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ESB NEWS



NEWSLETTER OF THE
EUROPEAN SOCIETY BIOMATERIALS
DECEMBER 1997

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Change of officers in ESB Council

In Göteborg, several officers in the ESB Council retired:

President Paolo Tranquilli-Leali
Immediate Past President Ulrich Gross
Vice-President Uwe Soltesz
Member at large Jan Feijen

The European Society for Biomaterials greatly appreciates the valuable work performed by Paolo, Uwe, Jan and Ulrich. There are several important tasks ahead and we hope to count on your continued interest and expertise!.

Dear members,

I have now reached the end of my office and I feel the need to express my thanks to you and to all the members of the present and passed Directive Council.

Clemens van Blitterswijk, Mario Barbosa, Paolo Giusti, Uwe Soltesz, Ulrich Gross, Jan Feijen, Sandra Downes, Henk Koerten, Peter Thomsen, Charles Baquey, James Kirkpatrick, Heinrich Planck, Peter Revell, William Bonfield, are a great group!

We changed the statutes and bylaws, preparing with Jan Feijen a new strategy for our society - extending the concept of biomaterial from the idea to the final application, - presenting the ESB as an open forum where multidisciplinary knowledges and experiences can freely meet and interexchange and - stimulating the participation of young scientists.

A more aggressive management was introduced by Sandra Downes and Clemens van Blitterswijk in the Public Relations Committee. The style of the conferences from Pisa, Porto, Göteborg, The Hague was progressively modified, increasing the integration with the other societies, and stimulating the attendance of end users.

Mario Barbosa and Paolo Giusti worked at European level and the society was included for the first time in two concerted actions and one Elan project.

The communications with the members was made easier with ESB News, realized by Henk Koerten. Charles Baquey took charge of the financial department and moved the office from The Netherlands to France; it was difficult and time consuming, but now, it is possible again to pay membership fees with creditcard.

William Bonfield helped us to clarify some agreements with the MIM publisher and we also obtained a notable reduction of special-issue costs.

Ulrich Gross gave his experience and Uwe Soltesz was always present and active. James Kirkpatrick participated in the ILC Committee and actively participated in many actions.

José Planell, chairman of the auditors board, contributed very positively to every discussion related to financial matters.

ESB Home Page and Internet facilities have been implemented, thanks to the activity of Heinrich Planck.

Peter Thomsen, finally, our secretary, an enthusiastic friend who devoted his energy to the promotion of the society, support of young scientists and students and to the perfect organization of the Göteborg Conference.

Thanks to all, they gave time and financial support to the society; we met at least three times per year and the costs were always covered by Council members.

We should in any case, introduce a more professional administration, at least part-time. Four

years ago, we had less than 300 members and now we have almost 600. If we want to reach the 1000 roster, we must change our managing structure and increase our credibility and reputation more and more.

This is my wish for the new Council and for the president, Peter Revell.

Thanks for the good work

Paolo Tranquilli-Leali

13th European Conference on Biomaterials

The 13th European Conference on Biomaterials in Göteborg was the major European meeting during 1997 devoted to biomedical materials and their interactions with biological environments. The annual Conference of the European Society for Biomaterials was a meeting place for 400 scientists, managers and decision-makers in basic, applied and clinical biomaterials research.

Biomaterials is an area with significant interdisciplinary characteristics. It consists of research, development and education within universities and industry. It is my personal belief that the ultimate goal is focused on improving the structure and function of patients.

The importance of our conferences for the introductions of scientists into this interdisciplinary field is well recognized. The ESB Council has also judged that it would be fruitful to increase our efforts in attracting more scientists from the clinical and industrial research. This effort has started in Göteborg and will be continued and expanded in The Hague, 1998.

Twenty-seven countries were represented in Göteborg by authors of oral and poster presentations. We were pleased also to see that several, young research groups from Eastern Europe, Asia and Southern America participated.

Based on the judgements by referees, the authors of the best abstracts were also invited to write original articles for submission to a Special Issue of Journal Materials Science: Materials in Medicine. An important area, which requires considerably more attention on local, national and international levels, is the educational efforts within biomaterials. About fifty percent of all participants in the 1997 Conference were graduate students. This will provide a challenge and opportunity for the biomaterials society. The mutual investment of young students and their tutors in this research area is a strong signal to improve our educational and research efforts on all levels.

I wish to end this summary by expressing my appreciation to all individuals who have supported the meeting with participation in international, local scientific and organizing committees, referees, lecturers and participants in workshops and sessions!

