

BULLETIN

EDITED BY
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CANADIAN SOCIETY FOR IMMUNOLOGY
SOCIETE CANADIENNE D'IMMUNOLOGIE

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AUDITORS' REPORT

We have examined the balance sheet of the Canadian Society for Immunology as at May 31, 1987 and the statement of receipts and disbursements for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the society as at May 31, 1987 and the results of its operations and the changes in its financial position for the year then ended in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

The prior year's financial statements were audited by other accountants and are presented for comparative purposes only.

Toronto, Ontario
November 20, 1987

Wainman + Kydd.
Chartered Accountants

THE CANADIAN SOCIETY FOR IMMUNOLOGY
(Incorporated under the laws of Canada
without share capital)

BALANCE SHEET

AS AT MAY 31, 1987

(with comparative figures as at May 31, 1986)

ASSETS

	<u>1987</u>	<u>1986</u>
Current		
Cash	\$ 18,154	\$ 10,458
Term deposits		258,900
Advance on C.S.I. Symposium		2,000
Accounts receivable	<u>6,715</u>	<u> </u>
	<u>\$ 24,869</u>	<u>\$271,358</u>

LIABILITIES AND SURPLUS

Current		
Accounts payable and accrued liabilities	\$ 12,535	
Due to member	<u>268</u>	
	<u>12,803</u>	
Surplus		
Balance, beginning of year	271,358	\$ 88,627
Excess of (expenses over revenues) revenues over expenses for the year	<u>(259,292)</u>	<u>182,731</u>
Balance, end of year	<u>12,066</u>	<u>271,358</u>
	<u>\$ 24,869</u>	<u>\$271,358</u>

(see accompanying note)

THE CANADIAN SOCIETY FOR IMMUNOLOGY
STATEMENT OF RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDED MAY 31, 1987

(with comparative figures for the year ended May 31, 1986)

	<u>1987</u>	<u>1986</u>
Revenues		
Membership fees - including levies to the Canadian Federation of Biological Sciences and Inter- national Union of Immunological Sciences	\$ 12,899	\$ 17,436
Interest	21,985	8,802
Bulletin		725
CSI Symposia	6,715	
Journal	376	3,126
CSI social event		7,293
Sponsorships and donations received re: the 6th International Congress	25,500	190,955
Other - T-shirts	<u>9,103</u>	<u> </u>
	<u>76,578</u>	<u>228,337</u>
Expenses		
Levies		
Canadian Federation of Biological Sciences	6,545	8,225
International Union of Immunological Societies	478	670
Meetings - CSI Symposia	4,935	9,898
Funds advanced to the National Research Council re: the 6th International Congress	304,482	11,100
Promotion of 6th International Congress	11,229	7,500
Printing and copying	725	532
Office and postage	894	1,288
Dinner		2,779
Typing	511	935
Professional fees	2,147	903
Youth Science Foundation		
Membership	100	
Perey Award		108
Canadians for Health Research		
Membership	100	100
Bulletin and other	1,761	1,470
Bank charges	72	98
T-shirts	765	
Science policy	<u>1,126</u>	<u> </u>
	<u>335,870</u>	<u>45,606</u>
Excess of (expenses over revenues) revenues over expenses for the year	<u>\$ (259,292)</u>	<u>\$182,731</u>

(see accompanying note)

THE CANADIAN SOCIETY FOR IMMUNOLOGY

NOTES TO THE FINANCIAL STATEMENTS

MAY 31, 1987

1. Significant accounting policy

The Society accounts for all revenues and expenses on the accrual basis. Prior to this year the Society accounted for all revenues and expenses on the cash basis.

The effect of this change in accounting policy on the financial statements is considered immaterial and therefore prior period financial statements have not been restated to reflect the change.

Research Correspondence from the Montreal area

M.G. Baines

A recent appeal for contributions from our Montreal area colleagues produced an excellent response from several McGill based research programs. This issue will therefore feature exclusively the Immunology research based at the Montreal General Hospital. The MGH is situated on Mount Royal overlooking the city center and comprises a full service modern hospital with a well established Research Institute. Under the guidance of professor and chairman, Dr. Phil Gold, well known for his pioneering work on carcinoembryonic antigen (CEA), the Department of Medicine includes several strong research units whose primary focus is Clinical Immunology. Dr. J. Shuster is director of the division of Clinical Immunology and Allergy whose clinical research staff includes Drs. S.O. Freedman, D.M.P. Thomson, E. Skamene, D. Danhoff, C. Tsoukas and S.D. Somerfield. In addition, the MGH Research Institute accommodates basic immunology research staff including Drs. P.A.L. Kongshavn, M. Stevenson, E. Ghadirian, F. Gervais, N. Phillips, J. Phillips and T. Owens.

