

FEBS News



November 2004 (6/2004)

FEBS — FOR YOUR INFORMATION.....	2
FROM THE SECRETARY GENERAL.....	3
FEBS ANNIVERSARY CELEBRATION - CHALLENGES FOR EUROPEAN SCIENCE.....	4
THE MESSAGE BOARD.....	6
THE FEBS PUBLICATIONS: WHAT'S IN A NAME?.....	7
NEWS FROM THE FEBS PUBLICATIONS.....	8
FEBS ADVANCED COURSES.....	10
OPPORTUNITIES.....	13
THE WWW OF UP-COMING EVENTS.....	16

FEBS — FOR YOUR INFORMATION

By Camilla Krogh Lauritzen,
FEBS Information Manager
FEBS Secretariat,
co/the Danish Cancer Society
Strandboulevarden 49, DK-2100, Denmark
E-mail: camilla@febs.org
FEBS website: <http://www.febs.org>



Dear Colleagues,

2004 is coming to an end, and in FEBS we are busy getting ready for 2005; our 41st season. Several new initiatives are being lined up for kick-off next year. Much more about this in the next issue of [FEBS News](#). Did you notice? — FEBS NewsLetter has changed its name to FEBS News, as of this issue. Read more about this and the other two FEBS Publications at p. 7-9.

Despite the new name, this newsletter keeps its focus; to facilitate news, views, and opportunities to our members. To start with the news: As you know, FEBS is a very active player in the science political arena. On p. 3, the Secretary General will brief you on the latest achievements and news on the European Research Council (ERC) and the Initiative on Science in Europe (ISE).

And talking about science in Europe: On p. 4-5 you can read the last three views from FEBS members, who by sharing their views on the future challenges for science and FEBS won a free registration to this year's FEBS Congress in Warsaw. These three views are the last of 12 views, which in January were selected to be published in FEBS News(Letter) throughout 2004.

And finally, opportunities: Are you looking for a PhD or a Post Doc position, an advanced course, or an interesting congress? Then check out p. 10-16. And remember: FEBS have many more Advanced Courses, a Congress, and several other things to offer you/our members in 2005. For further info, please consult our website and the upcoming issues of FEBS News.

Kind regards,

Camilla

About FEBS News:

FEBS News is published every second Monday in every second month (starting January), and e-mailed to approx. 16,000 subscribers in more than 50 countries. This issue as well as all back issues of FEBS News are available online at http://www.febs.org/News/Newsletter/Febs_Newsletter.htm

Free e-subscription is offered; subscribers will receive a direct link to the newsletter via e-mail, when ever a new issue is out. To subscribe, unsubscribe or change your contact details simply send an e-mail to newsletter@febs.org. You can also subscribe on-line at http://www.febs.org/e-mail_registration.asp.

As a service to our more than 40,000 members, FEBS offers **FREE** advertising of academic positions (PhD's, Post Doc's and Senior Post Doc's), as well as other offers which corresponds to the mission and activities of FEBS. To post a vacancy at the "Opportunities" pages (p.12) or a message at the FEBS News Message Board (p.6) or at our website, please forward all relevant details — including relevant deadlines — to newsletter@febs.org.

Next issue will be out on **January 10, 2005**. Deadline for entries, incl. advertisements, for the January issue is **December 31, 2004**.

Enquiries about FEBS News should be addressed to Camilla Krogh Lauritzen (camilla@febs.org).



THE INITIATIVE FOR SCIENCE IN EUROPE (ISE) - A REALITY

By **Julio E. Celis**,
Secretary General of FEBS

Institute of Cancer Biology and Danish Centre for Translational Breast Cancer Research (DCTB),
The Danish Cancer Society, Strandboulevarden 49,
DK-2100 Copenhagen Ø, Denmark, E-mail: jec@cancer.dk

At a recent meeting organised by the Initiative for Science in Europe (ISE) group at the UNESCO Headquarters in Paris, delegates representing a large number of organisations and institutions across the life sciences, natural sciences, humanities and social sciences, agreed to join forces to establish a platform to promote independent scientific advice in European policy making, and to stimulate the participation of European scientists both in the design and implementation of science and technology policy.

The assembly unanimously supported the appointment of Jose Mariano Gago, ex Portuguese Minister of Science and Technology, as chair of the ISE platform, which for the moment has the ERC as the main item on its agenda.