Appreciation also goes to our main sponsor, Nobel Biocare, SAS, SP, Astra Tech and Congrex AB for a fruitful collaboration.

Peter Thomsen
Chairman
13th European Conference on Biomaterials

The European Society for Biomaterials Annual Awards

George Winter Award

This award is established to recognize, encourage and stimulate outstanding research contributions to the field of biomaterials. It will be presented annually during the Biomaterials Conference of the Society, and consists of a certificate, a plaque, and a refund of the registration fees and traveling expenses to the conference. The nominee must have contributed significantly to the knowledge in the field of biomaterials and/or the material controlled or influenced reactions within the host body through basic, experimental and/or clinical research. The work concerned and the results must have been published. The nominee needs neither to be a member of the European Society for Biomaterials nor a citizen of a European country. The nominee must not be a member of the Council of the European Society for Biomaterials or the nomination committee. Posthumous nominations are not considered.

1982	Sam F. Hulbert
1985	Klaas de Groot
1986	Samuel G. Steinemann
1989	Lawrence J. Katz
1992	Clement H. Bamford
1993	Claus Mattek
1994	William Bonfield
1995	Larry L. Hench
1996	David F. Williams
1997	Clemes A. van Blitterswijk

The Jean Leray Award

This award is established to recognize, encourage and stimulate outstanding research contributions to the field of biomaterials by young scientists. It will be presented annually during the Biomaterials conference of the Society, and consists of a certificate, a plaque, a refund of the registration fee and traveling expenses to the conference and a cash prize. The nominee must be under the age of 35 years and must have contributed to the knowledge in the field of biomaterials and/or the material controlled or influenced reactions within the host body through basic, experimental and/or clinical research. The nominee needs neither to be a member of the European Society for Biomaterials nor a citizen of a European country. The nominee must not be a member of the Council of the European Society for Biomaterials or the nomination committee. Posthumous nominations are not considered.

1985	Walter van Raemdonck
1987	Clemens A. van Blitterswijk
1992	Michel Therin
1993	John A. Hunt
1994	Panjian Li
1995	L.M. Rabbe
1996	Vincent Poitout
1997	Ann Wennerberg

Nomination procedure

Any member of the European Society for Biomaterials in good standing may nominate candidates for the George Winter and the Jean Leray Award. The deadline for the nomination is December 31 each year. The nomination will be considered for the following year only and must be reconsidered another year if the same person is nominated again. The following information must accompany each nomination:

1. Name and address of the nominating member
2. Name, Affiliation and address of the nominee
3. A Curriculum Vitae of the nominee, as far as is known, including education, membership of professional organization, honors already received, main field of professional activity and a list of publications.
4. A statement describing the reasons for nomination
5. Nominations and supporting data should be sent to the secretary of the Society or to any of its officers. ESB Secretary: Prof. Dr. P. Thomsen, Göteborg University, Inst. Of Anatomy & Cell Biology, Medicinaregatan 3, S-41390 Göteborg, Sweden. Fax: +46 31 773 3308.

ESB Student Awards for best Oral and Poster presentations

These awards (2) for young scientists (under the age of 35 years) are established to encourage and stimulate the research and presentation of scientific results in the field of biomaterials. The work must contribute to the knowledge in the field of biomaterials (basic, experimental and or clinical research) and should not previously have been published. Candidates must indicate upon submission of abstract to the European Conference on Biomaterials which contribution he/she would like to be considered for competition. The candidate must present the work at the conference. The awards are selected among the oral and poster categories by an awards committee and are presented during the annual European Conference on Biomaterials. Each award consists of a certificate and a refund of the registration fee and traveling expenses to the conference.

ESB Student Travel Fellowships

The awards (3) are established to encourage and enable the participation of young scientists in the annual European Conference on Biomaterials. The applicant needs neither to be a member of the European Society of Biomaterials nor a citizen of a European country. The applicant is not obliged to present a paper at the conference but is encouraged to do so.

The following information must accompany each ESB Student Travel Fellowship application:

1. Name, Affiliation and address of the applicant
2. A Curriculum Vitae (1 page) of the applicant, including education, present appointment, main field of scientific activity and a list of publications.
3. A letter or recommendation by the tutor.