There are three major areas of research activity. Drs Shuster, Gold and Thomson are mainly interested in tumor immunology, with particular emphasis on the use of tumor antigens for immunodiagnosis of human tumors. The focus has been on CEA but more recently, Dr. Thomson has identified a novel new group of tumor antigens, which are in the process of being cloned with the collaborative assistance of Dr. Clifford Stanners at the McGill Cancer Centre. Dr. Chris Tsoukas is one of the country's leading investigators in AIDS. He is following the natural history of HIV infection in hemophilia. The third area of research concerns host resistance and involves Drs. Skamene, Kongshavn, Stevenson, Ghadirian, and Gervais. They are using mouse genetic models to identify a variety of host parameters that are responsible for increased susceptibility to and/or resistance to a variety of infectious agents, arteriosclerosis, and disorders associated with aging. Dr. Trevor Owens, who has recently joined the group, is working in the field of autoimmunity and the role of the T cell in immunoregulation.

The division of Rheumatology directed by Dr. John Esdaile, has a strong interest in Immunology. The clinical Research staff include Dr. S. Brandwein, S. Duby, J. Paquin, J. Shiroky, H. Tannenbaum, and C. Watts. Drs. J. Rauch and M. Newkirk are basic immunology researchers within this division. The interests of Dr. Rauch include the study of the idiotypes and specificities of monoclonal autoantibodies derived from patients with systemic lupus erythematosus or rheumatoid arthritis. The autoantibodies studied by Dr. J. Rauch include anti-DNA, anticoagulant, anti-phospholipid, anti-platelet and anti-erythrocyte specificities. The objectives of these studies is to characterize cell membrane determinants reactive with autoantibodies and to determine their functional effects on cell-cell interactions. Dr. M. Newkirk has found that human anticytomegalovirus antibody was highly homologous to the major idiotypic family of human rheumatoid factors. She wants to extend this study to another group of anti-viral antibodies, specifically EBV, to see if there are any further parallels between the immune response to common viruses and the production of autoantibodies. In collaboration with Dr. Joyce Rauch and Trevor Owens, human monoclonal antibodies will be derived with the above mentioned specificities and then analyzed structurally using a combination of protein chemistry and molecular biology. Dr. Brandwein is concerned with amyloid and the role of a variety of growth factors in immunoregulation. He is collaborating with Dr. Francine Gervais who has a parallel interest in amyloid.

Another group situated in the MGH Research Institute and directed by Dr. J. Wall is involved in studies of autoimmune thyroiditis. The group consists of both clinical (Drs. E. Laryea and J. How) and basic research staff (Drs N. Bernard and H. Triller) plus research fellows and graduate students. The main focus of the unit is to study immunological aspects of autoimmune thyroid disorders and Graves' Ophthalmopathy, in order to determine the underlying mechanisms for association with autoimmune disorders involving the endocrine glands. In recent years, they have studied, in detail, the progressive eye abnormality which associates with Graves' Hyperthyroidism and Hashimoto's Thyroiditis, as a model for autoimmune disorders. There is now strong evidence that the association of this disorder with thyroid and orbital cells, the principal target being 64 KD protein which is also expressed in islet cells and perhaps other cells which are the targets for autoimmune disorders.

A recent development within the MGH Immunology Research community has been the development of a Center for the Study of Host Resistance directed by Dr. Emil Skamene. The aims of this program are to analyze animal models of human disease whose genetic regulation of host resistance or susceptibility can be functionally analyzed. New strategies will be developed to study multigenic traits using molecular genetics and epidemiological studies. The molecular and genetic basis of tumor multidrug resistance will be studied and novel approaches using immunopharmacology to correct inherited or acquired susceptibility will be developed. The staff includes researchers with both clinical and fundamental immunology training. This expertise includes clinical immunology, immunogenetics and biology of antibacterial defences (Emil Skamene), cellular immunology and immunoparasitology (Patricia Kongshavn), macrophage biology and immunopathology (Mary Stevenson), biology of inflammatory response and of anti-viral defenses (Francine Gervais), biology of interleukins and of anti-parasitic defences (Esfand Ghadirian), surgery and biology of anti-tumor defences (Gustavo Bounous), immunopharmacology and biology of anti-tumor defenses (Nigel Phillips), flow cytometric analysis of the host defense cellular components and immunopotential in acquired immunodeficiency states (Christos Tsoukas), molecular genetics of antimicrobial and antitumor host resistance (Philippe Gros) and studies of the molecular biology of T lymphocytes (Trevor Owens). This existing expertise is being enhanced by recruitments to the Centre of additional members with expertise in lymphopoiesis and responses of B lymphocytes to infection and malignancy (Carolyn Pietrangeli,) in biochemistry and host response to high-cholesterol diet (Jean Phillips), in clinical infectious diseases and host responses to nematode parasites (David Freedman), and in the molecular biology of interleukins (Miodrag Belosevic).