FEBS is delighted with this development as it fulfils a long-term objective of our organisation as a stakeholder in the European Research Area (ERA), a vision put forward by Commissioner Philippe Busquin at the Lisbon Submit in the year 2000, to address the fragmentation of science in Europe. Early in 2001, FEBS together with The European Molecular Biology Organisation (EMBO), the European Molecular Biology Laboratory (EMBL), and the European Life Science Organisation (ELSO), created a model organisation, the European Life Sciences Forum (<http://www.elsf.org>) in an effort to stimulate scientists to take a more active role in strategic and science policy issues, and to take joint action in matters of common interest.

Now that a larger platform has been established,

there may not be a need to continue with the ELSF as a formal organisation, as the ISE embraces all sciences, social sciences and humanities included. In my opinion the ELSF has played a key role in the discussions leading to the current state of affairs concerning the ERC, and it is now up to the whole of the scientific community to finish the task.

EMBO, EMBL and FEBS have pledged to continue full support of the ISE secretariat until July 2005, thus securing a smooth transition. Thereafter, FEBS is planning to divert some of these funds to establish an office in Brussels, as approved by Council, to provide information and advice concerning the Framework programmes to colleagues from developing countries in Europe. Also, the ERC, if implemented, will have an impact on these countries and FEBS wants to make sure that they see this new instrument for funding basic research as an opportunity, rather than a threat.

For general information about ISE, as well as detailed information on this particular meeting and the participating organisations, please see <http://www.initiative-science-europe.org/index.html>

For further information, please contact Luc van Dyck, Secretary, Initiative for Science in Europe (ISE) Executive Coordinator, European Life Sciences Forum (ELSF) via e-mail; luc.vandyck@elsf.org.



CHALLENGES FOR EUROPEAN SCIENCE

(X/XII)

By **Toni Gabaldon Estavan**,
Member of the Spanish Biochemical Society and the Royal Netherlands Chemical Society

One of the winners of a free registration to the 2004 FEBS Congress in Warsaw

European leaders have recently expressed their commitment to transform this continent into the most competitive and dynamic knowledge-based economy in the world. To accomplish this ambitious plan is necessary not only a significant increase in the research spending (with a 3% of the Gross Domestic Product set as an objective for 2010) but also major changes in the European research structure. With more countries joining the European Union this year and many others following similar policies this transformation is likely to affect most of the continent. Initiatives such as the implementation of a European Research Area (ERA), the creation of excellence centers or the harmonization of the legislation to protect intellectual property rights will definitely affect the every-day lives of researchers in Europe.

All these represent great challenges for the scientific community in the years to come. At the end of the day, the scientists are indeed the essence of the research structure, the ones that produce the knowledge that is supposed to drive the society.

The way the researchers will use the newly available resources, their commitment to transfer knowledge to industry and society and the success of their groups in attracting good researchers from elsewhere are factors that can determine the success of creating a more competitive research in Europe. To know that an important stage in my scientific career is going to take place in such suggesting conditions is keeping me awake at nights.

In this scenario FEBS and other European scientific societies will have a very crucial role. First of all they can drive the building of a common European research area by creating connectivity and tighter cooperation between scientists and groups around Europe. Moreover they can serve as a communication channel that informs the scientists about new opportunities created or changes that will affect them. And last but not least, societies can be the discussion platform used by researchers to have a say in scientific policy.



CHALLENGES FOR EUROPEAN SCIENCE

(XI/XII)

By **Mariana B.L. Carvalho** and **João P.R. Abecasis**,
Members of the Portuguese Biochemical Society

Two of the winners of a free registration to the 2004 FEBS Congress in Warsaw

Fresh out of college we are now taking our first steps as scientists in the biochemical field. What we can expect of the future is of major concern to us and keeps us awake many nights, for sure! Back here in Portugal, we are facing an economic crisis that is affecting almost every aspect of our lives. Research is almost exclusively supported by the government and EU funds. Young scientists face either jumping from grant to grant for a career or going abroad by themselves and trying their luck elsewhere. We lack scientific jobs and positions at research labs and scientific research funded by private companies is almost nonexis-

tent. These same problems are affecting other countries throughout Europe.

As a whole, European scientists face fierce competition from the other side of the Atlantic and European governments have made their quest to turn Europe into the most competitive knowledge based economy in the world by 2010. It will be the responsibility of each of us to bring about such an endeavor and FEBS will certainly have a role in expressing the scientific community's concerns and opinions on government's policies.