The application should be sent to the Conference Secretariat, North Sea Biomaterials 1998, Prof. Bronkhorstlaan 10, NL-3723 MB BILTHOVEN (deadline March 15, 1998)
The fellowships are selected by an awards committee and are presented during the annual European Conference on Biomaterials. Each award consists of a certificate and a refund of the registration fee and traveling expenses to the conference. (Amount `1997 up to 600 ECU, 1998 amount not yet decided)

George Winter Award and Jean Leray Award

In Göteborg, we had the opportunity to listen to two George Winter Award lectures as well as two Jean Leray Award lectures.

1996 George Winter Award winner Professor David F. Williams:

"The role of today's biomaterials in the medical devices of tomorrow"

1996 Jean Leray Award winner Dr. Vincent Poitout:

"Towards the development of a bio-artificial pancreas for the treatment of insulin-dependent diabetes mellitus"

1997 George Winter Award winner Clemens A. van Blitterswijk:

"Homo senescence: Substitution medicine and biomaterial research strategies"

1997 Jean Leray Award winner: Dr. Ann Wennerberg:

"Surface roughness and dental implants"



Photo: 13th European Conference on Biomaterials, Göteborg, Sweden. 1997 Jean Leray Award Winner Ann Wennerberg, Sweden and the 1997 George Winter Award Winner, Clemens van Blitterswijk, The Netherlands

ESB Student Awards for Best Oral and Poster presentations and ESB Student Travel Fellowships 1997

These awards were initiated at the ESB Council meeting in Mainz, Germany, September 7, 1997. The first selection was therefore made at the 13th European Conference in Göteborg. The awards were installed to encourage research, participation and presentation of results by young scientists during the ESB conferences.

The number of candidates were:

Best oral presentation: 3

Best poster presentation: 7

Travel Fellowships: 9

On the basis of the suggestion from the Awards Committee it was decided to give the awards to:

Best oral presentation: M. Esposito

Best poster presentation: D. Rodriguez

Student Travel Fellowships: R.L. Reis, S.M. Malmonge, R.O.C. Oreffo.



Photo: 13th European Conference on Biomaterials, Göteborg, Sweden. 1997. Sonia M. Malmonge, Brazil receives one of the Student Travel Fellowship Awards by Professor Peter Thomsen

News from the Council

In Göteborg in September 1997 were held, two Council meetings, one Presidential Board meeting and a General Assembly.

In summary the following items were discussed and decided:

General Assembly

After the report by C. Baquey of the financial statements it was decided by the Assembly to agree on a 5% increase of the membership fees and that a budget with arguments for additional increases should be presented at the next Assembly.

Journal Materials Science: Materials in Medicine:

The Editor W. Bonfield reported that the regular issues of MIM appear on time and have good contributions. The concept of the Special Issue is working fine, with press delivery in December. Papers have been selected according to the referee process of the Conference. An Editorial Board Meeting in Göteborg provided a possibility to discuss important matters between representatives of the publisher Chapman & Hall, referees and the ESB Council

ESB News

H. Koerten informed about the work with ESB News and the on-going discussion in the Board about the future of ESB News. He informed that it has been decided by the Board to include the ESB News also on the ESB Home Page.

Mail Ballot, New Council Members:

The results of the mail ballot were presented. S. Downes had served as Ballot Officer. Among the 12 nominations five persons, L. Ambrosio, J.D. de Bruijn, G. Daculsi, H.K. Koerten and P. Thomsen, were decided to become members of the Council and replace the resigning officers, P. Tranquilli-Leali, J. Feijen, U. Soltesz, H.K. Koerten and P. Thomsen. (The two latter were standing for re-election).

The Assembly decided to elect the following Auditors:

J.A. Planell

M. Therin

A. Merolli

R. Williams

J.E. Ellingsen

International Liaison Committee:

The ESB representatives in the International Liaison Committee (ILC) have been Ulrich Gross and James Kirkpatrick. Ulrich Gross reported from the latest ILC meeting. This report is printed separately in this issue.

Fellows in Biomaterials Science and Engineering (FBSE):

U. Gross informed about the College for Fellows (COF), the professional arm of the American Society for Biomaterials. A draft on Statutes and Bylaws has been presented.

ESB on Internet

H. Planck informed the Assembly about the web site and possibilities to link the home page to the affiliated societies of the ESB.

Forthcoming Conferences:

The Assembly approved the suggested ESB Conference Sites:

1999 Bordeaux

2001 London

2002 Barcelona

The forthcoming 14th ESB Conference will be held in The Hague, 15-18 September, 1998.

