



BULLETIN

CANADIAN SOCIETY FOR IMMUNOLOGY
SOCIÉTÉ CANADIENNE D'IMMUNOLOGIE

JUNE, 1993

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University of Manitoba, Winnipeg, MB, R3E 0W3**

UN MESSAGE DU PRÉSIDENT

Lors des deux prochaines années, j'espère utiliser le Bulletin afin de vous communiquer, membres de la SCI, les événements ou changements qui pourraient affecter le fonctionnement de notre société.

Au nom des membres de la SCI, je voudrais remercier le Dr. Linda Pilarski et les autres membres du comité d'organisation local de Linda, les Drs. K. Kane et H. Ostergaard, pour leur superbe travail d'organisation lors de la septième conférence printanière au Lac Louise en mars. Je tiens spécialement à remercier Debbie Neufeld, la coordinatrice de la conférence, pour son excellent travail lors de la préparation et tout au long de la réunion au Lac Louise. Son sourire, sa gentillesse et son aide ont été fortement appréciés par tous ceux qui l'ont côtoyée pendant la conférence. Merci à Linda et Debbie pour leur excellent travail.

Les conférences annuelles continuent à remporter un fort succès. Elles présentent la seule occasion de réunir les membres et les membres étudiants. Le succès de ces rencontres dépend en grande partie de l'appui financier des corporations commanditaires et exposantes. Nous sommes très reconnaissants du soutien de ces compagnies et nous encourageons nos membres à penser à eux lors d'achats d'animaux, de fournitures et/ou d'équipements.

CORPORATIONS COMMANDITAIRES

Les corporations qui ont subventionné différentes activités de la conférence (symposias, ateliers, prix étudiants, voyages, etc.) sont les suivantes:

Becton Dickinson Canada, Inc.
Bio-Méga Inc.
Cedarlane Laboratories Ltd.
Charles River Canada
Connaught Laboratories Ltd.
Genentech, Inc.
Gibco BRL
Glycomed, Inc.
Harlan Bioproducts for Science, Inc.
ICOS Corp.
PDI Bioscience
Sandoz Canada Inc.
Syntex Inc.
The R.W. Johnson Pharmaceutical Research Institute
The Upjohn Company of Canada

A MESSAGE FROM THE PRESIDENT

During the next two years I hope to use the bulletin as a venue to report to the members of the CSI on any events or developments that may affect the functioning of the CSI.

On behalf of the CSI members I wish to thank Dr. Linda Pilarski and other members of Linda's local organizing committee, Drs. K. Kane and H. Ostergaard for the superb job they did in organizing a very successful Seventh Spring meeting of the CSI at Lake Louise in March. I wish to especially thank Debbie Neufeld, Conference Co-ordinator for an excellent job at both the pre-meeting phase and during the meeting at Lake Louise. Her cheerful, pleasant and helpful attitude was much appreciated by all those that contacted her during the meeting. To Linda and Debbie we wish to thank you for a job well done.

The annual meetings continue to be successful and function as the only opportunity during the year to bring the members and student members together. The success of these meetings depends largely on the financial support that we receive from corporate sponsors and exhibitors. We are very grateful for the support provided by the following firms and encourage members to consider them when purchasing animals, supplies, and/or equipment.

CORPORATE SPONSORS

Corporations that have made contributions to support different aspects of the meeting (symposia, workshops, student prizes, travel etc.).

Becton Dickinson Canada, Inc.
Bio-Méga Inc.
Cedarlane Laboratories Ltd.
Charles River Canada
Connaught Laboratories Ltd.
Genentech, Inc.
Gibco BRL
Glycomed, Inc.
Harlan Bioproducts for Science, Inc.
ICOS Corp.
PDI Bioscience
Sandoz Canada Inc.
Syntex Inc.
The R.W. Johnson Pharmaceutical Research Institute
The Upjohn Company of Canada

COMPAGNIES EXPOSANTES

Les corporations qui ont acheté des emplacements pour leurs exhibitions sont les suivantes:

Amersham (Canada) Ltd.
Becton Dickinson Canada, Inc.
Bio-Rad Laboratories (Canada), Inc.
Canadian Council on Animal Care
Cedarlane Laboratories Ltd.
Charles River Canada
Coulter Electronics of Canada, Ltd.
Dynal, Inc.
Harlan Bioproducts for Science
Inter Medico
Millipore (Canada) Ltd.
PDI Bioscience
Serotec Canada

La huitième conférence printanière aura lieu du 11 au 14 mars 1994, à Le Chantecler, St. Adèle, Québec. Il s'agit d'un hôtel situé au nord de Montréal, juste à quelques kilomètres au nord de l'Auberge Mont Gabriel, lieu où se sont tennues les conférences précédentes à l'Est. Le Dr. Michael Ratcliffe, du département de Microbiologie et d'Immunologie de l'Université McGill, Montréal, a à nouveau accepté de présider le comité d'organisation local. Le Dr. Linda Pilarski, vice-président de la SCI, Université d'Alberta, va présider le comité du Programme Scientifique. Si vous aviez des suggestions concernant les thèmes des symposias, contactez Linda. Le Dr. Rick Miller, Université de Toronto, présidera le comité de la conférence Cinader. Les conférenciers Cinader précédents ont toujours été des immunologistes éminents. Cependant, les nominations restent peu nombreuses chaque année. Nous encourageons donc les membres de la SCI à envoyer des nominations à Rick concernant le conférencier Cinader de 1994.

Le transfert des dossiers et des informations du bureau du Secrétaire-Trésorier à Toronto au Dr. John Wilkins, Secrétaire - Trésorier présent de la SCI, de l'Université du Manitoba, a considérablement ralenti la mise à jour des listes de membres, etc. Par conséquent, certains membres n'ont peut-être pas payé leurs cotisations annuelles. Ces derniers n'apparaissent donc pas sur la liste des membres. John Wilkins est en train d'effectuer un superbe travail en tentant de rétablir une nouvelle liste de membres. Il serait fortement apprécié que tous les membres payent leurs cotisations aussi vite que possible. Si vous connaissez des anciens membres qui n'ont pas reçu le Bulletin de la SCI depuis quelques temps, demandez-leur S.V.P. de contacter John Wilkins. Ses numéros de téléphone et de FAX sont (204) 787-4020 et (204) 787-2420, respectivement. Nous serions reconnaissants de toute aide que les membres pourraient apporter afin de rétablir la communication avec d'anciens membres malencontreusement rayés de la liste précédente.

Si vous aviez des questions au sujet de la SCI, n'hésitez pas à me contacter, ou contactez d'autres membres de l'Exécutif.



Wayne S. Lapp

EXHIBITORS

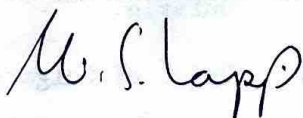
Corporations that purchased exhibit space.

Amersham (Canada) Ltd.
Becton Dickinson Canada, Inc.
Bio-Rad Laboratories (Canada), Inc.
Canadian Council on Animal Care
Cedarlane Laboratories Ltd.
Charles River Canada
Coulter Electronics of Canada, Ltd.
Dynal, Inc.
Harlan Bioproducts for Science
Inter Medico
Millipore (Canada) Ltd.
PDI Bioscience
Serotec Canada

The Eighth Spring Meeting will be held from March 11-14, 1994 at Le Chantecler, St. Adele, Quebec, which is a hotel resort north of Montreal (mark this date in your calendars now). Le Chantecler is just a few km north of Auberge Mont Gabriel where the previous meetings were held in the East. Dr. Michael Ratcliffe, Department of Microbiology and Immunology, McGill University, Montreal, has again agreed to chair the local organizing committee. Dr. Linda Pilarski, Vice-President of the CSI, University of Alberta will be Chairing the Scientific Program Committee. If you have suggestions for Symposia Topics you may contact Linda. Dr. Rick Miller, University of Toronto will be Chairing the Cinader Lecture Committee. All previous Cinader Lecturers have been outstanding Immunologists, however, the number of nominees has been quite low each year. We encourage the CSI membership to send nominations to Rick for the Cinader Lectureship in 1994.