As a result of the development of immunology at the Montreal General Hospital, there are openings for both students and staff. Further information can be obtained by writing to the appropriate research division at the MGH, 1650 Cedar Ave, Montreal, Quebec, H3G 1A4 (Phone (514) 937-6011).

M.G. Baines (514) 398-3928
Department of Microbiology and Immunology
3775 University Street
Montreal, Quebec, H3A-2B4

CALGARY
(John Reynolds)

In November, 1987 the Heritage Medical Research Building was officially opened. The \$28 million building was funded by the Alberta Heritage Foundation for Medical Research, a program set up by the Provincial Government to help develop a strong base of medical research in Alberta. Since its establishment in 1979, about xx Heritage Research Scholars have been appointed at the University of Calgary, about 7 of them immunologists. The new building, which is attached to the University of Calgary Health Sciences Center, adds about 80,000 square feet of laboratory and office space. One of the first researchers to move into the new building was Tim Lee the most recent immunologist appointed as a Heritage Research Scholar. Tim is an immunoparasitologist whose current investigations deal with the form and function of gastrointestinal eosinophils and with the development of a molecular vaccine against *Ascaris*. He is part of a new Research Group whose focus is on diagnostic and therapeutic molecular biology. Other new groups that could lead to the recruitment of more immunologists include those dealing with joint injury and disease, and the molecular basis of human disease. The research on one whole floor of the building will be devoted to cancer. The Immunological Sciences Research Group has also been given a mandate to recruit a number of new faculty. Another major development will be the Jessie Boden Lloyd Professorship in Immunology Research which is currently being established. Mrs Lloyd of Calgary made available funds for the Professorship and an application has been made for matching funds from the Provincial Government. These developments will help accelerate the expansion in immunological research in Calgary.

A number of faculty at the University of Calgary are making extensive use of electronic mail to communicate with researchers in other institutions. I have used this method to contact colleagues in Canada, USA and Europe. It is fast, usually less than 24 h for a reply, cheap, as little as 20 cents, and convenient for carrying out collaborative projects, looking for advice when setting up new methods, and preparing manuscripts with colleagues in other locations. The Federation of American Societies of Experimental Biology has asked its members to include their electronic mail addresses and networks (eg, BITNET or ARPANET) in its Member's Directory. The number of users of the system is relatively small but growing very quickly and the problem is often to know the addresses of others using the system. It will be some time before immunology labs are linked via electronic mail but the inclusion of electronic mail addresses of CSI members in its directory would be an important beginning. The next step would be the establishment of at least one contact address for immunologists in each region. The neurophysiologists in North America already have an electronic bulletin board for communication and the rapid dissemination of information. I would be pleased to hear any views on whether the members feel that such a system should be fostered for immunologists as well. My address is JReynold @ UNCAMULT.BITNET

IMMUNOLOGY IN HALIFAX

In Halifax, most of the immunological research is carried out at Dalhousie University where immunologists are spread throughout a number of faculties and departments. The following is an introduction to these individuals and their research interests.

Dr. Ron Carr (Rheumatology): Dr. Carr is studying the immunoregulatory abnormalities in autoimmune mice specifically with respect to the potential of bioactive peptides from food to potentiate dysregulation.

Dr. Andrew Issekutz (Pediatrics): Dr. A. Issekutz is investigating the role of macrophage products and endothelial cells in inflammatory reactions and tissue injury from immune complex and bacterial induced inflammatory reactions.

Dr. Tom Issekutz (Pediatrics): Dr. T. Issekutz is studying lymphocyte migration into sites of virally induced and T cell mediated cellular immune reactions with particular emphasis on T cell-endothelial interactions.

