

# *FEBS NewsLetter*



January 2004 (1/2004)

FEBS — FOR YOUR INFORMATION.....	2
HIGHLIGHTS.....	3
FEBS CONGRESS 2004.....	4
FEBS FORUM FOR YOUNG SCIENTISTS 2004.....	6
FEBS CONGRESS 2005.....	8
THE MESSAGE BOARD.....	9
NEWS FROM THE FEBS JOURNALS.....	10
OPPORTUNITIES.....	12
THE WWW OF UP-COMING EVENTS.....	16

## FEBS — FOR YOUR INFORMATION

By Camilla Krogh Lauritzen,  
FEBS Information Manager, editor of FEBS Newsletter  
FEBS Secretariat,  
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Welcome to 2004!

Exactly 40 years ago, in January 1964, FEBS was founded as a result of the vision and hard work of a few pioneers. Today, four decades later, FEBS, having more than 40.000 members in 42 countries, is standing stronger than ever in promoting, encouraging and supporting biochemistry, molecular cell biology and molecular biophysics on all levels throughout Europe.

To celebrate these past 40 years of increased unity between European biochemists and molecular biologists, FEBS is giving away **100 free registrations** for this year's FEBS Congress (see more at p. 3). In this issue of FEBS Newsletter, you will also e.g. find the program for the 2004 Congress, as well as for this years FEBS Forum for Young Scientists (FFYS).

By end of this January, a Frequently Asked Question (FAQ) service will be launched within FEBS Bulletin Board. This means that you will be able to find answers to general questions related to the many FEBS activities — e.g. FEBS Advanced Courses — at this board, in the specific forum that has been established for many of the FEBS activities. The FAQ information will continue to build all through this year.

Please notice that you are welcome to send any "FEBS question" that you would like an answer to directly to me, and I will make sure that it is answered.

All questions of general relevance will be automatically posted (together with the relevant answer) at the FEBS Bulletin Board.

To register for the FEBS Bulletin Board, please see <http://www.febs.org>.

I wish you all a happy 2004 and look forward to seeing a lot of you in Warsaw!

Kind regards

Camilla

### About the FEBS Newsletter:

FEBS Newsletter is published every second Monday in every second month (starting in January), and e-mail directly to approx. 14,000 FEBS members.

Free e-subscription is offered; subscribers will receive the newsletter as a PDF file whenever a new issue is published. To subscribe, simply send an e-mail to [newsletter@febs.org](mailto:newsletter@febs.org) or subscribe on-line at [http://www.febs.org/e-mail\\_registration.asp](http://www.febs.org/e-mail_registration.asp).

Do you wish to announce a job, a post doc, an event etc.? Advertise this in FEBS Newsletter for free! We welcome all types of material that applies to the stated objectives of the Federation.

Any comments or suggestions to the FEBS Newsletter or FEBS' website? Feel free to send an e-mail to [newsletter@febs.org](mailto:newsletter@febs.org).

The deadline for all types of entries to the next issue of the FEBS Newsletter **February 21, 2004**.



## JOIN THE 40 YEAR CELEBRATION OF FEBS

### - WIN A FREE REGISTRATION TO THE FEBS 2004 CONGRESS IN WARSAW!

To celebrate these past 40 years of increased unity between European biochemists and molecular biologists, FEBS is giving away 100 free registrations for this year's FEBS Congress. If you would like to win one of these free entries, all you need to do is the following:

- 1) Let us know your view on the challenges that European Scientists are facing in the years to come; what keeps **you** awake at night, and which role do you see FEBS playing in facing these challenges?
- 2) Enclose your view in a e-mail, and send it to [newsletter@febs.org](mailto:newsletter@febs.org) before February 1, 2004. Please state 'FEBS 40 YEARS' in the subject line. Remember to include your contact details, as well as information on which biochemical/molecular biology society you are a member of.

A panel composed of FEBS Secretary General, the Vice-Chairman of FEBS, the FEBS Treasurer, the FEBS Publications Committee Chairman, and the FEBS Information Manager will evaluate the views received, and identify the 100 winners. In addition, all 100 winners will receive a copy of the book "Forty Years of FEBS" by Horst Feldmann; one of the FEBS veterans.

The names of the winners will be published on <http://www.febs.org>, and at FEBS Bulletin Board (in the forum called 'FEBS Congresses) **on February 16**. The "top 20" views will be published (upon agreement with the respective authors) in FEBS NewsLetter during 2004.

## FEBS LECTURE COURSE ON CELLULAR SIGNALING & 4TH DUBROVNIK SIGNALING CONFERENCE



### May 21-27, 2004, Dubrovnik, Croatia

FEBS Lecture Course on Cellular Signaling and 4th Dubrovnik Signaling Conference are taking part together with the goal that students who participate at the FEBS Lecture Course will also be able to attend all seminars and will have special tutorial sessions organized for their education. Students members of the GBM are invited to apply for the FEBS Lecture Course.