During the transfer of records and information from the Toronto Secretary-Treasurer's Office to Dr. John Wilkins, the present CSI Secretary-Treasurer at the University of Manitoba, it has taken some time to sort out the membership lists etc. As a result some members may not have paid their annual dues and as a result may not appear on the membership list. John Wilkins is doing a superb job at establishing a new membership list. It would be greatly appreciated if all members would pay their dues as soon as possible, and if you know of past members that have not received the CSI bulletin for some time please ask them to contact John. His phone and Fax numbers are (204) 787-4020 and (204) 787-2420, respectively. We would appreciate any assistance that members could give us in reestablishing communication with old members that may have inadvertently been deleted from the membership list.

If you have concerns or questions regarding any aspect of the CSI, please do not hesitate to contact me or other members of the executive.



Wayne S. Lapp

CORRECTION

Due to a communications problem, Dr. Osmond's comments on the CSI were not included with the CSI election package. We apologize for the confusion and include his comments below.

J.A. Wilkins
Secretary Treasurer

The C.S.I. leadership has the responsibility to maintain and to enhance the scientific quality of our Meetings, to make our Society affairs maximally appealing and relevant to graduate students and young investigators, as well as established researchers, to provide an effective voice for the common interests and concerns of our membership, and to seek to promote public awareness and improved funding opportunities for continuing development of internationally-recognised immunobiological research in Canada.

ANNOUNCEMENT

CSI STUDENT POSTER AWARDS - 1993

PRIZE	STUDENT RECIPIENT	SUPERVISOR	INSTITUTION
1st - Becton Dickinson	Zdenek Hel	Dr. Danuta Radzioch	Montreal General Hospital Research Institute of McGill University
2nd - Cedarlane Award	Subhra Mohapatra	Dr. Alec Sehon	Univ. of Manitoba
3rd - CSI Award	Ms. T. Duong	Dr. Gill Strejan	Univ. of Western Ontario
4th - CSI Book Prize	Alex Aspinall	Dr. John Reynolds	Univ. of Calgary
5th - CSI Book Prize	Thore Hettmann	Dr. Amos Cohen	Hospital for Sick Children, Univ. of Toronto

As in previous years, we invited the winners of this year's Student Poster Competition at the CSI/SCI Spring Meeting to provide us with some information on themselves, their research and what they see as the main challenges facing research trainees. The responses of those who replied are below.

I am a fourth year Ph.D. student at the Department of Immunology, University of Manitoba, Winnipeg, studying the regulation of antigen-specific antibody responses by T cell receptor peptides in Drs. A Sehon's laboratory. I received my B.Sc. (Hons.) from the Utkal University, Orissa, India in 1982 and M.Sc. (Chemistry) from the same University in 1984. My research project involves deliniation of the mechanism of tolerance induced by Ag(mPEG) conjugates. The research conducted so far indicate that the junctional region peptides of TCR of the CD8⁺ T cells induced by Ag(mPEG) conjugates may indeed be responsible for the induction of tolerance.

I feel that at this time of funding constraints, the major challenge for the student is to keep a balance between basic and applied research which ought to facilitate acquisition of research funds in future. Moreover, at a time when immunology research is progressing very rapidly, the students ought to keep up with the literature not only in his/her field of interest but also in other areas.

Subhra Mohapatra
Dept. of Immunology
Univ. of Manitoba
Winnipeg, MB.

I obtained my B.Sc. from the University of Western Ontario in the spring of 1988. In the fall of the same year, I started as an M.Sc. student in Dr. Gill Strejan's laboratory, and then switched to the Ph.D. program two years later. The work in our laboratory has been concentrating on investigations aiming at an understanding of the mechanisms involved in the regulation of Experimental Allergic Encephalomyelitis (EAE), which is the animal model for Multiple Sclerosis. My research project focuses on the role of lymphokines, and more specifically, interferon-gamma in the development of EAE in the SJL/J mouse. After graduating, I would like to continue my research in the investigation on immune regulation of EAE.