Continued...

Public awareness is ever more important. Life scientists, in particular, must answer society's concerns about stem cells research, cloning and other issues that arise as science progresses. This is both about informing the public by demystifying issues and answering concerns on security and ethical issues. We expect FEBS to be a key player in this area, promoting conferences between scientists and the general public and through other public information campaigns. We expect FEBS to continue having an important role promoting the interchange of ideas and people both inside and outside of Europe, while coordinating common efforts of its constituent societies. Namely, promoting the mobility of young scientists and helping

constituent societies ensure their countries welcome them back when they wish to return.

We believe FEBS will be the glue that keeps us together and the network through which we will communicate. We see great potential for web-based bulletin boards that FEBS already promotes at their website. Maybe it will turn into a key portal for biochemists all over.

At the end of the day we believe things will get sorted in the future and turn out for the best. We wish the best for the next 40 years of FEBS and hope we will be able to contribute and help achieve its goals!



CHALLENGES FOR EUROPEAN SCIENCE

(XI/XII)

By **Mykhaylo Artamonov**
Member of the Ukrainian Biochemical Society

One of the winners of a free registration to the 2004 FEBS Congress in Warsaw

Trends in modern biochemistry

I think that comprehensive view on the challenges that European Scientists are facing in the years to come is very hard to voice because nowadays biochemistry and molecular biology are being developed fantastically fast and priority tasks are being constantly changed. Besides, it is difficult to cover all fields. Therefore I want to try to observe foreground task in the field of my scientific interests namely in lipid biochemistry.

The notion of "genome" at first was employed more than fifty years ago and term of "proteome" appeared almost 10 years ago. But only two years ago the term "lipidome" was used at first and now this paradigm is being formed. It include the precision identification of lipid composition and role of lipids in cellular organisation (subcellular compartments and domains); the studying of biochemical mechanisms which have mediate lipid-lipid and lipid-protein interaction, conformation and dynamic; determination of quantitative changes of lipid composition after cell perturbation. Also it is necessary to emphasize the importance of lipids in cell vital functions, development and passing of different pathological states such as ischemic heart

disease, diabetes, neurodegenerative states and malignancies. In my opinion the solving of these scientific problems occupies the important place among main research problems facing the European scientists. The serious background for the existence of such standpoint is scientific meetings, conferences, advanced courses of last years which headed by FEBS and other scientific organisations. Essential part of them was dedicated to lipid biochemistry namely lipid signalling, cellular membrane machinery, lipid transport, lipid oxidation etc. That is the necessary presuppositions for progress in the lipidome paradigm in Europe.

Among the all tendencies of lipidomics I would like to single out two trends. One of them is the lipid rafts conception. It is difficult to overestimate importance of lipid rafts for receptor functioning, protein traffic, signal transduction and structure of cell membrane itself. Another one is striking conception which links two signalling systems – cannabinoid and NO-signalling system. This conception has been proposed in 2003 and speculates existence of the innate physiological response so called 'relaxation response' that is opposite to the stress response.



Are you looking for something, e.g. a PhD or Post Doc position? Then post your announcement at this message board for **free!**

All you need to do, is to include your text (all relevant details related to the position you are looking for) plus a specification of which FEBS society you are a member in an e-mail, and send it to newsletter@febs.org.

From 2005 EJB will be changing its title to **the FEBS Journal**

I am Dr.Vijay,
I completed my Ph.D successfully in the field of medicinal botany from Gulbarga University, Gulbarga, India. My area of specialization is Pharmacognosy and ethno botany. The title of my Ph.D thesis is PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF *ANDROGRAPHIS PANICULATA* NEES AND *SOYMIDA FEBRIFUGA* A.JUSS.

I am looking for post doctoral position in the field of Pharmacognosy or Ethno botany. My CV and references can be obtained from the FEBS Secretariat (please address your enquiry to newsletter@febs.org) or by contacting me. Also, please feel welcome to contact me if you have any questions.

Best wishes,

Dr.Vijay

Research Associate,

Dept. of Botany, University of Agri. Sciences,

GKVK Campus,

Bangalore-560065, India

E-mail: danapurvij@yahoo.com

Cell phone: 94480-28817

LOOKING FOR A JOB IN ACADEMIA?

