



International Society for
Cerebral Blood Flow and Metabolism

Complex Heterogeneous

THE ORGAN

No. 22 – September 2003

www.cbfm.org

This Issue:

Letter from the President

Election 2003 Results and Call for Electoral Contest

Call for Symposia for Brain'03

Questionnaire: Brain/BrainPET'03 and Brain/BrainPET'05

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The **Complex Heterogeneous Organ** is the Newsletter of the International Society for Cerebral Blood Flow and Metabolism. The Newsletter takes its name from the opening line of a paper by the first president of the Society (see *J. Neurochem.* **28**:897-916, 1977). The title emphasizes the intricacy of our research area and the diversity in background of the members of our Society. The short title of the Newsletter, (The Organ), is defined by the Oxford dictionary as a medium of communication.

Letter from the President

It is a great honour for me to be the President of this venerable Society. After a rapid expansion of this Society into the 1990's, the Society has member-wise been in a steady-state since the late 1990's. It is now a good time for us to consider the future of the Society.

When Niels Lassen and David Ingvar started their activity in this field in early 1960, their aim was clear and straightforward: to understand regional cerebral blood flow (CBF) in normal and diseased human brains. What is the aim of this Society now? Ischemia has always been a major target, but it should not be the sole goal of the Society. In fact, our scientific targets have been expanding as we obtain a better understanding of brain diseases. For example, the molecular mechanism has become major targets in the last decade. Imaging methodology, including nuclear medicine as well as optical techniques and magnetic resonance imaging, still play an important role within this society. The neurovascular coupling mechanism is always with us. Our overall goal is to understand as much as we can about the brain via CBF and metabolism.

This society has two important activities, publication of the Journal of Cerebral Blood Flow and Metabolism and organization of the biennial Brain Symposia. While the former is going well after the wonderful work by the previous and current Editors-in-Chief, it is time for the latter to be rejuvenated. Why do young scientists come to the Brain Symposia? They come not only to present their work, but also to learn more about the physiology of CBF and metabolism and the related methodology and technology. We have to respond to these requirements by introducing training and education courses during the biennial Brain Symposia. In order to refresh this scientific organization we also plan to introduce member-organized symposia. The biennial Brain Symposia should be useful and exciting!

With this in mind, I wish to incorporate several reforms into our Society. Our Society should be flexible in the role of the committees as well as the expenditure of our budget. The biennial Gordon conference starting in 2004 will enhance the activities of this Society. The past President also initiated the Young Investigator Committee, allowing young researchers to have a say in the activity of the Society. In collaboration with the Young Investigator Committee, the Education Committee will have the specific task of planning a systematic education program for the biennial meeting. We need to gradually shift budget support for these education and/or training course activities rather than for the summer school. We also need to simplify application for ordinary membership. A permanent secretariat is another urgent issue. I would sincerely like to refresh this Society and I welcome any suggestions you may have for the organization of the Society.

As a final word, I would like to say that the brain is a heterogeneous organ in its structure as well as its function, and similarly our science is a heterogeneous business. Whatever the individual target, CBF and metabolism is our common language.

Iwao Kanno, PhD
President of the ISCBFM

Election 2003 Results and Call for Electoral Contest

The results of the election of the Society were reported to the members at Brain'03 in Calgary.

James McCulloch was elected President-elect and will serve as President from 2005-2007. Roland Auer, Yasuo Katayama, Hiroyuki Kinouchi, Eng H. Lo, Dale A. Pelligrino, and Norihiro Suzuki were elected as Directors and will serve the Board from 2003-2007.

Call for Electoral Contest

According to the by-laws the Treasurer and Secretary shall be elected for terms of two (2) years. The Treasurer and Secretary shall be eligible for re-election provided that no Director shall serve as Treasurer or Secretary for more than six (6) years, whether consecutive or not.

By an unfortunate mistake a call for an electoral contest of the Secretary and Treasurer's offices was not included in the January issue of the Organ. The call is instead given in this issue:

Secretary and Treasurer:

Members should indicate to the Nominations Committee whether they wish to have an electoral contest for either (or both) of the offices. The current Secretary and Treasurer are eligible to serve for four more years. If members wish an election to be held, they should submit the names of suitable candidates to the Chairman of the Nominations Committee **no later than November 18, 2003**:

Dr. Iwao Kanno
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Akita Research Institute of Brain and Blood Vessels
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Japan
Fax: 81 18 833 2104
e-mail: kanno@akita-noken.go.jp

The Board of Directors has authorized that Dr. Knudsen is Assistant Secretary and Dr. Kuschinsky Acting Treasurer until the issue is resolved.