Dr. Louis Fernandez (Hematology/Oncology): Dr. Fernandez is looking at feedback regulation of B cell proliferation by peripheral blood cells from normal individuals and patients with chronic lymphocytic leukemia.

Dr. Tarunendu Ghose (Pathology): Dr. Ghose is producing monoclonal antibodies against human tumor associated antigens and is using the antibodies for targetting of drugs and radionuclides.

Dr. Leon Kind (Microbiology): Following a long and interesting career studying the regulation of IgE, Dr. Kind will be retiring in the fall of 1988.

Dr. Spencer Lee (Microbiology): Dr. Lee is interested in the development and application of methods identifying human interferon alpha and gamma producing cells in peripheral blood and at inflammatory sites.

Dr. Mike MacSween (Medicine): Dr. MacSween is interested in the relevance of histocompatibility differences between transplant donors and recipients to graft survival and is approaching this problem by documenting the lymphokine responses in human mixed lymphocyte reactions.

Dr. Gilles Olivier (Fisheries): Dr. Olivier, who is situated in the department of Fisheries rather than in the university, is studying the immune response of fish to pathogenic bacterial infections.

Dr. Bill Pohajdak (Biology): Dr. Pohajdak, the most recent recruit to Halifax, is studying the molecular events involved in natural killer cell activity.

Dr. Barbara Pope (Pharmacology): My interest is tumor immunology, specifically the mechanisms of tumor induced immunosuppression and of natural cytotoxic activity.

Dr. Geoffrey Rowden (Pathology): Dr. Rowden is interested in cutaneous immunity with reference to the positive role of Langerhans cells and keratinocytes and to possible mechanisms of immune suppression in the skin.

Currently, there are potential tenure track openings for immunologists at Dalhousie University. The first is in the Department of Microbiology which is actively seeking a cellular or molecular immunologist. Researchers interested in immunoregulation may also apply to join an exciting new group which is being established with the help of the National Cancer Institute of Canada. Members of this group will be involved in research relating to the control of cell proliferation as it relates to cancer research. At this time, positions have been filled in the areas of DNA replication and the molecular basis of metastasis.

External Referee Reports for MRC

MRC is the largest single source for funding of immunological research in Canada today. Given the limited resources available, it is particularly important that the Immunology-Transplantation grants panel makes its ratings as fairly as possible. External reviews are an extremely important part of the process. Unfortunately, not everyone asked returns a review. In the last competition (New grants, rated in December, 1987) the response was particularly bad, perhaps because the mail strike delayed the process. The figures were as follows:

Reviewer Class	Review Requests	Review Returns (%)	
Current MRC grant holders	77	56	73%
Canadian, not current MRC grant holder	20	13	65%
Non Canadian	25	13	52%
Total	122	82	67%

The Immunology-Transplantation grants panel members urge you to respond to requests for reviews. For us, the most important part of the review is a critical examination of the strengths and weaknesses of the proposal rather than a detailed summary. A review need not be longer than one page. Reviews are most useful when they are sent to Ottawa in time to be duplicated and mailed out to panel members before the panel meets. However, reviews received as late as the day of the meeting itself are still useful.

R.G. Miller
Chairman
MRC Immunology-Transplantation
grants panel

REPORT ON THE 1988 SCIENCE POLICY MEETINGS
WITH THE FEDERAL GOVERNMENT

INTRODUCTION:

The National Consortium of Scientific and Educational Societies which is comprised of some 35 groups representing 55,000 researchers and over 400,000 students conducted its annual meetings with the Federal Government during the week of January 24, 1988. Approximately 90 members of the Consortium met with 120 members of Parliament and senior bureaucrats.

Consortium members attended an initial 2-hour information session where up-to-date information was provided on the funding of the granting councils and research at Canadian universities and Canadian and international student issues. Each Consortium member received information packages to be given to members of Parliament they were to meet.

MAJOR ISSUES:

The discussions of science and educational policies were centered upon funding to the Granting Councils and universities, and Canadian and international student issues. Regarding funding of the Granting Councils, the Consortium agreed with the Lortie recommendation of the National Advisory Board on Science and Technology which called for doubling the budgets to the three Granting Councils over the next 2 years and thereafter, indexing the growth of their budgets to 1.5 times the growth of GNP.

We urged that a significant portion of the \$ 1.3 billion announced by the Prime Minister in January for supplementary funding must be employed to achieve the recommendations of the Lortie Report. We supported the proposal that some of this money be used for scholarships and another portion of it for the creation of Centres of Excellence. However, the Centres of Excellence must be awarded on the basis of quality under rigorous peer review by the Granting Councils.