Then you might find <http://www.academicjobseu.com> useful. This website refers to vacancies in 27 European countries

INVITATION FOR PROPOSALS — NOTE FOR POTENTIAL ORGANIZERS

FEBS yearly sponsors Advanced Study Courses (both lecture and practical) in all aspects of biochemistry and molecular biology. Special funds (including a grant for dedicated equipment) are available to organize practical courses in Eastern Europe. Funds are also available to support Workshops and Special Meetings on topics of high scientific interest. Youth Travel Funds are available to assist the attendance of young scientists (PhD and post-docs within five years of obtaining PhD) who are members of FEBS constituent or associated societies. Special funds are available for young scientists from Africa to participate in the FEBS Courses program.

Deadline for submission of proposals is March 15th or September 15th of each year preceding the course.

For further information, please see http://www.febs.org/Activities/Advanced_Courses/ADVCGEN.HTM or contact Prof. **Karel W. A. Wirtz**

Centre for Biomembranes and Lipid Enzymology, Dept. Biochemistry of Lipids, Utrecht University

P.O. Box 80.054, 3508 TB Utrecht, THE NETHERLANDS

Tel.: + 31 30 253 2546 / 253 3443; Fax: + 31 30 253 3151; e-mail: k.w.a.wirtz@chem.uu.nl



THE FEBS PUBLICATIONS: WHAT'S IN A NAME?



By **Willy Stalmans**,
Chairman of FEBS Publication Committee

Afdeling Biochemie, Campus Gasthuisberg, Katholieke Universiteit Leuven,
B-3000 Leuven, E-mail: Willy.Stalmans@med.leuven.ac.be

FEBS News – formerly the FEBS Newsletter

You may have noticed that this latest two-monthly issue of your familiar FEBS information source bears a new name: **FEBS News**. Why? It has become apparent that some younger scientists and occasional readers tended to confuse the FEBS NewsLetter with the **FEBS Letters**, the long-standing vehicle (since 1968) for the rapid publication of succinct and especially significant research findings. To eliminate any possibility of confusion we decided to shorten the name of the Newsletter into “FEBS News” – brief and clear – from the present issue onwards. And we have no doubt that you will continue to appreciate FEBS News as your source of current information on the scientific scene within and beyond FEBS.

January 2005: Launch of the FEBS Journal – formerly European Journal of Biochemistry (EJB)

Over the last decades “biochemists” have enriched their basic science with multiple new experimental approaches. Accordingly, we have noted that, over a period of some 15 years, many FEBS Constituent Societies have changed their name to include “Molecular Biology” besides “Biochemistry”. Nowadays biochemists are also expanding their science with other disciplines like molecular cell biology, bio-informatics, genomics and proteomics, systems biology, molecular medicine, and bio-nanoscience.

To accommodate the needs of the modern biochemist, FEBS and the Editorial Board of EJB have decided to replace “European Journal of Biochemistry” by the **FEBS Journal** from January 2005 onwards. This change emphasizes also the complementary nature of the two FEBS research publications: **FEBS Journal** for rapid publication of regular research papers in the molecular life sciences, and **FEBS Letters** for the ultra-rapid publication of concise, significant reports in the same broad area.

Why should you publish in the FEBS Journal and in FEBS Letters? - Because they are your publications, and their revenues support your scientific activities in Europe! FEBS Letters and EJB (soon the **FEBS Journal**) provide over 99 % of the FEBS income, of which in turn about 90 % flows back to the FEBS community. Thus, in 2003 the FEBS publications allowed FEBS to expend about 1.7 million EUR on four categories of fellowships; to invest 0.8 million EUR in 13 FEBS Advanced Courses and 3 FEBS Advanced Workshops; to provide over 300 young FEBS members with a grant (around 1,000 EUR as a mean) of the FEBS Youth Travel Fund to attend those courses; and to guarantee financial security to the organizers of the

annual FEBS Congress. It is clear that, without the FEBS publications, FEBS as you currently know it would cease to exist.

FEBS owns the copyright in both its publications, and ensures fair publishing practices:

➤ FEBS endorses the Washington D.C. Principles for free access to science. Recent issues of FEBS Letters and of EJB (soon the FEBS Journal) become available online to non-subscribers 12 months after publication.