Officers and Directors 2003-2005

President:	Iwao Kanno	Directors:	
Past president:	Michael A. Moskowitz	Roland Auer	Pak Chan*
President elect:	James McCulloch	Yasuo Katayama	Adriaan Lammertsma*
Secretary:	Gitte Moos Knudsen	Hiroyuki Kinouchi	Martin Lauritzen*
Treasurer:	Wolfgang Kuschinsky	Eng H. Lo	I. Mhairi Macrae*
Chair, Program Committee:		Dale A. Pelligrino	Wulf Paschen*
	Ulrich Dirnagl	Norihiro Suzuki	Frank Welsh*
Editor:	James McCulloch		
	Richard Traystman		

*Denotes Directors who will complete their present term on the Board in June 2005.

Committees 2003-2005

Program Committee

Ulrich Dirnagl (Chair)	Arno Villringer
Adriaan Lammertsma (ex officio)	I. Mhairi Macrae
Iwao Kanno (ex officio)	Anna M. Planas
Costantino Iadecola	Matthias Endres
Koji Abe	Fahmeed Hyder
Peter Herscovitch	

Charge: To safeguard the interests of the Society in relation to its biennial meeting

Nominations Committee

Iwao Kanno (Chair)	Michael A. Moskowitz
James McCulloch	

Charge: To consult with members to identify suitable candidates for election to the offices of the Society

Education Committee

Koji Abe (Chair)	Wulf Paschen
Peter van Zijl	Eng H. Lo
Michio Senda	

Charge: To promote and facilitate the development of educational programs which are consistent with the interests of the Society

Young Investigators Committee

Matthias Endres (Chair)

Richard M. Dijkhuizen

Sylvain Doré

Hiroshi Watabe

Charge: The Young Investigators Committee is charged with representing the educational, scientific and administrative interests of new investigators as well as attracting young investigators into the field of brain blood flow, metabolism, and function

Membership Committee

Ute Lindauer (Chair)

Norihiro Suzuki

Roland Auer

Charge: To promote membership and to assess the suitability of candidates for membership

Goals and Planning

Gitte Moos Knudsen (Chair)

Wolfgang Kuschinsky (ex officio)

Iwao Kanno

James McCulloch

I.Mhairi Macrae

Anthony Strong

Adriaan Lammertsma

Yasuo Katayama

Richard J. Traystman

Charge: To provide strategic planning in the affairs of the Society

Finance Committee

Olaf B. Paulson (Chair)

Wolfgang Kuschinsky (ex officio)

Charge: To oversee all aspects of the financial affairs and to audit the accounts

Web Page Committee

Lester R. Drewes (Chair)

Charge: To develop and manage a Society home page in the world wide web

Liaison Initiative

Martin Lauritzen (Chair)

Dale A. Pelligrino

James McCulloch

Charge: to identify societies with mutual scientific interests and to explore the possibility of joint initiatives such as joint meetings, educational symposia, membership, and journal subscriptions

Publications Committee

Anthony Strong (Chair)

Richard J. Traystman (ex-officio)

Martin Lauritzen

Hiroyuki Kinouchi

Frank Welsh

Pak Chan

Charge: To safeguard the interests of the Society in relation to the Journal of Cerebral Blood Flow and Metabolism and any other publication which appears under the aegis of the Society

Negotiation Workgroup (temporary)

Anthony Strong
James McCulloch
Richard J. Traystman

Graham V. Lees
Ulrich Dirnagl

Archive Workgroup

Martin Reivich
Olaf B. Paulson

Michael A. Moskowitz

Actions of the Board of Directors, June/July 2003

The Board of Directors met on two occasions, June 29 and July 3, during Brain'03 in Calgary, Canada. Highlights from the June 29 meeting minutes are given below.

June 29, 2003

Report of the Secretary: Knudsen reviewed the results of the recent election of officers and directors (more details are given on page 4 in this issue). A total of 243 ballots was recorded.