#### TOPICS

- Signaling cascades
- Protein kinases and phosphatases
- Cell compartmentalization and signaling
- Receptor endocytosis and trafficking
- Structural biology
- GTPase signaling and diseases
- Molecular targets for cancer therapy - Proteomics
- Diabetes and Cardiovascular diseases

#### INVITED SPEAKERS

Nenad Ban (CH), Mariano Barbacid (ES), Dafna Bar-Sagi (USA), Frank-D. Böhmer (D), Johanness Bos (NL), Rudi Busse (D), Pietro De Camilli (USA), Ivan Dikic (D), Julian Downward (UK), Pier Paolo Di Fiore (I), Ari Helenius (CH), Steve Hubbard (USA), Tony Hunter (USA) plenary lecture, James H Hurley (USA), Michael Karin (USA), Mark Lemmon (USA), Matthias Mann (DN), Chris Marshall (UK), Harvey McMahon (UK), Wouter Moolenaar (NL), Werner Müller-Esterl (D), Emmanuel van Obberghen (F), Tony Pawson (CAN), Jacques Pouyssegur (F), Joseph Schlessinger (USA), John Scott (USA), Nick Tonks (USA), Axel Ullrich (D), Alfred Wittinghofer (D), Yosef Yarden (IS), Mariano Zerial (D)

**Application Deadline: March 1, 2004;** For additional information, please see <http://www.icst.irb.hr>



## **FEBS CONGRESS 2004**



*June 26 - July 1 2004, Warsaw, Poland*  
<http://www.febs2004.pl/>

### *SCIENTIFIC PROGRAM*

#### **PLENARY LECTURES:**

1. **Datta Lecture** (Opening Lecture): "NMR views of soluble proteins and membrane proteins", Kurt Wüthrich (Switzerland)
2. **Sir Hans Krebs Lecture:** "Pharmacology of vascular endothelium", Ryszard Gryglewski (Poland)
3. **Theodor Bücher Lecture:** "Calcium signalling in apoptosis", Rosario Rizzuto (Italy)
4. **EMBO Lecture:** "Assembling the nuclear envelope", Iain Mattaj (Germany)
5. **IUBMB Lecture:** "Extracellular proteolysis at the synapse: regulatory roles in synaptic structure, function, and plasticity", Peter Sonderegger (Switzerland)
6. **PABMB Lecture:** "Yeast activators transcription factors (YAPs) and stress response: An overview", Claudina Rodrigues-Pousada (Portugal)

#### **SYMPOSIA:**

##### **1) "DNA realm"**

Session 1: "Mutagenesis and DNA repair"

Session 2: "Control of gene expression; chromatin and epigenetics"

Session 3: "Comparative genomics and bioinformatics"

##### **2) "RNA world"**

Session 1: "mRNA: biogenesis, localization, translation"

Session 2: "RNA interference and microRNAs"

Session 3: "Ribosome: evolution, structure and function"

Session 4: "Noncoding RNAs"

Session 5: "Ribozymes and therapeutic use of RNA"

##### **3) "Proteins and peptides at work"**

Session 1: "Protein structure and function at the atomic level"

Session 2: "Enzyme structure and function: from bioinformatics to biochemistry"

Session 3: "Macromolecular recognition"

Session 4: "G-protein coupled receptors"

Session 5: "Peptidases in health and disease"

Session 6: "Proteomics"

Session 7: "Signaling by the ubiquitin family" Session 8: "Cell membrane molecules and cancer progression"

**Continues..**



## **FEBS CONGRESS 2004**

June 26 - July 1 2004, Warsaw, Poland  
<http://www.febs2004.pl/>



### **SCIENTIFIC PROGRAM CONTINUED..**

#### **4) "Cell biochemistry"**

- Session 1: "Cell physiology and lipid signalling"
- Session 2: "Biology of Glycoconjugates I: Structure, metabolism, function and evolution"
- Session 3: "Biology of Glycoconjugates II: Glycoconjugates in human pathology"
- Session 4: "Intracellular ion channels"
- Session 5: "Nucleotide receptors"
- Session 6: "Extracellular proteases in brain function and dysfunction"
- Session 7: "PI-3K/Akt signalling in immunity, cancer and neuronal plasticity"
- Session 8: "Bioenergetics"
- Session 9: "Membranes: transport and signalling"
- Session 10: "Mechanisms of endogenous protection in cells"

#### **5) "Biosphere and biochemistry"**

- Session 1: "Symbiosis and parasitism"
- Session 2: "Molecular determinants of behaviour"
- Session 3: "Molecular evolution"
- Session 4: "Human genetic polymorphism and unity"
- Session 5: "Genotype - phenotype relations with extremophiles"

**DEADLINE FOR ABSTRACT  
SUBMISSION IS  
31<sup>st</sup> of January 2004**

#### **6) "Towards healthier life"**

- Session 1: "Aging population"
- Session 2: "Food and health"
- Session 3: "Bacterial diseases: mechanisms and control"
- Session 4: "Viruses - threat or service?"

#### **SPECIAL SESSIONS:**

1. "Problem-based Learning: Information or Skills?" arranged by FEBS Working group on Teaching Biochemistry
2. "Life time career planning" arranged by FEBS Working group on Women in Society
3. "The Use of Stem Cells in Research and Future Medical Practice" arranged by FEBS Working group on Science and Society.



