college or university, a research facility or a cultural or educational institution. Contact Address:

Johann Jacobs Foundation, Seefeldquai 17, P.O. Box 101, Zurich, CH-8034, Switzerland. Contact Phone: +41 1 388 61 23; Contact Fax: +41 1 388 61 53; Contact Email: jjfoundation@gonet.ch

The Spencer Foundation

<http://www.spencer.org/proginfo.htm#programs>
The Spencer Foundation was established by Lyle M. Spencer, the founder, and until his death in 1968, president of Science Research Associates, Inc., an educational publishing firm. The foundation is intended, by Mr. Spencer's direction, to investigate ways in which education, broadly conceived, can be improved around the world. The foundation received its major endowment in 1968. Since that time it has made grants totaling approximately \$180 million. The Foundation has as its primary mission, by the intent of its founder, "to investigate ways in which education can be improved, around the world." To achieve this goal, the Foundation is committed to supporting high quality investigation of education through its research programs and to strengthening and renewing the educational research community through fellowship programs and related activities. The Foundation defines education broadly to include all the situations and institutions in which education proceeds, across the entire life span. An important expectation of the Foundation is that the activities it supports, taken together over the years, will contribute significantly to the enhancement of educational opportunity for all people. For the various grants and deadlines visit their website.

American Digestive Health Foundation

ADHF / AGA Miles and Shirley Fiterman Foundation Basic Research Awards - **deadline: January 07, 2000**

ADHF / AGA R. Robert & Sally D. Funderburg Research Scholar Award in Gastric Biology Related to Cancer - **deadline: September 03, 1999**

ADHF / AGA Elsevier Research Initiative Award - **deadline: January 07, 2000**

ADHF / ASGE Endoscopic Research Awards - **deadline: September 03, 1999**

ADHF / AGA Miles and Shirley Fiterman Foundation Clinical Research in Gastroenterology or Hepatology - **deadline: January 07, 2000**

TAP Pharmaceuticals, Inc. Outcomes Research Awards - **deadline: September 03, 1999**

Endoscopic Outcomes and Effectiveness Developmental Research Award - **deadline: September 03, 1999**

ADHF / AGA Research Scholar Awards - **deadline: September 03, 1999**

For all programs above contact Tess Lacuesta, Coordinator, ADHF National Office, Research Awards Program, 7910

Woodmont Avenue, 7th Floor, Bethesda, Maryland 20814 USA. Phone: (301) 654-2635; Fax: (301) 654-1140; Email: lacuesta@gastro.org; URL for more information: <http://www.gastro.org/adhf/awards99.html>

Benign Essential Blepharospasm Research Foundation, Inc.

Deadline: September 01, 1999

Benign essential blepharospasm (BEB) is a chronic neurologic dysfunction in the motor control center of the brain. The Foundation will consider funding of research specifically related to the cause, treatment, or cure of blepharospasm, Meige Syndrome, or related disorders. Contact BEBRF, Inc., Review Board, P.O. Box 12468, Beaumont, Texas 77726-2468 USA Phone: (409) 832-0788; Fax: (409) 832-0890; Email: bebrf@ih2000.net

Leukemia Society of America (LSA) Career Development Program

Scholar Award - **deadline: September 15, 1999**. **Deadline Note:** Letters of intent must be received by 5:00 P.M. on **September 15, 1999**. Completed applications will be due on **October 1, 1999**. Scholar Award for Clinical Research - **deadline: September 15, 1999**. **Deadline Note:** Letters of intent must be received by 5:00 P.M. on **September 15, 1999**. Completed applications will be due on **October 1, 1999**. Fellowship Award - **deadline: September 15, 1999**. **Deadline Note:** Letters of intent must be received by 5:00 P.M. on **September 15, 1999**. Completed applications will be due on **October 1, 1999**.

Contact: Director of Research Administration, Leukemia Society of America, Inc., 600 Third Avenue, New York, New York 10016 USA. Phone: (212) 450-8843; Fax: (212) 856-9686; Email: lerrmandb@leukemia.org. URL for more information: http://www.leukemia.org/docs/med_res_edu/grants/career_guide.html

Human Frontier Science Program Organization (HFSP)

Deadline: September 01, 1999

In 1999, research grants will be, on average, \$US 230,000 per year. Forty-seven research grants were awarded in 1998 (12.3% of applications).

