

To the participants of the annual iBME conference

YOUR REFERENCE	OUR REFERENCE	PHONE	DATE
	0431-11.c.1	053-4893367	18 August, 2004

Subject

11th Dutch annual conference on BioMedical Engineering,
4-5 October 2004 in Nationaal Sport Centrum Papendal in Arnhem,
the Netherlands.

Dear participant,

The 11th Dutch annual conference on BioMedical Engineering will be held on **October 4 and 5, 2004**, in 'Nationaal Sport Centrum Papendal' in Arnhem.

Participation in the conference is obligatory for all iBME PhD students. They are also expected to present a poster during the poster session and to submit a 2-page abstract for publication in the proceedings of the meeting. Details on the formats of your contributions and further guidelines are given in the appendix.

Deadline for submission of the 2-page abstracts is August 15th, 2004.

The management team of the research school will honour the best contribution with a poster price of €100,= After consultation with the involved tenured staff, we will decide by the end of August which Ph.D. students will be invited to give a 15-minutes oral presentation (English language) during the meeting.

The costs for participation and registration are as follows:

€ 200,00 per person, including hotel (double room), meals, conference-accommodation etc.

€ 225,00 per person, including hotel (single room), meals, conference-accommodation etc.

€ 175,00 per person, excluding hotel, including meals, conference-accommodation etc.

You will receive an invoice afterwards.

All registered participants will receive the book of abstracts with all contributions to the conference, and a free copy of the most recent progress report of the research school.

For the benefit of hotel reservations I ask you to **return the enclosed participation form before August 15th** to the BMTI-secretariat.

Part of the program will be scheduled in parallel sessions. Where possible we will structure these sessions by grouping posters and oral presentations around the four iBME research themes:

1. *Biomaterials & Artificial Organs*
2. *Tissue Engineering with Cellular & Molecular Aspects*
3. *BioMechatronics & Rehabilitation Technology*
4. *Non- and Minimally Invasive Technology*

Apart from this, we will also have plenary lectures by invited speakers on subjects of general interest to those involved in biomedical engineering. Details of this part of the program will follow.

The poster session is scheduled for Monday afternoon. This will give all participants ample opportunity to

interact actively on specific subjects of interest.

The program on Monday evening is focussed on spin-outs and start-ups. Apart from clinical applicability, the use of our know-how in private enterprises is another aspect of interest to all of us. Three or four (former) iBME colleagues will speak about their "babies" and the products they are selling via their own company.

The Tuesday afternoon we will organize again a program with "AIO cases". Last year's experiment was appreciated so much that we decided to continue this aspect of PhD training. The idea is to have three or four presentations on proposals for research projects on challenging (bio)medical questions and problems. The proposals have to be prepared by small groups of iBME PhD students in the coming period before the Papendal meeting. Staff members are available for support, but each team should try to find the best way to come to an eye catching research proposal.

The presentations will be evaluated by a forum of staff members and the "winner" will be awarded with the iBME support to submit the proposal (at STW) to receive a grant to actually realize the proposed project.

The following subjects are selected for the AIO cases:

1. *What procedure should be developed to monitor resorption of biomaterials (on a molecular level) in order to support surgical practitioners in their decisions to employ novel (material) concepts?*

Contact **Prof. Ruud Bos** from the Academic Hospital in Groningen

r.r.m.bos@kchir.azg.nl

2. *Which autonomous body functions can be influenced by stimulation of the nerve system (sympathetic and parasympathetic) and what can be anticipated on the clinical usefulness.*

Contact **Prof. Peter Veltink** from the Biomedical Signals & Systems Group in Enschede.

p.h.veltink@ewi.utwente.nl

3. *How to build a "DNA computer" that can activate adult stem cells after sensing tissue damage?*

Contact **Prof. Wiebe Kruijer** from the Polymer Chemistry and Biomaterials Group in Enschede

w.kruijer@tnw.utwente.nl

4. *How to design a scaffold that generates ordered 3D tissue structures from differentiating embryonic stem cells?*

Contact **Prof. Wiebe Kruijer** from the Polymer Chemistry and Biomaterials Group in Enschede

w.kruijer@tnw.utwente.nl

5. *How to build a numerical simulation model that predicts the effect of spinal surgery for an individual patient?*

Contact **Dr. Bart Verkerke** from the BMSA Group in Groningen.

g.j.verkerke@med.rug.nl

6.

Other subjects / questions are always possible. Please contact the iBME secretariat if you have ideas or suggestions.

The preliminary program is attached.

The final program will be send to you as soon as possible.

We look forward to meeting you in Papendal!