## ***FEBS FORUM FOR YOUNG SCIENTISTS (FFYS)***

**June 24–26, 2004 Warsaw**

The FEBS Forum for Young Scientists (FFYS) is a satellite meeting of the FEBS Congress 2004 in Poland. The meeting is intended for PhD students and recently graduated PhDs who are members of a FEBS Constituent Society.

The Forum is not specialised in any particular theme, applicants representing any field of biochemistry and molecular biology can apply. The sessions will be composed of 10-15 speakers selected from the submitted abstracts. Other participants will present posters. The number of participants will be restricted to 150.

Organizers:

Rafał Czajkowski (Warsaw), Edyta Brzóska (Warsaw), Eeva Sievi (Helsinki) and Marja Makarow (Helsinki)

### **Outline of the FFYS program:**

#### **Thursday, June 24**

- 13.00 Registration and mounting of posters
- 16.00 Opening of the meeting: Rafał Czajkowski  
Key note talk: Professor Ada Yonath, Israel  
Session 1
- 19.00 Get-together party

#### **Friday, June 25**

- 09.00 Session 2
- 12.00 Lunch
- 13.00 Poster session 1
- 15.00 Panel discussion addressing young scientists issues, such as shaping a scientific career, funding instruments for young scientists, mobility, workplaces in industry and bio-business.  
*Chair: Marja Makarow*
- 19.00 Banquet

#### **Saturday, June 26**

- 09.00 Poster session 2
- 12.00 Session 3
- 14.00 Closing of the meeting

**Venue:** Faculty of Biology, Warsaw University 1 Miecznikowa Street, 02-096 Warsaw

**Accommodation:** Hotel Vera, 16 Bitwy Warszawskiej 1920 R. Street, 02-366 Warsaw, <http://www.orbis.pl>

**Financial support:** Will be available to participants.

**Applications:** Please send 2 copies of your application to: Rafał Czajkowski, FEBS Forum for Young Scientists, Nencki Institute of Experimental Biology Pasteura 3, 02-093 Warsaw, Poland

***For detailed information on FFYS 2004, please see [www.febs2004.pl/FYS](http://www.febs2004.pl/FYS).***



## ***FEBS FORUM FOR YOUNG SCIENTISTS (FFYS)***

By Rafał Czajkowski, organiser of FFYS 2004

Promotion of promising young scientists has been one of the main objectives for FEBS the past years. FEBS fellowships and bursaries are among the important and successful tools to fulfill this mission.

However, an international symposium that gathers PhD students and post-docs is a natural way to improve international contacts and provide an effective training of scientific presentation.

The first major attempt to organize such international meeting was done in 2000 by The Biochemical Society in UK and was connected with the 18th International Congress of Biochemistry and Molecular Biology, co-organized by FEBS.

In 2001, a similar event, named "*Forum of Young Scientists*" was held at the Instituto de Tecnologia Quimica e Biologica in Oeiras, Portugal. It was a satellite meeting of the 27<sup>th</sup> FEBS/PABMB Congress.

At the main Congress in Lisbon, the FEBS Council decided that a meeting for young scientists should be organised on a regular basis, as a satellite meeting of the annual FEBS Congress. This decision was connected to the establishing of the Working Group on the Career of Young Scientists, coordinated by prof. Marja Makarow from the University of Helsinki. A sum of 100,000 Euro annually was allocated for the organization of FEBS' FYS. It is sufficient to cover accommodation and travel costs for up to 130 participants and 3 lecturers.

The first Forum for Young Scientists was held on 18-20 October 2002 in Istanbul, Turkey. It was organized by Marja Makarow and Nina Saris from Finland and Tomris Özben from Turkey. It gathered 111 participants. 20 of these were selected to give talks, whereas the rest presented posters. A plenary lecture given by professor Franz-Ulrich Hartl from Max Planck Institute opened the symposium.

One of the innovative features of the Forum was the panel discussion devoted to the problems of shaping a scientific career in Europe. The invited guests gave brief talks to catalyze the discussion, and the participants discussed problems such as: Mobility in science, academic job versus industry, and the quality of PhD education in different countries. This overall idea was adopted by the FFYS following in 2003. In 2003, Wim Vander Berghe and An De Naeyer from Belgium together with Marja Makarow and Eeva Sievi from Helsinki organized the second FEBS Forum for Young Scientists. The plenary lecture was given by Dr Didier Trouche from CNRS, France.

This years Forum will be held in Warsaw, as the satellite symposium of 29<sup>th</sup> FEBS Congress.

We hope that it again it will be a great success, and it will contribute to the improvement of PhD education and scientific exchange in Europe.

# FEBS CONGRESS 2005



***The Protein World***  
***Proteins and Peptides: Structure, Function and Organization***  
***Science is Fun: a Conference for your Creativity***  
**<http://www.febs-iubmb-2005.com>**

## More than 1500 pre-registrations!

### **International Advisory Board:**

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### **Congress President:**

Péter Friedrich  
(friedric@enzim.hu)

### **Scientific Committee**

#### **President:**

Balázs Sarkadi  
(sarkadi@biomembrane.hu)

### **Organizing Committee**

#### **President:**

Péter Csermely(csermely@puskin.sote.hu)

Dear Colleague,

it is my pleasure to send you our 1st Newsletter of the Congress. As our most important advance, we have put the organisers of various symposia to our web-site ([www.febs-iubmb-2005.com](http://www.febs-iubmb-2005.com); click on Symposia).