The principal applicant must be from one of several eligible countries. These include: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Italy, Japan, Luxembourg, the Netherlands, Portugal, the Republic of Ireland, Spain, Sweden, Switzerland, the United Kingdom or the United States of America. Applications should consist of an international program of research involving a team of members from different countries. Each team member are expected to have a doctoral degree or equivalent research experience and have an established record for independent research.. Young investigators under the age of 45 are particularly encouraged to apply as principal applicants.

There are two primary research areas:

a) Basic Research for the Elucidation of Brain Functions Elementary Processes; Perception and Cognition; Movement and Behaviour; Memory and Learning; Language and Thinking; and

b) Basic Research for the Elucidation of Biological Functions through Molecular Level Approaches Expression of Genetic Information; Morphogenesis; Molecular Recognition and Responses; and Energy Conversion.

Contact: Research Grants Coordinator, HFSP, Bureaux Europe, 20, place des Halles, Strasbourg Cedex 67080 France

Contact: +33 (0)3 8821 5126; Fax: +33 (0)3 8832 8897;

Email: grant@hfsp.org

URL for more information:

http://www.hfsp.org/how_to_apply/how_to_apply_application_forms.htm

Elizabeth Glaser Pediatric AIDS Foundation

<http://www.pedaids.org/>

The Elizabeth Glaser Pediatric AIDS Foundation is primarily interested in funding basic medical research areas which have direct and immediate relevance to pediatric HIV/AIDS. While the Foundation supports basic medical research using clinical samples, it does not fund large therapeutic trials or the pharmacologic development of drugs. Grant applications for specific areas of high priority research, listed below, are screened by letters of intent, and, if accepted for full application, are reviewed by a scientific advisory committee and funded by priority score. Proposals are scored on scientific merit. Research priorities with pediatric relevance:

Transmission of Virus from Mother to Infant

Opportunistic infection

Pathogenesis of HIV infection

Abnormal growth factors

Mucosal immunity (including pediatric GI tract)

Nutrition and HIV

Characterization of immune response to HIV

Central nervous system and HIV

Placental role in facilitation of, or protection from, HIV infection

Effect of HIV on organ development and function

Animal models

Host genetic factors that increase or decrease susceptibility of the neonate to perinatal HIV infection

Vaccine development

Other critical areas highly relevant to pediatric HIV/AIDS research

Breast-milk transmission

Elizabeth Glaser Scientist Award

The goal of this program is to build a network of scientists focusing on issues of pediatric HIV/AIDS and creating a generation born free of this infection. Up to five outstanding scientists are funded each year. Must have an M.D., Ph.D., D.D.S., or D.V.M. degree. Must be at the assistant professor level or above. Provides up to \$650,000 in direct costs over a period of five years. Deadline: **June 10, 1999.**

Research Grants: One-Year and Two-Year

The goal of this program is to provide initial funding to investigators to enable them to gather preliminary data to answer questions quickly and/or obtain sufficient results to apply to other granting agencies. Applicant must have a full-time academic and/or institutional appointment.

Provides up to \$80,000 (U.S.) per year in direct costs for a period of performance not to exceed two years. Determination as to the duration of support will be made by the Scientific Advisory Committee during peer review. Only one application per investigator. Renewals for one year are competitively reviewed based on progress. Two-year grants are not renewable.