Council meetings:

It was decided that the new Council consists of the following persons:

President: Peter Revell

Vice-President: Henk K. Koerten

Secretary: Peter Thomsen

Treasurer: Charles Baquey

Members at large:

Luigi Ambrosio

Joost D. de Bruijn

Guy Daculsi

C. James Kirkpatrick

Heinrich Planck

Joseph A. Planell (coopted to the Board as Chairman of Auditors)

Immediate Past President: Ulrich Gross

Editor J. Mat. Science, MIM: William Bonfield

Editor ESB News: Henk K. Koerten

International Liaison Committee (ILC) representatives:

It was decided to elect Ulrich Gross, James Kirkpatrick, Peter Revell and Paolo Tranquilli-Leali as representatives for the ESB.

Membership register:

In order to update our membership register and improve our organization we will now collect membership forms with a key interest index. Such forms have been submitted to delegates in Göteborg as well as to all old members. New members will apply on the new forms. The Secretary and the Treasurer will compile the data.

The Council decided to co-sponsor the following Conferences:

Bioceramics, Paris, 1997

Bioceramics, New York, 1998

Bioceramics, Nara, 1999

Peter Thomsen

Secretary

ESB HOME PAGE ON INTERNET

The ESB Council had decided to establish a home page on Internet. In the last General Assembly in Göteborg, Heinrich Planck informed about the web site:

<http://www.itvd.uni-stuttgart.de/esb/statuten.htm>

Further information about the web site will follow. Please look it up!

Young researchers and the meeting in the Hague

The 13th European Congress in Biomaterials in Göteborg was an occasion noted for the large number of younger researchers attending, with excellent contributions of posters and oral presentations. This is a most positive aspect of the European Society of Biomaterials and there is some financial support by way of fellowships for the fortunate few who are chosen to receive these. Why not think about such an award? As your new president, however, I would encourage all research students and those who are immediate post-doctoral researchers to submit your work to the next meeting in the Hague. Then you will need to talk to your professor and persuade him to send you to the meeting. Although ESB is not a new society, biomaterials is a relatively new field and I hope we at least all still feel young at heart. Let's make the next meeting an occasion where we can once again meet and enjoy sharing our scientific findings as well as having some fun together socially.

Peter A Revell

ILC Reports

The International Liaison Committee (ILC) met on May 2, 1997, in New Orleans, Louisiana, USA., where the Society for Biomaterials (USA) held the Annual Meeting. Societies working together in the ILC are from Australia, Canada, China, Europe, Japan, Korea and the United States of America. The Chair is presently held by the USA Society for Biomaterials, Andreas v Recum, Secretary is Linda C. Lucas.

It is unique for an international group working together and organising up to now 5 World Biomaterials Congresses in a 4 years interval not to have anything in written as a guideline for co-operation. It is now proposed to adopt bylaws on how to co-operate and who represents what. By tradition each society had 2 votes to influence decisions in the ILC meetings. Now, this practice will be maintained. There is however an upcoming discussion on who represents what and whether there is an acceptable number of votes for societies in which there are much more than only one national or regional society as it is the case for the ESB. This item has to be discussed by the ESB Council before the next ILC meeting.

The acceptance of the Indian Society for Biomaterials as member of the ILC was postponed. The Korean Society for Biomaterials was accepted as member of the ILC.

- The 2000 World Biomaterials Congress (the sixth WBC) will be organised under the leadership of the SFB in the time window of May 10- 24, 2000 in Hawaii, USA.
- The 2004 World Biomaterials Congress will be held within the last two weeks of May at the convention centre in Sydney, Australia.
- There will be a home page on the World Wide Web for the ILC, and Michael Lee, Canadian Biomaterials Society, will be the editor.
- It will be investigated whether biomaterials science and engineering could be linked to the International Council of Scientific Unions.
- There was some discussion on the ILC logo. Further information will be given later.
- There was consent that the ILC societies should have a possibility to exhibit their material - e.g. official journal, other publications of the society, invitations to upcoming meetings - at conferences of ILC societies without costs.

Ulrich Gross

Report on the Meeting of the German Society for Biomaterials

The German Society for Biomaterials met November 21, 1997 in the Klinikum Aachen for a scientific programme and business.

In the scientific programme three lectures were presented: H.Hämmerle from Reutlingen on *Neurotechnology: Development of retinal implants*, A.Gillner from Aachen on *Laser as a tool for production of medical technical products*, and L. Tietze, Aachen on *The role of Monocytes and Macrophages for Biocompatibility*.