Besides providing and enjoying the traditional friendly atmosphere of FEBS Congresses we will celebrate the 50th anniversary of IUBMB and the 100th anniversary of the Journal of Biological Chemistry at the Congress. The Argentinean and the Australian Biochemical Societies will be special guests of the Congress celebrating their 40th and 50th anniversaries, respectively, with us. We are preparing an organised trip for the Japanese and Chinese participants, and would be most happy to prepare similar actions for other countries.

***Please take a moment, and make your pre-registration at [www.febs-iubmb-2005.com](http://www.febs-iubmb-2005.com) to ensure that all news of the Congress will reach you. Many thanks!*** We will have several special programs for young scientists including scholarships. Please show this letter to your younger colleagues in the Department, who are most probably not on our mailing list and encourage them to pre-register at our web-site.

See you in Budapest, where we will show you that science is not only a serious business, but also a lot of creativity and fun. On behalf of all the organizers, I am looking forward to have you as our partner in this exciting endeavor,

Sincerely yours,

(Prof. Peter Csermely)  
Chairman of the Organizing Committee

**Secretariat:** Franciska Morlin, Chemol Travel Congress Department, H-1366 Budapest, P.O. Box 28. Hungary,





## CONTACT PERSON/LAB WANTED!

I am looking for an opportunity to continue my PhD studies, and wish to establish contact to a researcher/ a research lab focusing on molecular nutriology.

I am particularly interested in the regulation of gene expression of lipids metabolism, and would like to spend from 4 months to 1 year in a host laboratory.

Currently I am studying the expression of desaturases, and I would like to know which transcription factors control the polyunsaturated acid metabolism in special cases.

If you can help, please write me.

Kind regards

**Maricela Rodriguez,**

Unidad de Investigación Médica en Nutrición, Mexico

**E- mail: giraviol@yahoo.es**

## FEBS Advanced Courses 2004 — updated list is now available at

[http://www.febs.org/Activities/Advanced\\_Courses/Advc04.htm](http://www.febs.org/Activities/Advanced_Courses/Advc04.htm)

- clicking the URL above will take you directly to the list.

## THE CHEMICAL BIOLOGY VIRTUAL JOURNAL

The Chemical Biology Virtual Journal provides an easy-to-use point of access to chemical biology literature in Royal Society of Chemistry publications. Articles are taken from more than twenty of the RSC's journals, with primary literature free of charge for one month following publication in an issue. The Chemical Biology Virtual Journal gives:

- Rolling FREE access to primary literature
- Access to review articles and book information
- FREE fortnightly email updates of new content
- FREE chemical biology conference diary
- Current awareness features, book reviews, news and views

Please visit [http://www.rsc.org/is/journals/current/ej\\_update\\_form.htm](http://www.rsc.org/is/journals/current/ej_update_form.htm) to register for the FREE Chemical Biology Virtual Journal email updates

## LOOKING FOR A PHD OR A POST DOC?

- Check out <http://www.febs.org/News/Opportunities/Opportunities.htm>

(Clicking the URL above will take you directly to the vacancies listed at FEBS' website).

Do you have an announcement for the Message Board?  
- send it to [newsletter@febs.org](mailto:newsletter@febs.org), and have it posted here for free!  
(please write 'Message Board' in the subject title)



# FEBS Letters

The journal for rapid publication  
of short reports in molecular biosciences

- ▶ The protein mechanism
- ▶ Anticancer and related drugs
- ▶ Libraries from natural products



Published by Elsevier on behalf of the Federation of European Biochemical Societies

Volume 333, Number 1, 1st January 2004

January 2004

Dear Fellow Scientists,

With the start of the new year, FEBS Letters has a new look! Our crisp, new colors will appear in the first issue of 2004 and on our new web-page design ([www.febsletter.org](http://www.febsletter.org)). A fresher look isn't the

only thing new at FEBS Letters. We would like to welcome the newest member of our editorial board – Julian Schroeder, Professor of Biology at the University of California, San Diego. Julian, who joins the editorial board on February 1<sup>st</sup>, will replace Marc van Montagu who retired from the editorial board last November. We look forward to working with Julian and our other two new editors, Gerrit van Meer (Utrecht) and Sandro Sonnino (Milan), who began their terms as FEBS Letters editors at the start of the new year.

Our editorial board met last November in Leuven, Belgium and approved several changes regarding manuscript handling and publication procedures. We are pleased to announce that FEBS Letters will encourage the use of color by offering free color figures when it is essential to the clarity of the paper. Additionally, authors may publish color figures free of charge on the online edition of their paper. The board also opted to change the reference format in FEBS Letters. Starting this year, the editorial office will ask authors to include the titles of all cited references in their articles. While this might mean a bit more effort for our authors and production team, we feel this improvement will help our readers quickly and accurately find the information they need from a FEBS Letters article.

Perhaps the biggest improvement adopted by the editorial board last November was the switch to all electronic production. Currently, we use an electronic submission and peer-review system, but require hard copies for the publication process. Switching to all electronic handling means our authors will no longer have to send hard copies. Instead, the editorial office will simply ask them to upload their text and figure files, which will then be forwarded to our publisher's production department. All electronic production offers two advantages – quicker production times for our authors and an even higher quality printed product.