Research using animal models may apply for supplemental funds directly related to the purchase and care of animals; total direct cost is \$100,000/year with supplement. Indirect cost allowed is 20% of total direct. Investigators outside the U.S. may apply. Deadline: **July 22, 1999.**

Scholar Awards

The goal of this program is to encourage young investigators to select pediatric HIV/AIDS as a research focus for their career. Applicant must have two to three years of postdoctoral experience. Provides \$66,000, indirect costs, for two years of salary support (\$32,000 year one and \$34,000 year two). Renewable for a third year at \$36,000. (Renewals are not guaranteed) Must work with a qualified sponsor. Only one application from any scholar, sponsor or laboratory, or department. Tenured investigators are not eligible. Investigators outside the U.S. may apply. Deadline: **July 22, 1999.**

Short-Term Scientific Awards

The goal of this program is to provide funding for travel and short-term study at a U.S. institution, to initiate a critical research project, obtain preliminary data, learn new techniques in an established laboratory, or sponsor an important workshop. Provides up to \$5,000. Foreign investigators may apply. Indirect costs are not applicable. Funds are intended for travel, per diem, housing, research supplies or other costs as needed for short-term projects. Renewals are not granted. Deadline: **July 22, 1999.** For additional information please contact the Grants Department at the Elizabeth Glaser Pediatric AIDS Foundation. Phone: (310) 314-1459; FAX: (310) 314-1469; E-mail: research@pedaids.org

Going Global - Science and Technology with European Partners (STEP)

1999-2000 Competition <http://homer.aucc.ca/english/>
The Association of Universities and Colleges of Canada (AUCC) is pleased to launch the 1999-2000 competition of the Going Global program. This program offers grants up to \$5,000 in the field of Science/Technology to cover travel costs (international airfare, accommodation, surface transportation and meals) of Canadian university professors and researchers going to Europe or their counterparts coming to Canada. Contributions are for a maximum of 2/3 of the total cost of the activity. The Canadian university (or other source, if applicable) must match the program contribution by at least 1/3. Approximately 14 grants will be awarded. All travel must be completed by March 31, 2000. Deadline **June 15, 1999**. Notice of Award as well as program guidelines and application forms are available from the Office of Research Services, ext 36081.

New Funding Opportunities

Tri-Council Program (NSERC, SSHRC, MRC)

NSERC is creating new funding opportunities to help researchers in the natural sciences and engineering compete for funding related to the new Canadian Institutes of Health Research and to provide new support to genomics research activities which fall within the mandate of NSERC.

Canadian Institutes of Health Research (CIHR)

<http://www.cihr.org/>
The CIHR will create virtual networks that will draw together investigators and institutions to coordinate and give focus to Canada's health research efforts. They will also help integrate research into Canada's health care system. Up to 15 health institutes are envisioned, each concerned with a particular area. The natural sciences and engineering already play an important and extensive role in health research from biochemistry, cell biology, genetics and mathematics to materials science, engineering, robotics and informatics. Because the CIHR will stress integration, there will be major new opportunities for NSE researchers to build strong bridges to health researchers in the medical and the social science and humanities communities.

NSERC Council has approved the following initiatives:

- two annual competitions in 1999 and in 2000 for three-year health-related research projects. (see Appendix A) - a tri-council (NSERC, SSHRC, MRC) program that will make up to \$1.5 million available to support proposals for workshops and networking which will bring the three communities together to plan joint projects. (see Appendix B).

MRC website: <http://www.mrc.gc.ca/cihr-icrs/cihr.html>
For further information see Barb in Dr. Manley's office.

Physician Services Inc. Foundation

Deadline for submission

June 7, 1999 for meeting September 22, 1999

September 7, 1999 for meeting December 1, 1999

November 17, 1999 for meeting March 1, 2000

February 14, 1999 for meeting June 14, 2000

PSI contact info: Phone: 416-226-6323; Fax: 416-226-6080; email: psif@idirect.com

For applications and more information, contact Research Services at ext. 36081.

Department of Pathology Clinical Trust Fund Research Competition

In light of the small number of applications submitted to the Clinical Trust Fund Research Competition in January 1999 the Trust Fund Review Committee has decided to hold a second competition with a submission deadline at the end of June 1999. The Terms of Reference for this competition are unchanged and it is anticipated that funding for successful applications will be made available in the fall of 1999. The deadline for receipt of these submissions in the departmental administrative office is **4:00 pm on Friday, June 25th**.