➤ FEBS ensures maximal online availability of its publications in less developed countries through full participation in the HINARI scheme of the WHO (biomedical literature) and the AGORA program of the FAO (agricultural sector). Institutions in economically less-favoured FEBS countries can apply to FEBS for free electronic access to the FEBS Journal and/or FEBS Letters (see FEBS Newsletter 4/2004, pp. 6-8 at <http://www.FEBS.org>).

➤ FEBS has arranged for a complete online back-issue collection of FEBS Letters, and a similar collection of EJB (1967-1997) will be completed by 31 March 2005 – freely accessible to all.

➤ FEBS pursues a liberal copyright policy. It was among the first to allow authors to display a pdf-copy of their recent FEBS publications on their personal or institutional website.

Furthermore, the **FEBS Journal** and **FEBS Letters** offer you multiple benefits as an author, e.g:

➤ No page charges

➤ Online submission and review of manuscripts (same procedure for both publications), ensuring rapid handling by reviewers and publishers, in keeping with the specific aims of either publication

➤ Free colour illustrations if colour is judged essential by the handling editor

➤ Online publication of accepted papers prior to printing

➤ Both **FEBS Journal** and **FEBS Letters** offer a prize worth 10,000 EUR. Details of eligibility for the prizes can be found at <http://www.ejb.org> and <http://www.febsletters.org/>



FEBS *Letters*

November 2004

Dear Fellow Scientist,

In September FEBS Letters launched their new website (<http://www.febsletters.org>). The website was designed and updated by our publisher, Elsevier, and offers fast and easy access to Minireviews, and Editorials, as well as free access to Special Issues and all research papers over 12 months old. You can also look at the table of contents of the current issue and the abstracts of papers in press.

Don't forget to have a look at the website or the print version of the journal for information on the FEBS Letters Young Scientist award, a €10,000 award given annually to the corresponding author of the best paper published in FEBS Letters in the previous year. There is still time to submit a paper and be considered for this year's prize!

We would like to congratulate Jeff Schatz on winning the prestigious Italian Feltrinelli prize. The award recognizes his pioneering work on the formation of mitochondria. As many of you know, Jeff is a regular contributor to FEBS Letters with his popular essay series "Jeff's View". His most recent essay entitled 'Letting go' is a very thought-provoking look at scientific life and the need to make room for younger scientists.

We are pleased to announce Angel Nebreda as the latest addition to new the FEBS Letters editorial board, Dr. Nebreda was a group leader at the European Molecular Biology Laboratory (EMBL) in Heidelberg, and has recently returned to his native Spain, to take up a new post as head of the Signalling and Cell Cycle Group at the Spanish National Research Centre (CNIO) in Madrid. We are all looking forward to working with him.

As you know, FEBS Letters annually produces three or four Special Issues. Last year we produced our first Nobel Special Issue, and it was such a success that we are now in the process of producing a second Nobel Special Issue containing contributions from the speakers at the 130th Nobel Symposium that was held in Tällberg, Sweden in the middle of October. The symposium was entitled Molecular Mechanisms of Biological Processes and featured excellent contributions from very high-level scientists, including a number of Nobel Prize winners. The issue will also include a contribution from Ada Yonath of the Weizmann Institute in Israel, who will present the Datta Award Lecture at the 2005 FEBS Congress. The issue, which is being edited by Gunnar von Heijne, will be published early in 2005.

With best wishes,

The *FEBS Letters* Editorial Office

Felix Wieland, Managing Editor
Patricia McCabe, Assistant Managing Editor
Eva-Maria Emig, Assistant Editor
Tine Walma, Assistant Editor
Anne Mueller, Editorial Assistant



November 2004

Dear Fellow Scientists,

The new *FEBS Journal* will be appearing from 1 January 2005

It's happening! As you will know from previous newsletters, the *European Journal of Biochemistry* is changing its name to the *FEBS Journal* from 1 January 2005. The first issue of the new journal is now being prepared and we hope that you will like the

new appearance, the new format and layout, and the expanding emphasis into new areas. These include bioinformatics, genomics and proteomics, molecular cell biology and the molecular biology of disease, systems biology and nanoscience. For further details, please visit the current journal website (<http://www.ejb.org>). Papers being submitted to EJB will be going into the *FEBS Journal* from now on. The online submission system already advertises the change and full details can be obtained at <http://febsj.manuscriptcentral.com>.