After two years in office C. Mittermayer, Aachen, moved the presidency to H.Planck, Denkendorf, for the next two years, and J.Kirkpatrick, Mainz, was elected as designated president for the years 2000 and 2001. The next Annual Meeting of the German Society for Biomaterials will be November 27, 1998, in Stuttgart/Tübingen, and the theme will be: *Interaction Biomaterial and Cell*.

Announcement

The 8th European meeting on Injectable Bone and Joint Substitution Materials will be held in Lille, France on March 19-20, 1998.

Dr. P. Hardouin

Groupe Recherche Interdisciplinaire sur les Biomateriaux Osteo-Articulaires Injectables

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Announcement

First Circular and Call for Papers

INTERNATIONAL CONFERENCE ON "ADVANCES IN BIOMATERIALS AND TISSUE ENGINEERING"

JUNE 14-19, 1998, HOTEL "LA RESIDENZA", CAPRI, ITALY

ORGANISED BY THE

Interdisciplinary Research Centre in Biomaterials (C.R.I.B.), University of Naples "Federico II", and Institute of Composite Materials Technology, National Research Council, Piazzale Tecchio 80, 80125 Naples, Italy.

CHAIRD BY: L. AMBROSIO, Italy, J. M. ANDERSON, USA, W BONFIELD, U.K., S. J. HUANG, USA, L. NICOLAIS, Italy

CONFERENCE STRUCTURE

The format of the conference will be similar to that adopted for the Gordon Conferences that has been used successfully for many years in the USA. This format allows for invited presentations as well as contributions from invited participants. Discussion leaders, who are experts themselves in the field, will direct discussions towards constructive conclusions.

The total number of participants including speakers will be restricted to a maximum of 130 people.

Contributed papers for oral and poster presentation are solicited from invited participants and they will be chosen for presentation on the basis of scientific interest and homogeneity with the conference topics.

Proposed papers titles and short abstracts (250 words) are requested.

The Conference Program will be focussed on the more recent advances in the following topics:

Biocompatibility, Biodegradation, Composites, Control Release Systems, Implants Polymers and Surface Properties, Tissue Engineering, Regulation and Standards, Industrial Aspects, Technology Transfer.

DEADLINES

Submission of abstracts of contributed papers and posters:

December 31st, 1997

Notification of acceptance of contributed papers and posters:

February 15, 1998

Registration fee:

April 1, 1998

For information, please contact:

International Conference

"On Advances in Biomaterials and Tissue Engineering"

Conference Secretariat

Institute of Composite Materials Technology (CNR)

Piazzale Tecchio 80, 80125 Naples, Italy

Fax: 39-81-7682404 Phone: 39-81-7682513, 39-81-7682400

E-mail: Ambrosio@unina.it

Announcement

14th European Conference on Biomaterials: "Development and Evaluation of Biomaterials"

"North Sea Biomaterials", The Hague, The Netherlands

September 15 - 18, 1998

Local organizing committee:

C.M. van Battum, C.A. van Blitterswijk, H.K. Koerten, M. Kuijpers, S.A.T. van der Meer, J.M. Schakenraad and J.R. de Wijn

North Sea Biomaterials aims to create a challenging meeting of high scientific standard with special emphasis on intensifying the interaction between both biomaterial and clinical investigators. In view of this, a format was chosen where the actual ESB meeting will serve as a fundamental catalyst for several full-scale special topic conferences on particular clinical issues.

Special Topic Parallel Conferences:

- **The Current State of Hip and Knee Joint Arthroplasty**
Organizers: R.G.T. Geesink and S. Bulstra
- **Biomaterials in Spinal Surgery**
Organizers: A. Verbout and W.J.A. Dhert
- **Biomaterials and Implants in Ophthalmology**
Organizer: R.W.J. Keizer
- **Biomaterials in Plastic Surgery**
Organizer S.E.R. Hovius

Subscription

I am interested in participating in the NORTH SEA BIOMATERIALS 1998 MEETING:
I am especially interested in the following conference(s):

- Development and Evaluation of Biomaterials**
- The Current State of Hip and Knee Joint Arthroplasty**
- Biomaterials in Spinal Surgery**
- Biomaterials and Implants in Ophthalmology**
- Biomaterials in Plastic Surgery**

Please add my name to the mailing list of the marked conference(s)

Name: _____

Affiliation: _____

Address: _____

Zipcode: _____

Country: _____