International Opportunity Fund

This program may be used to initiate collaborative research projects with any country. It also provides a support mechanism for developing new collaborative research projects with countries with which NSERC has signed agreements. The details of these agreements and information on NSERC's international relations are available on NSERC's website at:

<http://www.nserc.ca/intnew.htm>. If you have any questions on this program, please contact:

Madeleine Bastien at NSERC, phone: 613-996-7041; email: madeleine.bastien@nserc.ca.

For any other question regarding NSERC's international relations, please contact Thierry Weissenburger at: phone : 613-995-1818; e-mail: thierry.weissenburger@nserc.ca

Burroughs Wellcome Fund

2000 Hitchings-Elion Fellowships

<http://www.bwfund.org/HE2000.html.html>

Support for U.S. and Canadian Biomedical Scientists to Engage in Postdoctoral Training in the United Kingdom or the Republic of Ireland and to Begin a Faculty Appointment in the United States or Canada. Deadline: **August 2, 1999**. Burroughs Wellcome Fund, 4709 Creekstone Drive, Suite 100, Durham, NC 27703-8472. Telephone (919) 991-5100; Fax (919) 941-5884.

E-mail: info@bwfund.org

<http://www.pg.com/about/rnd/grants2.htm>

Asthma Society of Canada Research Grants

www.asthmasociety.com

The Asthma Society of Canada is a national volunteer-based organization devoted to enhancing the quality of life of people

living with Asthma. Our programs include public education, counseling and the provision of information for Asthmatics and their families, as well as, funding research. This year, they have \$160,000 to be awarded to research. The maximum for each individual grant will be approximately \$10,000 in the field of Asthma research. A copy of the Application Form is enclosed. (Available from Office of Research Services). The deadline for receipt of the application is **July 15, 1999**. If you require further information, please contact: 130 Bridgeland Avenue, Suite 425, Toronto, Ontario, Canada M6A 1ZA 416-787-4050. Asthma Infoline: 1-800-787-3880

American Lung Association

Lung Health Research Dissertation Grants - **October 1, 1999**

Research Training Fellowships - **October 1, 1999**

Clinical Research Grants - **November 1, 1999**

Research Grants - **November 1, 1999**

Dalsemer Research Scholar Award - **November 1, 1999**

Career Investigator Awards - **October 1, 1999**

Johnie Murphy Career Investigator Award - **October 1, 1999**

For further information contact the American Lung Association, Medical Affairs Division, 1740 Broadway, New York, NY 10019-4374 or download grant applications from www.lungusa.org.

International Life Sciences Institute (ILSI) Allergy and Immunology Institute

(<http://www.ilsa.org/aiiresearch.html>)

The International Life Sciences Institute's Allergy and Immunology Institute (ILSI All) is currently accepting preproposals for its year 2000 General Research Awards. ILSI All was established in 1989 to advance scientific understanding in the areas of allergy and immunology, particularly as they relate to the management of food allergies. Currently, All administers four research award programs, however, not all research award programs are offered each year.

General Research Awards are intended to provide support for established investigators already working in the area of food allergy and immunology, or investigators contemplating entering the field, for projects that will advance the state of the science, contribute significantly to the scientific database related to allergic reactions to foods, and encourage the application of new scientific developments to the understanding of underlying mechanisms and potential interventions in allergic diseases related to foods. The deadline for submission of preproposals is Friday, **June 18, 1999**. It is anticipated that successful applicants will be asked to submit full proposals in **October 1999**, for projects to begin the year 2000, if funded. Please contact the All office to obtain copies of the

current Request for Preproposals. (Also available from Office of Research Services) Copies can be obtained electronically from the ILSI website : (<http://www.ilsa.org/aiiresearch.html>). For more information, contact: Ms. Catherine Nnoka, Manager, ILSI Allergy and Immunology Institute, 1126 Sixteenth Street, NW, Washington, DC, 20036-4810, USA. Telephone 202-659-0074. Fax 202-659-3859. Email aii@ilsa.org www.ilsa.org/aiiresearch.html

National Health Research and Development Program Personnel Awards Update Call for Proposals for 1999 Competition

<http://www.hc-sc.gc.ca/hppb/nhrdp/updat98e.htm>

The National Health Research and Development Program (NHRDP) is the primary mechanism by which Health Canada invests in supporting the academic preparation of outstanding students, the sponsorship of new researchers, and the funding of research projects related to health policy.