With the start of the new year, we would also like to announce the beginning of the 3<sup>rd</sup> FEBS Letters' Young Scientist Award competition. This award is for the most outstanding research letter published in FEBS Letters in 2004 with a corresponding author aged 40 years or younger. The winner will be invited to give a talk at the 30<sup>th</sup> FEBS Congress in Budapest, Hungary (July 2<sup>nd</sup> – 7<sup>th</sup>, 2005) and will be awarded a 10,000 Euro prize at the meeting. So send in your article today – you could be the winner of this year's prize!

Wishing you all the best for a healthy, happy and prosperous 2004,

The FEBS Letters Editorial Office  
Felix Wieland, Managing Editor  
Kara Bortone, Assistant Managing Editor  
Eva-Maria Emig, Assistant Editor  
Anne Mueller, Editorial Assistant

**FEBS Letters** – *the journal for rapid publication  
of short reports in molecular biosciences*



CONTINUED...



January 2004

Dear Fellow Scientists

### A new prize: The FEBS Journal Prize

As announced in the FEBS Newsletter 6-2003, we are introducing a new prize in 2004, to be awarded to a graduate student or young post-doctoral research

worker who is the first author of a paper judged to be the best in EJB during the year. A young post-doctoral research worker is defined as someone no more than 3 years from the time of award of the PhD degree when the paper is submitted. The prize is worth 10,000 euros, the winner will be chosen by the Editorial Board of the journal, and the judges' decision will be final. We hope this will help to stimulate interest in science among young people and plan to present the prize to the successful author at an appropriate FEBS Meeting.

Further details can be found on the journal website (<http://www.ejb.org>). The communicating authors of papers already submitted to the journal that will appear in the hard copy of EJB with a 2004 dateline will be asked by the Editorial Office whether the first author qualifies as a candidate for the prize. There is no need for you to take any further action unless you believe you have somehow been overlooked by the Editorial Office staff, in which case please send a message to [ejb@camfebs.co.uk](mailto:ejb@camfebs.co.uk) explaining the situation.

### Reviews

Since the last FEBS Newsletter, the following review article has been published in the journal:

The protein tyrosine phosphatase PTP-Basophil/Basophil-like. Interacting proteins and molecular functions, by K.S. Erdmann (Vol. 270/24)

The following reviews will be published in a forthcoming issue of EJB:

Glutamate signaling in peripheral tissues, by Eiichi Hinoi, Takeshi Takarada, Taichi Ueshima, Yuriko Tsuchihashi and Yukio Yoneda

A minireview series (in part honouring Professor Helmut Beinert) coordinated by Prof. Sandro Ghisla and with an introduction by Professors Ghisla and Beinert entitled: Beta-oxidation of fatty acids: regulatory aspects, genetic defects, structure and mechanisms of acyl-CoA dehydrogenases and oxidases

The minireview series comprises the following papers:

Acyl-CoA dehydrogenases: a mechanistic overview, by Sandro Ghisla and Colin Thorpe

Acyl-CoA dehydrogenases and acyl-CoA oxidases: structural basis for mechanistic similarities and differences, by Jung-Ja P. Kim and Retsu Miura

Genetic defects in fatty acid oxidation and acyl-CoA dehydrogenases: molecular pathogenesis and genotype-phenotype relationships, by Niels Gregersen, Peter Bross and Brage S. Andresen

Mitochondrial beta-oxidation, by Kim Bartlett and Simon J. Eaton

You can read reviews online and download them free of charge from the time of publication. All reviews published in EJB in recent years have now been collated and can be accessed free of charge on the EJB online websites: the Blackwell Publishing service Synergy (<http://www.blackwell-synergy.com/>) and the Highwire platform (<http://www.ejbiochem.org> and <http://highwire.stanford.edu/>). These sites are easily reached by hotlinks from the EJB website (<http://www.ejb.org>).

### Mathematical model database

The model from the following manuscript is now available on the mathematical modelling website linked to EJB:

A kinetic model of the branch-point between the methionine and threonine biosynthesis pathways in *Arabidopsis thaliana*, by Gilles Curien, Stéphane Ravel and Renaud Dumas (Vol. 270/23)

You can access and try out the mathematical models associated with this and any other such paper published in EJB free of charge online at the relevant website: (<http://jjj.biochem.sun.ac.za/database/index.html>). Full details of how to submit models for inclusion on the mathematical model database can be found in our Instructions to Authors (at <http://www.ejb.org>) and at the relevant website (<http://jjj.biochem.sun.ac.za/ejb/>).

We wish you every happiness and success in 2004 and look forward to publishing some of your best work in the journal. Don't forget the FEBS Journal prize for 2004.....