The FEBS Journal Prize 2005

The first of the new *FEBS Journal* prizes will be awarded in 2005 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 2004. The prize is worth 10,000 Euros, and the winner will be chosen by the Editorial Board of the journal. Further details can be found on the journal website (<http://www.ejb.org>). The prize is being continued next year for papers published in *FEBS Journal* during 2005.

Reviews

You will wish to be aware of the forthcoming reviews in EJB, and also to have advance notice of the new reviews appearing in the first issue of the *FEBS Journal*.

Forthcoming reviews in EJB:

Models and mechanism of O-O bond activation by cytochrome P450: a critical assessment of the potential role of multiple active intermediates in oxidative catalysis, by Peter Hlavica

A minireview series coordinated by Thomas Meyer and Uwe Vinkemeier with an Introduction entitled: *Dynamic actions of STAT proteins*. The series comprises:

Weapons of STAT destruction: interferon evasion by Paramyxovirus V proteins, by Curt M Horvath, *Regulation of STAT signalling by proteolytic processing*, by Susan John and Lisa Hendry, *Nucleocytoplasmic shuttling of STAT transcription factors*, by Thomas

Meyer and Uwe Vinkemeier

Forthcoming reviews in *FEBS Journal* issue 1

Towards discovery-driven translational research in breast cancer, by Julio E Celis, José M A Moreira, Irina Gromova, Teresa Cabezon, Ulrik Ralfkiaer, Per Guldberg, Per thor Straten, Henning Mouridsen, Esbern Friis and Dorte Holm, *The importance of being dimeric*, by Giampiero Mei, Almerinda Di Venere, Nicola Rosato and Alessandro Finazzi Agrò.

You can read reviews online and download them free of charge from the time of publication. All reviews published in EJB in recent years 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

Mathematical models from papers published in the first issue of *FEBS Journal* will soon be freely available on the mathematical modelling website linked to *FEBS Journal*:

Kinetics of intra- and intermolecular zymogen activation with formation of an enzyme-zymogen complex, by Matilde E Fuentes, Ramón Varón, Manuela García-Moreno and Edelmira Valero; *Principles behind the multifarious control of signal transduction: ERK phosphorylation and kinase/phosphatase control*, by Jorrit J Hornberg, Frank J Bruggeman, Bernd Binder, Christian R Geest, Marjolein A.J. Bij de Vaate, Jan Lankelma, Reinhart Heinrich and Hans V Westerhoff

You can access and try out the mathematical models published in EJB free of charge online (<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/>).

Change in the Editorial Office

We welcome our new Editorial Secretary, Ms Juanita Goossens, who started work on 13 September 2004 in place of Laraine Kerr. Laraine, we hear, is enjoying her new life in Edinburgh.

With best regards,

Richard Perham, Chairman of the Editorial Board
Vanessa Wilkinson, Editorial Manager
Gail Entwistle, Deputy Editorial Manager
Jane Bartolozzi, Editorial Secretary
Juanita Goossens, Editorial Secretary
Ilana Wooster, Editorial Secretary



FEBS/EMBO ADVANCED COURSE ON "CHEMISTRY MEETS BIOLOGY"

(CODE 05-21C)

INTERNATIONAL SUMMER SCHOOL FOR POSTDOCTORAL SCIENTISTS AND ADVANCED PH.D.STUDENTS,
ISLAND OF SPETSES, GREECE, JULY 17 – 29, 2005

With the subtitle „Science at the Interface of Chemistry, Biology and Medicine“ this interdisciplinary course is uniting the scientific cultures of chemistry and biology in a joint effort to deepen our understanding of biological phenomena on a molecular level. The program will feature lectures, contributed posters and round table discussions. Accommodation and lectures will be at the Anargyros and Korgialenios School in Spetses. Discussions will be held at selected locations on the island.

Topics include:

DNA recognition and charge transport, Cell surface glycosylation and cancer, Synthesis of glycoproteins, Signal transduction: second messengers; GPI anchors: syntheses and biology, Protein glycosylation, Synthetic tools for bioactive molecules, Ligand design for drug discovery, Protein crystallography, Antibody engineering, carbohydrate synthesis and medicinal applications, ribonucleotide reductases-links between RNA and DNA, Fluorescent probes for glycobiology, Quest for new drugs: lead finding, natural products synthesis, Glycopeptide antibiotics-biosynthesis, Biological recognition mediated by carbohydrates, Gene therapy, proteomics etc.