Category Structure Eligibility Criteria

1. National Health Master's Fellowship, \$18,000 per year up to two-year term, full-time studies, application to Master's program with a health policy research (thesis) focus, completion of previous degree by **August 15** of competition year, tenable in Canadian centres
2. National Health Doctoral Fellowship, \$18,000 per year, up to four-year term, full-time studies, application to PhD program with a health policy research (thesis) focus, completion of previous degree by **August 15** of competition year, justification required for tenure outside Canada, justification required for tenure in same department/research environment as prior degrees, justification required for combined Master's/PhD programs.
3. National Health Post-doctoral Fellowship, \$30,000 per year, two-year term, research occupies 100% of time, completion of previous degree by **September 30** of competition year, no more than two years since last doctoral degree, not tenable in same research environment where post-secondary education received, justification required for tenure outside Canada
4. National Health Research Scholar Award, \$50,000 per year, five-year term, research occupies at least 75% of time, completion of PhD, more than two years and less than six years (inclusive) since last doctoral degree, tenable in Canadian centres.

Cancer Research Institute (CRI) Clinical Trials Program

<http://www.cancerresearch.org/>

Melanoma Initiative Pre-clinical Grants

<http://fundingopps2.cos.com/cgi-bin/getRec?id=18713>

The Melanoma Initiative, a program designed by the Cancer Research Institute in partnership with Cancer Care, Inc. is dedicated to helping people who have melanoma or who have concerns about melanoma. The primary components of the

program include the identification and support of promising research projects; an educational commitment to increase public awareness of the optimal detection, diagnosis, and treatment of melanoma; and the development and promotion of nationwide patient-support services. The Cancer Research Institute supports leading-edge investigations aimed at developing immunological methods of diagnosing, treating, and preventing cancer. The Institute has helped to establish the rapidly expanding field of cancer immunology, which seeks to utilize and strengthen the immune system's innate ability to combat cancer, through the use of vaccines, antibodies, cytokines, and immune cells.

Amount: \$100,000 - \$300,000; Deadline: **September 1, 1999.**

Melanoma Initiative Clinical Trials Grants

<http://fundingopps2.cos.com/cgi-bin/getRec?id=42010>
The Melanoma Initiative, a program designed by the Cancer Research Institute in partnership with Cancer Care, Inc. is dedicated to helping people who have melanoma or who have concerns about melanoma. The primary components of the program include the identification and support of promising research projects; an educational commitment to increase public awareness of the optimal detection, diagnosis, and treatment of melanoma; and the development and promotion of nationwide patient-support services. The Cancer Research Institute supports leading-edge investigations aimed at developing immunological methods of diagnosing, treating, and preventing cancer. The Institute has helped to establish the rapidly expanding field of cancer immunology, which seeks to utilize and strengthen the immune system's innate ability to combat cancer, through the use of vaccines, antibodies, cytokines, and immune cells. Amount : \$150,000 - \$450,000 , Awards are in the amount of \$150,000 per year for three years. Deadline: **September 1, 1999.** The Cancer Research Institute (CRI) Clinical Trials Program website can be viewed at:
<http://www.cancerresearch.org/>

The Fanconi Anemia Research Fund

The Fanconi Anemia Research Fund is dedicated to support families and patients affected by Fanconi anemia (FA), and to fund scientific research to develop a cure for Fanconi anemia. The fund's priorities for funding research are:

1. Identify and understand the function of the FA genes.
2. Facilitate clinical trials for FA patients, involving gene therapy, bone marrow transplantation, risk assessment, and leukemia and cancer prevention.
3. Determine the causes of bone marrow failure in FA, and develop treatments to prevent bone marrow failure.
4. Develop a model of clonal evolution and leukemogenesis in Fanconi anemia, and develop treatments to prevent leukemia.