With best regards,

Richard Perham, Chairman of the Editorial Board  
 Louise Sanders, Editorial Manager  
 Vanessa Wilkinson, Deputy Editorial Manager  
 Jane Bartolozzi, Editorial Secretary  
 Laraine Kerr, Editorial Secretary  
 Ilana Wooster, Editorial Secretary



## POST-DOCTORAL POSITION AVAILABLE IN VISUAL NEUROSCIENCE (PSYCHOPHYSICS, ELECTROPHYSIOLOGY AND NEUROIMAGING)

Candidates are invited to apply for a Postdoctoral Research Fellowship (€1.495 /month, which starts beginning 2004) within the scope of the project POCTI/NSE/46438/2002 (Visual function in occipital and temporal lobe epilepsy: psychophysics, electrophysiology and imaging), financed by the FCT, Portugal.

The project will take place at Instituto Biomédico para a Investigação da Luz e Imagem, Coimbra, Portugal. This Fellowship will have a maximal duration of three years and follows the rules postulated by the Portuguese Law (Decreto-Lei nº 123/99, de 20 de Abril).

Applicants should have a doctoral degree in a discipline within the scope of biomedical sciences or biophysics. A letter of motivation, CV and two recommendation letters should be sent to the address given below, during the period between 1st and 18th of December 2003. A first selection will be made, on the basis of the CV and recommendation letters, and for the final decision selected candidates will then be invited for an interview.

Selected publications:

Castelo-Branco, M. Formisano, E. Backes, W. Zanella, F. Neuenschwander, S., Singer, W. & Rainer Goebel (2002) Activity patterns in human motion sensitive areas depend on the interpretation of global motion Proceedings of Nacional Academy of Sciences, USA, 99(21): 13914-13919.

Castelo-Branco M., Goebel, R. Neuenschwander S., and Singer W. (2000) "Neural synchrony reflects surface segmentation rules." Nature 405(6787):685-689.

Castelo-Branco, M. Faria, P. Forjaz, V. Kozak L. R. and Azevedo H. (2003) Early and late damage of parvo and koniocellular function in ocular hypertension and glaucoma Investigative Ophthalmology and Visual Sciences, in press

Contact:

**Miguel Castelo-Branco** (or att. Alda Gonçalves)

Laboratório de Psicofisiologia da Visão

Instituto Biomédico para a Investigação da Luz e Imagem (IBILI)

Faculdade de Medicina

Coimbra

Portugal

Telef: 00 351 239480286/ 00351936360050

Fax: 00 351 239480280

Email: mcbranco@ibili.uc.pt

## UNIVERSITY OF LIVERPOOL (UK) FOUR YEAR PHD PROGRAMME IN CELLULAR AND MOLECULAR PHYSIOLOGY

Our four-year PhD programme has been running in Liverpool since 1994. The programme provides formal training in a wide range of techniques. Students on this programme carry out three mini-projects before embarking on the full research project. We have five places on the programme from October 2004 each with a four-year Wellcome Trust-funded Studentship starting at £14,247 per annum (tax free). Short-listed applicants will be invited to visit the laboratories. Nationals of any EU country are eligible for Wellcome Trust-funded studentships.

Applications including a CV and names and full contact details of two academic referees should be sent to Helen Barker, The Physiological Laboratory, Crown Street, The University of Liverpool, Liverpool L69 3BX. Tel: 0151-794-5313, fax: 0151-794-5337, or via email: h.barker@liverpool.ac.uk

Further information can be obtained from our website <http://www.liv.ac.uk/physiology/index1.html>  
Closing date: January 31st 2004.



Continued...

## POST-DOCTORAL POSITION IN PARIS: STUDY OF INSULIN AND IGF1 RECEPTORS IN LIVING CELLS USING THE BRET METHODOLOGY.

We are seeking a highly motivated post-doc to join a research program focused on insulin and IGF1 receptors signaling. We are studying the activation of these receptors (Boute et al., Mol. Pharm., 2001) and the interaction of these receptors with intracellular partners (Boute et al., EMBO reports, 2003) using the BRET methodology. This methodology allows the study of protein-protein interactions in real time, in intact living cells. Therefore, it is possible to monitor interactions that depend on subcellular localisation of the partners and/or their post-translational modifications (i.e. phosphorylation/dephosphorylation). Experience in cell biology and molecular biology is required.

Send CV and list of publication to:

Dr. T. Issad, Director of Research - CNRS  
Cochin Institute, Department of Cell Biology

22 rue Méchain, 75014- PARIS

E-mail: [issad@cochin.inserm.fr](mailto:issad@cochin.inserm.fr)

Tel : (331)40-51-64-09

Fax : (331)40-51-64-30

<http://www.cochin.inserm.fr/anglais/Eupr415/UPR415E3.htm>

## INTERNATIONAL MSC/PHD/MD-PHD NEUROSCIENCES PROGRAM

is offered by the University of Göttingen, The Max Planck Institute for Biophysical chemistry, The Max Planck Institute for Experimental Medicine, and the Göttingen Center for Molecular Bioscience (BZMB).

All courses are taught in English. The program is free of tuition fees. Scholarships are available.

The application period opens on October 1 each year.

Applications need to be submitted to the Coordination Office by January 31 of the year of enrolment.

Detailed information on the program, application procedures etc., can be found at:

<http://www.gpneuro.uni-goettingen.de>

## INTERNATIONAL MSC/PHD/MD-PHD MOLECULAR BIOLOGY PROGRAM

is offered by the University of Göttingen, The Max Planck Institute for Biophysical chemistry, The Max Planck Institute for Experimental Medicine, and the Göttingen Center for Molecular Bioscience (BZMB).