The funding of Canadian universities was a second major component for discussion. We acknowledged the Government's contributions through the organization of the National Forum on Post Secondary Education and recommended that a continuation of the cooperation engendered by that forum occur through the establishment of a Tripartite Advisory Committee on Post Secondary Education.

The National Consortium also recommended that issues of student aid be addressed to abolish economic barriers to accessibility. We recommended coordination of policy on international students among different governments and their departments. Barriers that exist to deter international students from attending Canadian universities must be evaluated in the context of recommendations such as those in the Winegard Report (External Affairs and International Trade) which recommends that Canada must be more open and active in the global community.

cont.....

EVALUATION:

In general the discussions were viewed to be important and constructive. It is clear that voices of scientific, academic and student communities are strong and more unified than ever before. However, it is increasingly crucial that such discussions increase and are not merely critical of government policy, but also constructive and thought-provoking. We should be pleased by recent progress but must also continue to have a strong presence in Ottawa and improve our communications with elected officials and the public. Dr. Clement Gauthier, the Science Policy Officer of the Canadian Federation of Biological Societies and the Chairman of the National Consortium of Educational and Scientific Societies must be highly commended for his tireless efforts and leadership in Ottawa.

The Canadian Society for Immunology was represented by three members in the discussions, namely Drs. Dean Befus (University of Calgary), Michel Fournier (University du Quebec au Montreal) and Ken Rosenthal (McMaster University). Any members of the Society interested in participating in the 1989 discussions are asked to contact Dr. Befus.

.....
Dean Befus

ATTENTION GRADUATE STUDENTS

The Society again will be sponsoring two award programmes for Graduate Students for the 1989 CSI SPRING MEETING to be held at Lake Louise, Alberta. These include a Competition for the Best Poster Presented by a Graduate Student, and a Travel Bursary Programme. Travel Bursaries are awarded by competition and provide for the reimbursement of expenses incurred for attendance at the meeting up to a maximum of \$500.00.

A Bursary Programme for students who will be presenting at the International Congress in Berlin in 1989 is also planned.

To be eligible for these awards, individuals must be student members of the CSI. If you are not yet a member, speak to your supervisor about applying.

CONGRATULATIONS TO MS. WANDA VERNON

Ms. Wanda Vernon, a high school student in Carstairs, Alberta was awarded the Canadian Society for Immunology Perey Memorial Award for her project on Mast Cells and Allergies at the 1987 Canada Wide Science Fair sponsored by the Youth Science Foundation.

ANNOUNCEMENT*ANNOUNCEMENT*ANNOUNCEMENT

TRAVEL BURSARY PROGRAMME FOR BERLIN CONGRESS

The Society will sponsor a travel bursary programme for members of the CSI to attend the SEVENTH INTERNATIONAL CONGRESS OF IMMUNOLOGY IN BERLIN 1989.

Competition for bursaries will be held in three categories for members of the CSI who will be presenting work in Berlin. These will include:

- a) Graduate Students
- b) Postdoctoral Trainees, and
- c) Young Investigators within three years of their first appointment.

The means of application for this programme and the mode of competition and selection will be announced in future editions of the BULLETIN. Watch for further information.

INVITATION FOR MEMBERS
TO NOMINATE
CANDIDATES FOR THE
THIRD ANNUAL CINADER LECTURESHIP

The Society, under the sponsorship of the Connaught Research Institute, established the Cinader Lectureship in 1987. This is a mechanism by which to honour the outstanding contributions to immunology of a scientist who has done high quality work at an important interface of immunobiology. The Society now invites nominations from all members for Candidates for the Third Cinader Lectureship which will occur in conjunction with the Society's Spring Scientific Meeting to be held in March, 1989 at Lake Louise.

Nominations for the Lectureship should include:

1. A curriculum vitae of the candidate, and
2. A statement by the nominator(s) of the nature of the achievements and the relevance of the candidate's work to immunobiology.

Nominations from all members of the Society are invited, and should be submitted to the Chairman of the Nominations Committee (i.e. the immediate Past President of the Society),

Dr. J. BIENENSTOCK, Department of Pathology,
Room 2N16, Health Sciences Centre,
McMaster University,
1200 Main Street, HAMILTON, ONTARIO, L8N 3Z5.