Deadlines: **August 1, 1999**, December 1, 1999. Amount : \$40,000 to \$80,000

Association of Universities and Colleges of Canada MEMORANDUM

To: International Liaison Officers

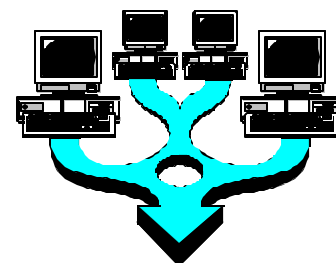
From: Susan Winch, Manager, Partnerships Program,
International and Canadian Programs Branch

Date: March 26, 1999

Re: Sabbatical Grants in Africa for Canadian Researchers
Please find enclosed the program guidelines for the Sabbatical Grants in Africa for Canadian Researchers (SGACR). The Association of Universities and Colleges of Canada (AUCC) is very pleased to administer this program on behalf of the International Development Research Center (IDRC). Like its predecessor, the Sabbatical Grants for Africa, which AUCC administered for IDRC in 1997, the SGACR program strives to respond to the ever increasing interest from Canadian and African researchers for stronger partnerships among themselves. We recognize that the areas of interest are widely varied and that the potential for collaboration is even greater than before in almost all sectors. Our resources remain limited, however, and we need to restrict the number of grants to a total of four per competition. The grants will cover expenses of Canadian researchers visiting Africa related to travel, research and communication. Please note that the deadline for submission of all applications to the AUCC is **July 30, 1999.** In order to enhance opportunities for the sustainability of project results, the SGACR requires that applicants have the support of both the sending and hosting institutions, demonstrated by letters from both institutions as well as signatures on the budget page by appropriate authorities. If you have questions on the program and its selection process, please do not hesitate to contact my colleague, Mr. Dominique Van de Maele, who is the officer responsible for the management of this program at AUCC. 600-350 Albert, Ottawa, ON K1R 1B1. Tel: (613) 563-1236; fax: (613) 563-9745; <http://www.aucc.ca>

Network News

We continue to have intermittent problems with **Pegasus Mail** and File Attachments. A new upgrade version has just arrived and has started testing. With luck we should see it out sometime this month.



Sent: February 18, 1999 12:43 PM

Subject: **Requesting Queens Computing Accounts**

To all DCReps:

Effective immediately, all new personal, departmental and academic course computing accounts (ie. QSILVER, POST, TELNET1, or JEFF-LAB) must be requested through a DCRep. The DCREP (Kevin) will request the account and turnaround is approximately 24 hours once the request form is completed and submitted. After the account has been created the userid and password is sent back to the DCRep to issue to the individual requesting the account.

UNDERSTANDING COMPUTER JARGON

Users.

Collective term for those who stare vacantly at a monitor. Users are divided into three types: novice, intermediate and expert.

- Novice Users. People who are afraid that simply pressing a key might break their computer.
- Intermediate Users. People who don't know how to fix their computer after they've just pressed a key that broke it.
- Expert Users. People who break other people's computers.

Queen's Accounts With A Hackable Password Are Being De-activated (post, qlink)

We all know that our passwords protect our privacy and are our security, yet we resist changing them. Recently Queens ITS implemented a practise of scanning our servers looking for "hackable" passwords. This is a huge undertaking and has to be done in stages.

This affects ONLY POST and QLINK accounts.

When we discover a "hackable" password we send an email message to the user explaining that they have an unsafe password and it should be changed. Shortly after, if they haven't chosen a safer password, we deactivate their account. Most people have been accepting of this but others have been irate at what they consider an abuse of power. They cannot understand why anyone would want to hack into someone else's account with malicious intent, or how they could compromise the security of the entire Queen's Network.

Can you imagine how you would feel if email was sent from your account to a family member saying you hated them and wished they were dead. Or email was sent to your boss saying he/she was an incompetent fool! If someone hacks into your account, it could happen to you. It has happened to others! Security is everyone's responsibility.

Bad Passwords:

I thought my password was "safe". What shouldn't I use as a password?

Do Not use ANY dictionary word or personal information, modified in ANY way.