The minutes of the Board of Directors' meetings of June 9 and June 13, 2001, and the minutes of the General Assembly of June 12, 2001 in Taipei were approved.

The summary of decisions made by the board since last meeting in Taipei was reviewed and approved.

Permanent secretariat and organization of biennial meetings: The Secretary noted a strong need for improvement of handling of the membership list and solicitation currently undertaken by LWW. Further, improved continuity when offices for the Treasurer and the Secretary change was desirable. Finally, the workload of both offices has reached a level where it was found difficult to manage without a permanent secretariat. The Secretary and the Treasurer had together identified a number of tasks currently undertaken by them that favourably could be transferred to a permanent secretariat. As a part of this a 'Secretary's Handbook' was under development in order to make the Secretary better prepared for scheduling the different tasks.

Report of the Treasurer: Kuschinsky reviewed the status of the Society's accounts. The 2002 report had been distributed via the Organ (No. 21, May 2003) and was also circulated in a revised version. There was a continued income based on revenue from the Journal and investment income. Total income was \$171,125 in 2002. Expenses in 2002 totalled \$249,297 and consisted of charitable activities such as support for Summer Schools, journal expenses (additional page charges, honorarium payment for invited reviews), and administrative expenses. The Society's total assets at the end of the fiscal year 2002 were \$1,135,411.

A motion to approve the Treasurer's report for FY 2001 and 2002 was approved unanimously. A motion to accept future cost for the journal (invited reviewers: \$1,500 per review 24 times a year, totally \$36,000, and a stipend for Lindsey Towers of £600), for Brain'05 (loan 30,000, bursaries for young scientists 60,000) and other meetings (Summer Schools, up to \$30,000 per school and 1st Gordon Conference, up to \$30,000) was approved.

The Society's policies on the payment of bursaries to young scientists attending the Brain meetings were reviewed. As was the case for Brain 1999 and Brain 2001, the amount allocated for bursaries had been \$60,000. There were 92 applicants and 56 awards made to attendees of the Brain 2003 meeting.

Report of the Publications Committee: The Chairman of the Program Committee, Anthony Strong reviewed the progress of the committee's work: As the new Editor of the Journal Richard Traystman had been appointed as of July 1, 2003, electronic handling of manuscripts had been secured by contracting with ScholarOne, and requirements for a new contract for publication of the journal had been identified. The committee was currently making a survey of different options.

Report of the Young Investigators Committee: Endres reported that the Young Investigators Committee had conducted a survey amongst the young investigators. A total of 51 had replied, with a bias towards European responders being noted. It had been suggested not to limit the duration of the junior membership to a 4-year period but to extend it to the age of 35. It had also been expressed that the poster sessions were too short. Finally, a wish for educational sessions had been expressed ('Meet the Professor'-type).

Report of the Liaison Initiative Committee: Lauritzen reported that a Gordon conference had been approved, on the basis of a proposal prepared by Lauritzen, Dirnagl, and Moskowitz. An announcement of the Gordon Conference is given elsewhere in this issue. The topic of the conference is 'Brain Energy, Metabolism, and Blood Flow' and it will be held on Aug 8-13, 2004, at the Colby College, Maine. This topic was chosen since it is likely to attract a number of scientists usually associated with the Human Brain Mapping Society.

Biennial Symposia of the Society/Report of the Program Committee: The Chair of the Program Committee (Joel Greenberg) reported a total of 740 (vs. 594 in 2001) abstracts had been received, and the acceptance rate was 97.8%. As of June 26 2003, 654 had registered, of these 115 were accompanying persons, 98 students, and 60 BrainPET only. A total of 56 junior bursaries had been given, with an acceptance rate of 61%.

Greenberg suggested the Board to consider to establish 'sliding chairs' for the Programme Committee to ensure continuity and preservation of experience within the new committee. This suggestion was well received.

The Lassen Award was subsequently discussed and it was decided that the award should be given on the basis of both the applicants' CV as well as the abstract. Further, it was decided to have the awardee give a more general overview of his/her work.

Lammertsma reviewed the progress on the organization of Brain'05 and BrainPET'05. The venue for the biennial meeting will be at the University Campus of the Free University in Amsterdam. The meeting will run from June 7-11, 2005. The website had been established (www.brain05.com). For the first time, only electronic abstract submission will be accepted.