All courses are taught in English. The program is free of tuition fees. Scholarships are available.

The application period opens on October 1 each year.

Applications need to be submitted to the Coordination Office by January 31 of the year of enrolment.

Detailed information on the program, application procedures etc., can be found at:

<http://www.gpmolbio.uni-goettingen.de>

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## Inserm

Institut national  
de la santé et de la recherche médicale

### INSERM – AVENIR 2003: PROGRAM FOR THE PROMOTION OF YOUNG RESEARCHERS

The "Avenir" program aims to support young scientists, PhD or MDs, who have exciting and creative project. Projects can be submitted in the disciplines of biomedical research, basic research, clinical a therapeutical research as well as public health research.

The "Avenir" program is not thematic although a special attention will be brought to research in public health focused on the evaluation of the French system, France health policies, impact of medical drugs and the evaluation of professional and environmental risks.

The "Avenir" program also aims to encourage autonomy and provide the opportunity for mobility of the candidate in the frame of a close interaction with other scientists at the host research site.

The Avenir applicant will be provided with a fully equipped laboratory space of approximately 50 m<sup>2</sup> within an Inserm laboratory or an "Institut Fédératif de Recherche" or French University Hospital and will have access to core facilities (including Clinical Research Centers and Biological Resources Centers). Applications can be submitted in the absence of a host laboratory, however the applicant should contact Inserm to get help identifying an appropriate host site.

Inserm will provide the successful applicants with a financial support of up to 60K euros per year for 3 years and, possibly, financial support to host a foreign post-doctoral fellow ("poste vert" Inserm) and a graduate student.

To encourage interdisciplinary research efforts, Inserm will support collaborative projects "binômes"; two researchers in close collaboration may submit complementary and synergistic projects. Each application will be submitted and evaluated independently.

Upon request, Inserm will suggest possible partners.

#### Eligibility:

#### 1. Researchers with a permanent position at Inserm, or other French research institutes, universities or hospitals.

The applicant must hold a permanent position, "chargé de recherche" or "directeur de recherche de 2e classe", "maître de conférence", "professeur des universités", "praticien hospitalier" or "professeur des universités et praticien hospitalier". For EPST applicants, mobility is strongly recommended. For all, the autonomy of the applicant and the ability to develop his/her own project and establish interactions with other groups are mandatory. The "Avenir" grant can be renewed once and should eventually lead the applicant proposing his/her own Inserm unit.

#### 2. Scientists without permanent position.

In collaboration with: The French Ministry of Health – Hospital Direction and Care Organization (DHOS) and General Direction of Health (DGS) -, Hospitals, Universities, local councils, the AIDS French Agency (ANRS), the French Blood Agency (EFS), the "caisse nationale maladie des professions indépendantes (CANAM)", the "Fondation de France", the "Fondation pour la recherche médicale (FRM)", the "Association française contre les myopathies" (AFM), the "Association pour la recherche sur le cancer" (ARC), the "Ligue nationale contre le cancer" (LNCC), and industrial partners.

The applicant (no nationality restriction), post-doctoral fellow, "chef de clinique assistant", "assistant hospitalo-universitaire", MD and/or PhD, will develop independently his/her scientific project. The mobility of the candidate and his/her insertion in a laboratory different from the one of his/her PhD, mandatory for post-doctoral fellows, will be favored. Her/his ability to interact with other groups within the research unit and the research site as a whole will be considered favorably during the assessment process.

Above listed partners will provide the successful post-doctoral applicants with a monthly fellowship of around 2.300 € net for 3 years. When the applicant holds a non permanent position in a French hospital, her/his status and salary will remain unchanged. Inserm intends to select 20 applications from researchers with a permanent position (EPST, French universities and hospitals) and 20 applications from post-doctoral scientists.

"Avenir" applications will be evaluated by a scientific commission, consisting of experts in the specific fields of the proposals. The application file can be downloaded: <http://www.inserm.fr> or <http://www.eva.inserm.fr>

To load on the EVA website: <http://www.eva.inserm.fr> before January 28th, 2004

#### Additional informations:

Anne-Marie Laffaye, e-mail: [laffaye.avenir@tolbiac.inserm.fr](mailto:laffaye.avenir@tolbiac.inserm.fr)

Inserm, 101, rue de Tolbiac - 75654 Paris Cedex 13, France



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## 20 POSITIONS FOR PHD STUDENTS AT HANNOVER MEDICAL SCHOOL (GERMANY) IN THE INTERNATIONAL MD/PHD-PROGRAM "MOLECULAR MEDICINE"

Hannover Medical School (MHH) invites applications for new PhD studentships to commence in **October 2004**. 20 positions are available, funded by the MHH and its departments. The program is member of the International Postgraduate Program (IPP; DAAD/DFG) and will be accredited according to European standards (ECTS) soon.

Projects are from areas such as: Immunology, Infection and Immunity, Oncology, Differentiation, Signal transduction, Stem Cells etc.

Positions are available for MDs as well as PhD students (Biology, Biochemistry etc.). Successful candidates are expected to finish with a PhD, alternatively Dr. rer. nat., within three years. The curriculum is in English. Over 50% of the students come from non-German countries.