Do Not Use Someone's name

Do Not Use Your birth date

Do Not Use Your pet's name

Do Not Use Names or words spelled backwards

Do Not Use Words in different languages

Do Not Use corrupted versions of a word. (replacing an e with a 3 or a o with a 0 or a l with a 1)

Do Not Use words with numbers added to the beginning or end

Good Passwords:

Before you change your password give it some thought. You want to chose something that will be easy for you to remember, but will be "safe". You might try putting together an acronym that is special to you, like "Notfsw (None of this fancy stuff works), or Ttl*Hiww (Twinkle, twinkle little star, How i wonder what...) But don't use these... because they have been published!

The best password is a random string of letters (mixed case, of course), numbers, and special symbols (!\$, etc). The trouble with this is that such passwords are very hard to remember, and so get written down.

Here are a few tips for choosing a "good" password.

A combination of upper and lower case characters, numbers and symbols

Use different passwords for different account

If you have to write it down, don't write your password down with your account. Use it only if you can't remember what you changed your password to.

Don't give your password to anyone

Longer is better than shorter.

Passwords are harder to guess if they mix the case of letters and have digits and/or punctuation characters along with letters.

Passwords should be easy to remember and easy to type.

Put together an acronym that is special to you, like "Notfsw (None of this fancy stuff works), auPEGC (all unix Programmers Eat Green Cheese), or Ttl*Hiww (Twinkle, twinkle little star, How i wonder what...).

Y^{2K}

203 days, more or less, to go. A countdown clock is now available on our Home Page.

Queen's modem dial-in numbers have changed - CONVERT NOW!

Please note: This change only affects dial-up users (on-campus ethernet connections, Queen's at Home and ResNet users are NOT affected).

Service	Old Number	New Number
Toll 28K	548-3172	533-0643
Toll 56K (V.90)	533-0000	533-0646
Telnet	545-0383	533-0360

Trivia:

© There were approximately 10,064 pieces of email in and out of the Department during the month of May 1999.

High School Enrichment Courses

by Carla Cuthbert

The month of May conveyed with it the **High School Enrichment Courses** offered to high school students at Queen's University during the weeks of the 10th and the 17th. The Department of Pathology offered two courses this year; **Cancer Research** taught by Suzie Abu-Abed and Mario Murreda and **Pathology: A growing field in Medicine** instructed by Carla Cuthbert, Jason Sack and Tim Childs.

The Cancer Research course was targeted towards 9th and 10th grade high school students and covered topics relating to the basic and cellular biology of carcinogenesis. The students were taken on tours of both the anatomy museum and the Kingston Regional Cancer Centre (KRCC). Guest speaker Cara Rinaldi, a genetic counselor associated with the Familial Oncology Program at the KRCC, gave insights into the clinical aspects of cancer. Three cancer patients also conveyed their personal experiences about their bone marrow transplants and recovery from leukemia.

The course in Pathology covered aspects of cell injury and the fundamentals of inflammation and repair. The students had significant hands-on exposure to relevant pathology specimens that effectively illustrated topics covered in lectures. Students also learned the steps involved in the processing of surgical samples, taking patient histories and performing autopsies. Genetic disorders were also explored and this was followed by engaging discussions on ethical issues surrounding various advances in Biotechnology. Guest speakers included Dr. Ford and her riveting talk on Forensics, Dr. LeBrun's insights on being both a Pathologist and Researcher and Dr. Lillicrap's discussion on Gene Therapy. Students were also able to visit the Anatomy Museum, the Autopsy Suite and explored various techniques used in the Richardson Research Laboratories.

Altogether, the courses were enjoyed by all, students and instructors alike and all the instructors wish to again thank everyone who helped to make these two weeks a success.

Article Submissions

SUBMISSION DATE: Pathology News will be mailed to all faculty, housestaff, graduate students, and anyone who requests it on the Thursday following the first Monday of the month. The next deadline date for submission will be **Monday, July 5th, 1999**.

Send items (in order of preference) by: 1) email, 2) floppy disk, 3) paper mail, or 4) FAX.

Please type or print your submission and have it in a form ready to cut and paste into the newsletter. Don't forget to indicate who submitted the information.