The field of immunology has been advancing remarkably fast with rapid progression in knowledge and techniques. Thus, one of the major challenges that we graduate students have to face is to keep up with the literature. We not only have to be up to date with new findings in our own area of research, but in other areas of immunology and in other fields as well. Despite the challenge, I believe that being a graduate student is a worthwhile and rewarding experience.

Trang Thi Duong
Dept. of Microbiology and Immunology
Univ. of Western Ontario

Having completed my B.Sc.Hon (Life Sciences) at Queen's University in April 1990, I entered an M.Sc. (Medical Sciences) program in September 1990 under the supervision of Dr. John Reynolds at the University of Calgary. Given the considerable appeal of endless hours spent staring under the microscope, feeding cells, and completing assignments, I recently converted to a Ph.D. program! My project has addressed aspects of B cell apoptosis in the ileal Peyer's patch of sheep in an effort to understand the selection processes that produce functional, mature B cells.

As did graduate students of days gone by, today's graduate students face the challenges of keeping current with a vast volume of new literature, and striving to be motivated and competitive in consistently producing their best work. However, with the current recessed economy restricting access to funding for students and faculty alike, today's graduate students are also presented with an uncertain future. While Canadian society grapples with the importance it places on medical research, I feel students should persevere and take comfort in their own abilities. The recognition that the CSI has given to my efforts has been nothing but motivational in this climate of adversity.

Alex Aspinall
Immunological Sciences Research Group
University of Calgary

In 1985, I entered the University of Toronto and completed undergraduate studies with a specialist degree in Microbiology in 1989. During the last two years of undergraduate time I worked on various student research projects and joined the Department of Immunology for Graduate training in the fall of 1989. After 18 months, I reclassified into the Ph.D. program which I hope to finish in the first quarter of 1994. Dr. Cohen, my supervisor, has a long interest in molecular aspects of T cell differentiation. He asked me to identify and analyze the transcriptional regulatory elements responsible for the expression of human T cell receptor gamma genes. This project will eventually lead into new insights how T lineage separation is accomplished at the molecular level.

There are two major challenges, which, in my opinion, graduate students are confronted with. Achieving academic and scientific credibility within the scientific community is the first one. This credibility can be obtained by successfully defending new and authentic concepts in front of a critical audience and by publishing excellent research papers. The second type of challenge is to achieve maturity both intellectually and personally. Students who have developed a healthy and creative mind may easily progress to higher levels of research training and eventually become independent researchers.

Thore Hettman
Dept. of Immunology
Univ. of Toronto

All new Full Members of the CSI/SCI have been invited to provide us with a brief summary of their current research interests.

ANDRES JARAMILLO (Ph.D., University of Louisville, 1991)

Current Position: Postdoctoral Fellow, Banting and Best Department of Medical Research, University of Toronto, 112 College Street, Toronto, Ontario, M5G 1L6.
Phone: (416) 978-6268; FAX: (416) 978-8528.

Current Research: Role of T cell anergy in the development of insulin-dependent diabetes mellitus in autoimmune nonobese diabetic (NOD) mice.

KEVIN P. KANE (Ph.D., Univ. of Cal., Los Angeles [UCLA], 1986)

Current Position: Assistant Professor, Department of Immunology, University of Alberta, Edmonton, Alberta, T6G 2H7. Phone: (403) 492-4997; FAX: (403) 492-0368.

Current Research: Antigen-specific cytotoxic T lymphocyte (CTL) adhesion and transmembrane signalling. Class I MHC regulation of Natural Killer cell (NK) activities.

ZHIKANG PENG (M.D. & M.Sc., Shanghai Medical University, P.R. China)

Current Position: Lecturer, Section of Allergy and Clinical Immunology, Department of Paediatrics and Child Health, University of Manitoba, Winnipeg, Manitoba, R3A 1R9.
Phone: (204) 787-4507; FAX: (204) 787-4547.