Reports from Summer Schools: The reports of the Amsterdam, Okayama, and Marburg Summer Schools/Meetings were accepted. The Secretary reported that the Education Committee is currently in the process of developing specific guidelines for funding of summer schools.

Annual Meeting of Members, Calgary, Canada, July 2, 2003

The meeting was called to order by the President, Michael A. Moskowitz, at 12:35.

The **minutes** of the previous meeting of the Society's members, held on June 12, 2001 in Taipei, Taiwan, were circulated and approved. There were no matters arising from the minutes.

The **Secretary**, Gitte M. Knudsen, reported the results of the election. James McCulloch was elected President-Elect. Roland Auer, Hiroyuki Kinouchi, Dale A. Pelligrino, Yasuo Katayama, Eng H. Lo, and Norihiro Suzuki were elected as Directors for the period 2003-2007.

The **Treasurer**, Wolfgang Kuschinsky, gave his financial report.

The 2002 report had been distributed via the Organ (No. 21, May 2003) and was also circulated in a revised version. There was a continued income based on revenue from the Journal and investment income. Total income was \$171,125 in 2002. Expenses in 2002 totalled \$249,297 and consisted of charitable activities such as support for Summer Schools, journal expenses (additional page charges, honorarium payment for invited reviews), and administrative expenses. The Society's total assets at the end of the fiscal year 2002 were \$1,135,411.

A motion to approve the Treasurer's report for 2001 and 2002 was approved unanimously. A motion to retain the Society's auditors (Schmitt-Grohe, Leistner & Flemming), bankers and fund managers (Landesbank Baden-Württemberg), and tax adviser incl. keeping tax files according to Massachusetts Law (Piper Rudnick) was approved. A motion to approve Grant Thornton as accounting and tax firm for filing of tax returns was also approved.

The **Chair of the Program Committee** (Joel Greenberg) reported a total of 740 (vs. 594 in 2001) abstracts had been received, and the acceptance rate was 97.8%. As of June 26, 2003, 654 had registered, of these 115 were accompanying persons, 98 students, and 60 BrainPET only. A total of 56 junior bursaries had been given, with an acceptance rate of 61%.

The **Chair of the Publication Committee** (Anthony Strong) reported that Graham Lees from Corpus Alienum Enterprises had served as a consultant for the committee. He announced that Richard Traystman had been selected as the new Editor of the Journal, from July 1st. Further, a contract between the Society and ScholarOne had been signed, in order to enable electronic handling of manuscripts submitted to the Journal. Since the current contract with the publisher (LWW) expires as of Dec. 31, 2004, negotiations had been initiated with LWW and the possibility to engage with other publishers would also be explored in more detail. Strong thanked the members of the committee and Graham Lees for their excellent work

The report of the **Editor** (James McCulloch) was circulated. Manuscript submissions are stable at approx. 370 manuscripts per year. The total processing time for manuscripts (date of receipt to first decision) is about 50 days; hereof approx. 22 days constitute the referee turnaround time. In the last two years, the average acceptance rate has been almost 40%.

The delay from acceptance to publication had remained stable at 3½ month; this delay is dictated entirely by the time taken by the publisher to process manuscripts.

The impact factor for 2001 was 5.5, the immediacy factor 0.7. For 2000, the impact factor was 5.9. McCulloch will end his 6-years term as Editor as of December 31, 2003 and he will be succeeded by Richard Traystman. The transitional arrangements for the relocation of the Editorial office began on July 1st, 2003. McCulloch expressed his heartfelt gratitude for the support he had received from the Editorial Board and from ad hoc reviewers. The support he had received from the Associate Editors Deborah Dewar and Mhairi Macrae and from the Chairman of the Publications Committee, Anthony Strong, was also appreciated very highly. Finally, McCulloch pointed out that the key individual for who above all had contributed to the success of the Journal over the last six years was Lindsey Towers, whose enthusiasm and efficiency were appreciated by all who had dealt with her.

Richard Traystman thanked for having been given the possibility to become the Editor of the Journal. He noted that within a few months all submissions could be dealt with electronically, and even reminders to the reviewers would be sent automatically.