Faculty of Medicine
Dalhousie University

TENURE - TRACK POSITIONS CONTROL OF CELL PROLIFERATION

As part of a major new initiative in the area of cancer research, we are seeking investigators with expertise in, but not limited to, areas such as:

**Viral Oncology
Development or Differentiation
Oncogenes**

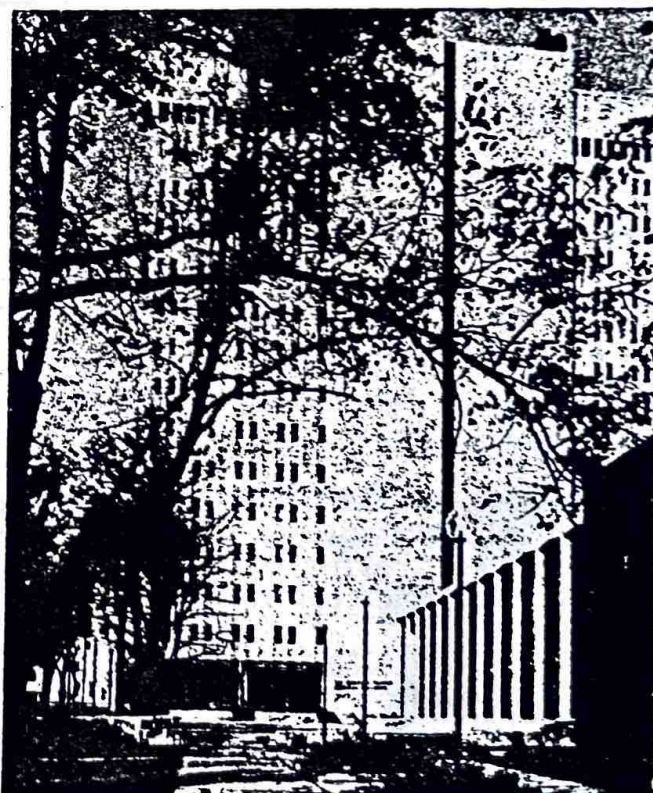
**Growth Factors
Metastasis
Immunoregulation**

Depending on the training, experience and academic interests of the successful candidates, appointments will be made at the level of **Assistant or Associate Professor** and will be tenable in appropriate clinical and/or preclinical departments. Applications are sought from individuals who have a Ph.D. or M.D. degree, postdoctoral experience and an established research record.

Applicants should submit a curriculum vitae, a brief description of future research interests and three letters of reference to:

**Dr. G.C. Johnston:
Cell Proliferation Search Committee
Office of the Dean
Faculty of Medicine
Dalhousie University
Halifax, Nova Scotia
Canada B3H 4H7
(902) 424-6465**

Dalhousie University has a policy of affirmative action in hiring qualified women academic staff and in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.



APPLICATION FOR MEMBERSHIP

DEMANDE D'ADHÉSION

NAME OF APPLICANT

NOM DU CANDIDAT

POSITION

POSTE

INSTITUTION

MAILING ADDRESS

ADRESSE POSTALE

Telephone number

Numéro de téléphone

PROFESSIONAL QUALIFICATIONS
(Degrees)FORMATION PROFESSIONNELLE
(Diplômes universitaires)

Special field(s) of interest

Sujet(s) d'intérêt particulier

Signature of Applicant
(Date)Signature du candidat
(Date)SPONSORS (2 members of the
Canadian Society for Immunology)PARRAINS (2 membres de la
Société canadienne d'immunologie)

1. Name/ Nom _____

2. Name/Nom _____

Address/ Adresse _____

Address/ Adresse _____

Signature _____

Signature _____

INDICATE MEMBERSHIP CATEGORY
RECOMMENDEDINDIQUER LA CATÉGORIE
RECOMMANDÉE

1. Member _____ Membre

2. Associate member _____ Membre associé

3. Emeritus member _____ Membre émérite

4. Student member _____ Membre étudiant

Applicants should append a curriculum
vitae and a list of publications with
full titles.Les candidats doivent joindre un
curriculum vitae et une liste des
publications incluant les titres.Please complete this form, obtain
signatures of Sponsors, and return
with 11 copies, including appendices
to::Veuillez compléter ce formulaire,
obtenir les signatures des parrains,
et le faire parvenir en 11 copies
(y compris les appendices) a:CSI c/o, Dr. C.A. Ottaway, Room 6360,
Medical Sciences Building, University of Toronto,
1 King's College Circle,
Toronto, Ontario, Canada, M5S 1A8.I wish to receive correspondence
in English _____Je desire recevoir la correspondance
en francais _____