Current Research: Purification, identification, and development of polyclonal and monoclonal antibodies for dog IgE; heterogeneity of polyclonal dog and human IgE; immunodiagnosis; immunotherapy; antigen purification.

VERONIQUE TAUPIN (Ph.D., University of Paris 6, France, 1992)

Current Position: Post-Doctoral Fellow, Neuroimmunology Unit, Montreal Neurological Institute, McGill University, Montreal, Quebec, H3A 2B4.
Phone: (514) 398-4937; FAX (514) 398-7371.

Current Research: Cytokines in regulation of Experimental Allergic Encephalomyelitis in SJL/J mice. CNS autoantigens as inducers of inflammation and/or demyelination.

ANDREW I. LAZAROVITS (M.D., F.R.C.P.C. McMaster 1978)

Current Position: Associate Professor of Medicine, Honorary Lecturer Microbiology and Immunology, Director of Renal Transplantation, Associate Scientist, University Hospital, University of Western Ontario, Robarts Research Institute, 339 Windermere Road, London, Ontario, N6A 5A5. Phone: (519) 663-3355; FAX (519) 663-3858.

Current Research: Monoclonal antibodies directed against CD7, CD45, and integrins for the manipulation of immune function both *in vitro* and *in vivo*.

4iia) Motion: To have a committee of L. Pilarski, J. Schrader and A. Greenberg review options which fulfilled the criteria outlined below and to report to council. Based on the recommendations of the committee council would invest all of the CSI reserve except for the operating expenses for the current financial year. The intent being that in subsequent years the operating expenses of the CSI will be carried by the dividends from the investments.

Guidelines for Investment

- 1) Equity investments shall not exceed 35% of the total investments.
- 2) The investment portfolio should be broad based and not limited to one or two funds.
- 3) Investments are not to be limited to Canadian equities.
- 4) Transaction fees are to be kept to a minimum.

There was considerable discussion as to the possible approaches which might be considered. It was also emphasized by several members that they felt that the limitations on the proportion of equity funds was too restrictive.

There was concern by several members that such strategies had been considered before and not acted on. It was suggested that a time restriction for analysis and action by council be imposed by the membership.

4iib) Motion: to amend the motion 4iia) to limit the period of analysis of investment strategies to not more than one month. After this time council was to make an expedient decision and proceed with the investments. J. Gauldie seconded D. Befus Motion Carried

The amended Motion 4iia) was carried 20 for and 14 against.

iv) Changes to the By-Laws

4iva) Motion: to change the CSI financial year from May 31 to December 31 commencing in 1993. M. Ratcliffe seconded J. Schrader Motion Carried

4ivb) Motion: to change the composition of the Program Committee for the CSI Annual Meeting to Past President, President, Vice-President and one individual selected by the local organizing committee in consultation with the chair of the local organizing committee. E. Potworowski seconded J. Gauldie Motion Carried

3b) Election Results

The results of the election were announced by President Miller and he welcomed the new council.

1993 CSI/SCI BUDGET

REVENUE

MEMBERSHIP DUES	\$4,000.00
INTEREST (6.125% X 190,000 GIC)	\$11,367.50
TOTAL	\$15,367.50

EXPENSES

BUDGET 93

*****BULLETIN (4X500)+DIRECTORY	\$2,700.00
OFFICE EXPENSES/POSTAGE	\$800.00
SECRETARIAL SERVICES	\$2,000.00
CFBS REPRESENTATION	\$1,000.00
SCIENCE POLICY/PUBLIC AWARENESS	\$1,000.00
****STUDENT TRAVEL	\$5,000.00
PROFESSIONAL FEES	\$1,500.00
MEMBERSHIP (OTHER ORG)	\$500.00
TOTAL	\$14,500.00

Last year, Dr. Rick Miller (Univ. of Toronto) was elected to serve on the International Union of Immunological Societies Council. He has provided us with an update on their recent activities...