The **Chair of the Membership Committee** (Costantino Iadecola) summarised the Committee's activities during the last two years. A total of 78 ordinary and 117 junior members had been accepted as members of the Society. Iadecola expressed that the inclusion of new members had been relatively liberal, particularly for junior members. The turnaround time for acceptance of these members was 7.9 days. Iadecola expressed his appreciation of the assistance from the Secretary's assistant in processing the applications. Currently the Society has 576 ordinary members, 4 emeritus members, and 166 Junior members (figures for 2001: 629, 3, and 105).

The **Chair of the Young Investigators Committee**, Matthias Endres reported that during Brain'03 a luncheon had been arranged for the young investigators. A total of approx. 80 participants attended and it had been decided to continue to have such arrangements at the future biennial meeting. Further suggestions included the possibility for a 'pizza-and-beer party' for young investigators only, and to consider the Lassen Award to be given on the basis not only on the young investigators abstract and CV, but also on an oral presentation competition.

The **Chair of the Liaison Committee**, Martin Lauritzen reported that the willingness of the Human Brain Mapping Society to discuss possibilities for future coordination had been sparse. Prompted by a suggestion from Wolfgang Kuschinsky, the President had together with the Committee decided to apply for a Gordon Research Conference (GRC) with a topic of mutual interest to both Societies. Fortunately, this had been granted, and the GRC entitled 'Brain Energy, Metabolism, and Blood Flow' will be held on Aug 8-13, 2004, at the Colby College, Maine, US (for further information see <http://www.grc.uri.edu/>).

President Moskowitz observed that the Society was healthy and that this situation should be maintained by the young investigator members, whom he considered the engine of the Society.

There was **no new business**.

The **new president**, Iwao Kanno thanked for the support of the members and expressed that he hoped to serve the Society well during the next two years. In particular, he would like to work for the inclusion of educational programs in the future biennial meetings. He also expressed that he would be very receptive to any suggestions that could enhance the overall goals of the Society.

The members voted not to hold a meeting in 2004, but to assemble again in June 2005 in Amsterdam.

The meeting was adjourned at 13:35.

Gordon Research Conference



Brain Energy Metabolism and Blood Flow: 'Coupling of neuronal activity and blood flow as basis of functional neuroimaging'

August 8 - 13, 2004

Colby College, Waterville, Maine (USA)

Generously supported by the International Society for Cerebral Blood Flow and Metabolism

Chair: U. Dirnagl, Berlin (ulrich.dirnagl@charite.de)

Vice-Chair: M. Lauritzen, Copenhagen (marl@glostruphosp.kbhamt.dk)

Co-Chair: M.A. Moskowitz, Boston (moskowitz@helix.mgh.harvard.edu)

Vision

Brain blood flow is vital to the normal mammalian nervous system and provides the basis for functional imaging. Despite its importance, the control of blood flow is poorly understood, although both metabolic activity and ionic signalling have been strongly implicated. Over the last decade, dramatic progress has been made in molecular biology, biophysics and genetics that impact our understanding of brain energy metabolism, neural organization, cell signalling and vascular regulation. In addition, new technologies have emerged to measure blood flow with high spatial and temporal resolution and even to measure activity of individual cells such as vascular smooth muscle within brain. Utilizing these modern imaging methods and other advances, we believe the tools are now in place to address fundamental issues relating to the organization of blood flow and metabolic activity. We also anticipate that the answers to these questions will drive new discoveries in the experimental and clinical neurosciences and impact diagnosis and treatment of stroke and other neurodegenerative disorder. Hence, this field has now its own forum to address the complexities of multi-disciplinary approaches to understanding blood flow regulation within mammalian brain. The biennial Gordon research conference devoted to understanding those aspects of metabolism, cell signalling, cell-cell interactions that impact vascular regulation in the normal and injured brain will provide a unique opportunity for experts and newcomers alike to exchange state-of-the-art advances in methodology and concepts, as well as outline promising avenues for collaborative research.