The deadline for receipt of completed application is April 1<sup>st</sup>, 2004.

Application forms, further information about the international MD/PhD-Program and the research projects at: [www.mh-hannover.de/studium/phd](http://www.mh-hannover.de/studium/phd)

**Further information::** Prof. R.E. Schmidt (E-mail: [immunologie@mh-hannover.de](mailto:immunologie@mh-hannover.de)) and Dr. Susanne Kruse (phone: +49-511-532-6011, E-mail: [kruse.susanne@mh-hannover.de](mailto:kruse.susanne@mh-hannover.de))

## FREE UNIVERSITY OF BRUSSELS, INSTITUTE OF INTERDISCIPLINARY RESEARCH STRUCTURAL PROTEOMICS IN SIGNAL TRANSDUCTION

POSITIONS: Two Postdoctoral Fellows.

LOCATION: Institute of Interdisciplinary Research (I.R.I.B.H.M.), Free University of Brussels, Brussels, Belgium.

PROJECTS: Our major goals are the discovery of novel molecules involved in signal transduction, i.e. ligands for orphan membrane receptors and intracellular second messengers, as well as the study of their post-translational modifications (phosphorylation, proteolytic processing, ...).

Current applications concern essentially the purification of peptides and proteins by 2D-electrophoresis and multidimensional HPLC, followed by their characterization by mass spectrometry. Peptide mapping and microsequencing are performed by using MALDI and nanoLC Q-TOF systems. The physiological roles of the discovered polypeptides are investigated by using a proteomic approach for differential screening of expressed and secreted proteins in various cell types, i.e. immune cells.

ELIGIBILITY: Ph.D. with strong background in protein research.

DURATION: Two (to three) years.

DEADLINE: 2004.

CONTACT: Please send a detailed CV with names and addresses of two referees, and a brief summary of research plans and accomplishments to:

### **Dr. David Communi**

I.R.I.B.H.M., School of Medicine, Campus Erasme, Bldg. C

Free University of Brussels, 808, route de Lennik, B-1070 Brussels, Belgium, Europe

Office phone: 32 2 555.4150; Laboratory phone: 32 2 555.4221/4154; Fax: 32 2 555.4655;

Email: [dcommuni@ulb.ac.be](mailto:dcommuni@ulb.ac.be)

**For further information on the institute, see: <http://www.ulb.ac.be/medecine/iribhm/>**



<p><b>What:</b> International Symposium on Women's Health Issues in Thrombosis and Haemostasis</p> <p><b>When:</b> February 4-6, 2004</p> <p><b>Where:</b> Budapest, Hungary</p>	<p>For detailed information please see:</p> <p><a href="http://www.kenes.com/whith">http://www.kenes.com/whith</a></p>
<p><b>What:</b> ATP-Binding Cassette (ABC) Proteins: Towards a Structural View of Mechanism — A Satellite Meeting</p> <p><b>When:</b> February 13, 2004</p> <p><b>Where:</b> Baltimore, USA</p>	<p>For detailed information please see:</p> <p><a href="http://www.biophysics.org/anmtg/satellite.htm">http://www.biophysics.org/anmtg/satellite.htm</a></p>
<p><b>What:</b> First IEO-IFOM Meeting on Cancer</p> <p><b>When:</b> March 11-14, 2004</p> <p><b>Where:</b> Milan, Italy</p>	<p>For detailed information please see:</p> <p><a href="http://www.cancermeeting.it">http://www.cancermeeting.it</a></p>
<p><b>What:</b> The 55. Mosbacher Kolloquium: How nutrients influence gene activity</p> <p><b>When:</b> April 1 - 3, 2004</p> <p><b>Where:</b> Baden, Germany</p>	<p>For detailed information please see:</p> <p><a href="http://www.gbm-online.de/">http://www.gbm-online.de/</a></p>
<p><b>What:</b> FEBS Lecture Course on Cellular Signalling &amp; 4th Dubrovnik Signalling Conference</p> <p><b>When:</b> May 21-27, 2004</p> <p><b>Where:</b> Dubrovnik, Croatia</p>	<p>For detailed information please see:</p> <p><a href="http://www.icst.irb.hr">http://www.icst.irb.hr</a></p>
<p><b>What:</b> 29th FEBS Congress</p> <p><b>When:</b> June 26 - July 1, 2004</p> <p><b>Where:</b> Warsaw, Poland</p>	<p>For detailed information please see:</p> <p><a href="http://www.febs2004.pl/">http://www.febs2004.pl/</a></p>
<p><b>What:</b> BioScience2004</p> <p><b>When:</b> July 18 - 22, 2004</p> <p><b>Where:</b> Glasgow, UK</p>	<p>For detailed information please see:</p> <p><a href="http://www.BioScience2004.org">http://www.BioScience2004.org</a></p>
<p><b>What:</b> 3rd International and 28th European Peptides Symposium</p> <p><b>When:</b> September 5 -10, 2004</p> <p><b>Where:</b> Prague, Czech Republic</p>	<p>For detailed information please see:</p> <p><a href="http://www.kenes.com/28eps/">http://www.kenes.com/28eps/</a></p>