Report on I.U.I.S. Council Meeting

The Council of the International Union of Immunological Societies (I.U.I.S.) met in association with the third congress of La Asociacion Latinoamericana de Immunologia (A.L.A.I.) which was held in Santiago, Chile, April 14-17 this year. I was there as a member of Council and also participated in the A.L.A.I. meeting. Member societies of A.L.A.I. are Argentina, Brazil, Chile, Uruguay, Venezuela and Mexico. The meeting was largely in Spanish but with English translation available. The level of science was good, but with a much stronger emphasis on immunoparasitology and infectious disease than one usually finds in first world meetings.

The role of I.U.I.S. is to foster the development of immunology throughout the world.

1. Sponsor international congresses every three years.

The next Congress (1995) is in San Francisco and the one after (1998) in New Delhi. Note that this Congress will likely be held November 8-14 to avoid the summer heat of New Delhi. So far, groups from Israel, Portugal and Sweden have expressed interest in the Congress for 2001. I am on a small committee to evaluate proposals and make suggestions.

2. Encourage development of regional associations.

In addition to A.L.A.I., there is E.F.I.S. (Europe plus Israel), F.A.I.S. (Africa) and, most recently, F.I.M.S.A. (Asia and Australasia). I.U.I.S. has played a major role in getting the African group going and their sponsorship is clearly helping the Latin American group. The possibility was raised that the U.S. and Canada might ask to join A.L.A.I.. Katherine Knight (incoming A.A.I. president) is going to bring this to the A.A.I. Council and I will bring it to our Council next March. We both felt that such an association would work only if meetings were held exclusively in English, already the case for all but A.L.A.I. The next A.L.A.I. Congress is scheduled for Mexico in 1996.

3. Set up and sponsor various specialized subcommittees

- a) Clinical Immunology. They now have their own international congress as a satellite associated with the main international congress.
- b) Nomenclature. This committee organizes workshops and/or meetings by mail to sort out nomenclature issues. A recent example would be new nomenclature for TcR genes arrived at by a committee chaired by Tak Mak. The extremely successful CD workshops were originally set up by this committee.
- c) Veterinary Immunology. Bruce Wilkie (Guelph) has just stepped down as chair of this committee and the new chair (B. Charley, France) was most laudatory of Bruce's efforts in bringing the world community together.
- d) Education. The primary role of this committee is to organize workshop/tutorial sessions in third world locations. Their efforts are largely self-funded and apparently quite successful.

- e) **Standardization.** The mandate of this committee is to develop and then supply on request international standards for ill-defined reagents (e.g. allergens). There was some debate as to whether this task was appropriate to I.U.I.S. or should instead be being done by W.H.O.

The I.U.I.S. operates on a shoestring. The current budget is about \$100,000/yr, largely coming from dues paid by member societies. My impression was that the organization is getting "a lot of bang for its buck" and I look forward to attending the next Council meeting in June, 1994 (in association with the E.F.I.S. meeting in Barcelona). I have a competition with J. Sterzl (Czech Republic) as to who will speak the better Spanish!

Please let me know if there are any issues you feel I should bring to this meeting.

- Richard G. Miller

ANNOUNCEMENT

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

FACULTY OF MEDICINE

MOLECULAR BIOLOGY

Applications are invited for one, and possibly two, tenure track positions as **Assistant Professor of Molecular Biology** within the Division of Basic Medical Sciences. Applicants should possess a Ph.D. or equivalent and relevant post-doctoral training and will be expected to develop an independent, externally funded research programme. The Division of Basic Medical Sciences consists of approximately 45 scientists with strong research groups in cardiovascular physiology, human genetics, immunology, molecular biology and neuroscience. The molecular biology group has existing strengths in cancer research, virology, human genetics and developmental biology. The modern, well equipped laboratories of the Faculty of Medicine are housed adjacent to the General Hospital in the Health Sciences Centre on the campus of Memorial University.

Applicants should submit their curriculum vitae and a brief statement of research interests and future plans, and arrange to have three letters of reference forwarded to:

Dr. R.S. Neuman
Associate Dean of Basic Medical Sciences
Faculty of Medicine
Memorial University of Newfoundland
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