For further information and updated program, please visit the conference website

<http://grc.expneuro.de>

Application

The Chairs will admit applicants on an ongoing basis beginning Fall 2003, based on the information provided on the application. For applications, please use the GRC website

<http://www.grc.uri.edu/programs/2004/brain.htm>

Attendance at the Conference is **limited to 135 conferees** and the Conference may be full well before the deadline; therefore, submit your application early. Upon acceptance to the Conference, individuals will receive registration information. The Conference fee covers registration, all meals and room. Preference will be given to individuals presenting posters. Contact the Conference Chair for more information.

We particularly encourage young/new investigators to submit abstracts (deadline, April 1, 2004) of their proposed poster presentations. The abstracts should be submitted in standard format (title, authors, institution, text up to 400 words). A total of at least 14 awards (\$600 overseas, \$400 USA/CND, \$250 East Coast; plus registration fee will be reimbursed) will be given to young investigators with the most innovative presentations. At present we are aiming to raise funds for more bursaries.

Program

For a detailed program visit the Conference website: www.grc.expneuro.de or the Gordon Research Conferences website: www.grc.org. Poster sessions are scheduled between the oral sessions. (Note: The program is not completely finalized yet. Some of the titles may change. (NC) denotes speaker has not confirmed yet)

Oral session 1. ATP and oxygen consumption of the working brain

Discussion leader: Albert Gjedde; Speakers: Maria Erecinska, Fahmeed Hyder

Oral session 2. Astrocytes in neurometabolic coupling

Discussion leader: Bo K. Siesjö (NC); Speakers: Maiken Nedergaard, Luc Pellerin, Marianne Fillenz

Oral session 3. Energetic costs of neuro-transmission

Discussion leader: Pierre Magistretti; Speakers: Douglas Rothmann, Ursula Sonnewald

Oral session 4. Neurovascular coupling I

Discussion leader: Wolfgang Kuschinsky; Speakers: Edith Hamel, Robert V. Harrison, Steven Segal

Oral session 5. Neurovascular coupling II

Discussion leader: Ulrich Dirnagl; Speakers: Timothy McMahon, David R. Harder

Oral session 6. Neural underpinnings of BOLD and vascular signals used in functional neuroimaging

Discussion leader: Ray Dolan (NC); Speakers Marcus Raichle (NC), Nikos Logothetis, Martin Lauritzen

Oral session 7. Methodological frontiers

Discussion leader: Bruce Rosen; Speakers David Kleinfeld, Alan P. Koretsky (NC)

Oral session 8. Clinical aspects of neurovascular coupling

Discussion leader: Costantino Iadecola; Speakers: Stanley Rapoport, David Eidelberg, Arno Villringer

Orals session 9. Hot topics: Last minute breakthroughs, and selected presentations from posters

Discussion leader: Kamil Ugurbil

Brain'05 and BrainPET'05

www.brain05.com



XXIInd International Symposium on Cerebral Blood Flow, Metabolism, and Function VIIth International Conference on Quantification of Brain Function with PET

June 7-11, 2005

Vrije Universiteit, Amsterdam, The Netherlands

It is with great pleasure that the Organising Committee cordially invites you to attend the Brain '05 and BrainPET '05 meeting in the city of Amsterdam, the Netherlands, June 7-11, 2005.

An exciting scientific program is being prepared in the spirit of previous Brain and BrainPET meetings.

It will include keynote lectures by leading scientists in the field, focussed symposia aimed to encourage update and discussion of the most important topics in 2005. Sessions for open contributions, organised to maximise interaction, with either platform or poster presentation will of course be the core of the meeting. Posters will be exhibited throughout the whole conference. Bursaries will be available for scientists aged 35 and under and the presentation of the Lassen Award, open to young investigators, will be made at this meeting.

The symposium timetable will also provide ample opportunity to meet and talk with your colleagues in a relaxed atmosphere. In addition, an attractive social and excursion program will be organised for delegates and accompanying persons.

We look forward to welcoming you in Amsterdam in June 2005 for what we trust will be a very enjoyable and professionally rewarding experience.

Adriaan A. Lammertsma, President Organising Committee

Call for Symposia for Brain'05

Dear Colleagues:

On behalf of the Program Committee for Brain'05, I would like to invite all interested members to propose scientific symposia to be presented at the next biennial meeting in 2005, which will be held in Amsterdam, The Netherlands, June 7-11. The deadline for receiving the proposals is November 15, 2003. Symposia are an integral part of the Brain meetings, and have attracted large audiences. In each symposium, four speakers are allotted 30 minutes each, including discussion time.