With kind regards,

Prof.dr. J.Feijen
scientific director

Enclosures: - preliminary programme
 - participation form
 - guidelines

PARTICIPATION FORM

INTEGRATED BIOMEDICAL ENGINEERING FOR RESTORATION OF HUMAN FUNCTION

iBME Conference, October 4-5, 2004

First name : -----
Last name : -----
University : -----
Department : -----
Section : -----
Address : -----
Zipcode/City : -----
Phone/Fax nr. : -----
E-mail address : -----

Takes part on:

- October 4-5 (**double room accommodation**, including meals, euro 200,=);
- October 4-5 (**single room accommodation**, including meals, euro 225,=);
- October 4-5 (excluding stay at the hotel, including meals, euro 175,=);
- special requirements dinner: _____
- unable to attend, reason:

Preliminary title poster/abstract:

Send this form before August 15, 2004 to:

Biomedisch Technologisch Instituut (BMTI)
T.a.v. Miranda Wiehink (Langezijds, kamer 1370)
Postbus 217
7500 AE ENSCHEDE
Tel. 053 - 4893367
E-mail: M.A.G.Wiehink@utwente.nl

GUIDELINES FOR POSTERS

- ◇ Size (height x width) 120 x 120 cm.
- ◇ Make sure that the content is readable and understandable to the audience of the symposium.
- ◇ Include **key words** (on the bottom line of your poster/abstract) on the contents of your research. At least you should indicate the **iBME research themes** where you want to position your work.
- ◇ No further guidelines are applicable.
- ◇ Materials for attaching the posters to the boards will be available.

GUIDELINES FOR ORAL (AIO) PRESENTATIONS

- ◇ Slots in the parallel sessions are limited to 15 minutes. Please reserve some time for questions and discussion.
- ◇ A beamer is available. **In case you wish to use other means for your presentation please contact the secretariat!!**
- ◇ Presentations have to be held in the English language.
- ◇ It is important to take notice of the background knowledge of the audience.

GUIDELINES for the 2-page ABSTRACTS

- Submit your abstract (including figures, tables etc) both as **hardcopy** per mail AND in computer-readable form as **electronic copy** per email or mail on floppy disk.
- Submit abstract PC-compatible in MS-WORD. Macintosh format will not be accepted.
- Abstract can be submitted by e-mail, as an attachment, stating 'Proceedings 2004' and the name of the author. Please send hardcopy at the same time.

The deadline for submitting abstracts is **August 15, 2004**.

Abstracts received after the deadline, will not be published in the 'Proceedingsbook'.

Address:

BioMedisch Technologisch Instituut (BMTI)
T.a.v. Miranda Wiehink
Langezijds, kamer 1370
Postbus 217
7500 AE ENSCHEDE

E-mail-address:

m.a.g.wiehink@utwente.nl
Please do not forget to send a hardcopy!

FORMAT

- **Pages** : maximum of two A4-pages including graphics, figures and tables.
(A4 pagesize: 210 x 297)
- **Language**: English
- **Margins**: left/right and top/bottom margin: 2,54 cm or 1 inch
- **Text**: Do not split words with a hyphen at the end of a line. Only use hyphens that are part of the word or word combination.
- **Font**: paragraph - arial 11
captions (graphics/figures/tables) - *arial 10 italic*
- **Linespacing**: single

EXAMPLE

ABSTRACT-LAY OUT

Title:

- ◇ Title in captions and bold.
- ◇ Leave one blank line.
- ◇ Initials and last name of the authors. Comma between the names of authors.
 - ◇ In the next line mention name of the institute, group, department, university, mailing address and e-mail address.
 - ◇ Leave one blank line.
 - ◇ Start text first paragraph.
 - ◇ Example:

ZERO ORDER RELEASE OF PROTEINS FROM BIODEGRADABLE POLY(ETHER ESTER) MULTIBLOCK COPOLYMER MATRICES

J.M. Bezemer¹, D.W. Grijpma¹, P.J. Dijkstra¹, J. Feijen¹ and C.A. van Blitterswijk^{1,2,3}

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²*Biomaterials Research Group, University of Leiden, The Netherlands*

³*IsoTis B.V., Prof. Bronkhorstlaan 10, 3723 MB Bilthoven, The Netherlands*

Introduction

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Key words:

Include **key words** (on the bottom line of your poster/abstract) on the contents of your research. At least you should indicate the **IBME research themes** where you want to position your work.

Paragraphs:

- ◇ In case you work with section headings, please use the following headings: Introduction, Methods, Results, Conclusion, Discussion, References, Acknowledgement
- ◇ Start headings with a caption and typed in bold.
- ◇ Start the text on a new line (justify text, do not split words with a hyphen at the end of a line. Only use hyphens that are part of the word or word combination.
- ◇ Double spacing between paragraphs.

Graphics/figures/tables:

- ◇ Figures/tables/graphics should be placed on the same page they are referred to in the text and if possible centred.
- ◇ Figures and tables should be numbered. A simple descriptive title should be included **below** the figure/graphics and **above** the table.

- ◇ Leave one blank line between figure/table and descriptive title.

References:

- ◇ Number each reference and place between brackets: [1].
- ◇ Last name and initials of author(s).
- ◇ Title of book, article, etc. (year), page numbers
- ◇ Example:

[1] Kwon G.S., Kataoka K., *Advanced Drug Delivery Reviews* 16 (1995), pp. 295-309

[2] Snyder W.D., Klotz I.M., *J. Am. Chem. Soc.* 17 (1997), pp. 4999

[3]