At this stage we are asking you to propose the topic and the names and tentative titles for the four speakers. You do not need the acceptance of the speakers at this stage. If selected, you will be asked to organize the symposium. Please include a short statement on the timeliness and importance of the topic, as well as on the selection of speakers. Please indicate whether you wish to serve as chairman of the symposium. Applicants are encouraged to suggest speakers from other institutions; no laboratory should be represented by more than one speaker. The number of speakers is limited to four.

Please send your proposals via email to the secretarial office of the Society (dorthe@nru.dk). **The deadline for submission is November 15, 2003.**

Prof.Dr. Ulrich Dirnagl, Chairman of the Program Committee Brain05

Brain'07 and BrainPET'07

At Brain'03, the Board of Directors approved a bid from Professor Koji Abe and Professor Hidehiro Iida to organize Brain'07 and BrainPET'07 in Osaka, Japan.

Other Meetings of Interest to the Members

The Seventh Int. Conference on Xenon CT CBF and Related CBF Techniques June 22-25, 2004, Bordeaux, France

For further information, please contact the appropriate authorities below:

Administrative secretariat:

OBJECTIF Congrès
1, Place de la Liberté
F 33130 Bègles, France
Tel: 33 5 56 49 00 33
Fax: 33 5 56 85 24 46
E-mail: contact@objectif-congres.com

Coordinator and Scientific secretariat

Dr Musa Sesay, M.D.,
CHU Pellegrin,
33076 Bordeaux, France
Tel: 33 5 56 79 55 43
Fax: 33 5 56 79 61 55
E-mail: musa.sesay@chu-bordeaux.fr

Questionnaire re. Brain/BrainPET'03 and Brain/BrainPET'05

After an enjoyable and stimulating Brain03/BrainPET03 meeting in Calgary, we are already in the process of organizing the program for Brain05/BrainPET05 to be held in Amsterdam on June 7–11, 2005. With this questionnaire we are asking for your input in order to further improve the program.

As a novel feature at Brain05/BrainPET05, we are planning educational/training courses that will appeal in particular to young attendants. There will be a one- or half-day course prior to the meeting and also early morning courses. We plan to have 4-5 courses in total, but some of them may be parallel.

Which topics would you be interested in? Please mark topic(s) of your choice:

- | | | |
|---|--|--|
| <input type="checkbox"/> basis of CBF regulation | <input type="checkbox"/> optical methods | <input type="checkbox"/> autoradiography |
| <input type="checkbox"/> microcirculation physiology | <input type="checkbox"/> NIRS technique | <input type="checkbox"/> PET methodology |
| <input type="checkbox"/> activation physiology | <input type="checkbox"/> molecular imaging | <input type="checkbox"/> animal PET |
| <input type="checkbox"/> analysis of activation studies | <input type="checkbox"/> genomics/transcriptomics/
proteomics | <input type="checkbox"/> animal models of stroke |
| <input type="checkbox"/> fMRI methods | | |

Others (please specify)

If you have attended Brain'03/BrainPET'03, please grade the following program/events at Brain'03/BrainPET'03 (5: excellent; 1: poor):

Oral sessions _____	Plenary session _____
Poster sessions _____	Presidential session _____
Symposia _____	

Additional comments:

Would you prefer the abstract volume as:

- CD-Rom Printed volume Both

If you have any other requests or suggestions for Brain05/BrainPET05, please let us know:

.....
.....
.....

This question applies to those who only attended BrainPET03. If one of the parallel sessions at Brain05 (outside the BrainPET05 days) was dedicated to PET applications, what would you attend:

- BrainPET05 only Entire Brain05, incl. BrainPET05

Thank you for your cooperation in our efforts to make Brain05/BrainPET05 a successful meeting.

Adriaan Lammerstma
President, Brain05/BrainPET05

Ulrich Dirnagl
Chairman, Program Committee
for Brain05/BrainPET05

Iwao Kanno
President, ISCBFM

Please return the completed questionnaire before October 31, 2003 to:

Adriaan Lammertsma
PET Centre
VU University Medical Centre
PO Box 7057
1007 MB Amsterdam
The Netherlands
Fax +31 20 4443090