The following scientists have accepted our invitation to present lectures:

Barton, J. (Caltech, USA), Bertozzi, C. (Berkeley, USA), Corda, D. (Cons. Mario Negri Sud, Italy), Dervan, P. (Caltech, USA), Ferguson, M.A.F. (Dundee, UK), Goody, R. (MPI Dortmund, Germany), Hoveyda, A. (Boston College, USA), Johnsson, K. (ETH Lausanne, CH), Kiessling, L. (Wisconsin, USA), Miller, A. (Imperial College, UK), Petsko, G. (Brandeis, USA), Raines, R. (Wisconsin, USA), Seeberger, P. (ETH Zürich, CH), Schneider, M. (Wuppertal, Germany), Stilz, U. (Aventis, Germany), Stubbe, J. (MIT, USA), Tsien, R. (U. California San Diego, USA), Wong, C.H. (Scripps Institute, La Jolla, USA)

Attendance will be limited to ca. 80 participants selected on the basis of their *curriculum vitae* and scientific background. Every participant is requested to present a poster - a condition for being accepted. Poster abstracts will have to be submitted together with the application. We are expecting comparable numbers of chemists and biologists. There will be no registration fee. The cost of accommodation including half board is ca. 500 - 550 Euro for the whole period of the meeting.

Important Dates:

Deadline for application: **31 May 2005**
(if applying for a YTF Fellowship): **30 April 2005**

Location: Island of Spetses, Greece

Further information: Please contact Prof. Schneider (see below)

Applications to:

Prof. Dr. M. Schneider,
FB C – Bergische Universität,
D-42097 Wuppertal, Germany,
E-mail: schneid@uni-wuppertal.de,
Tel.: +49 – 202 – 439 – 2775,
Fax: +49 – 202 – 439 – 2535



FEBS-SYSBIO2005

GOSAU, AUSTRIA, MARCH 12 - 18, 2005

On behalf of the Scientific Advisory Board, it is a pleasure to invite you to the first FEBS Advanced Lecture Course on Systems Biology, **FEBS-SysBio2005**.

Systems Biology is one of the most prominent newly emerging interdisciplinary science areas. By connecting fields such as genomics, proteomics, bioinformatics, mathematics, engineering, cell biology and genetics, with mathematics and computation, it enables discovery of yet unknown principles underlying the functioning of living cells. At the same time testable and predictive models of complex cellular pathways and eventually of whole cells are generated. FEBS-SysBio2005 shall cover essential and state-of-the-art aspects of SysBio from principles and methods to applications and modeling of living systems.

Scientific Programme:

The scientific programme includes the 5 following symposia:

Symposium 1: *(Chair - Hans V. Westerhoff)*
Principles of Systems Biology

Symposium 4: *(Chair - Stefan Hohmann)*
Systems Biology in Unicellular Eukaryotes

Symposium 2: *(Chair - Karl Kuchler)*
Methods and Tools for Systems Biology

Symposium 5: *(Chair - Hiroaki Kitano)*
Systems Biology in Mammalian Cells

Symposium 3: *(Chair - Barry Wanner)*
Systems Biology in Prokaryotes

In addition to this, the course will include various workshops, a poster session, a social programme, as well as an award; the best 3 abstracts shall receive the **"SysBio2005 Young Investigator Award"**.

Application Procedure:

We will accept a maximum of 120 students or post-docs and 30 principal investigators. Participants will be primarily selected on the basis of submitted abstracts. A maximum of two students per research group or laboratory may be instated. A total of 30 FEBS Youth Travel Fellowships are available. Student applications for YTF grants must include a one page CV and two letters of recommendation.

Important Dates:

Please notice that all abstracts and YTF applications **must** be submitted via the SysBio2005 website: <http://www.FEBSsysbio.net/>.

Deadline for YTF grants:	November 30, 2004
Deadline for online registration and abstract submission via http://www.FEBSsysbio.net/ :	December 10, 2004
Letters of acceptance and detailed course information will be e-mailed to all participants:	January 30, 2005
Deadline for any last minute changes and last cancellation date to obtain a refund:	February 21, 2005

Further information:
 Please see
<http://www.FEBSsysbio.net>

Course Office/contact persons:

Dr. Anneke Koster & Dr. Hans V. Westerhoff

BioCentrum Amsterdam, Department of Molecular Cell Physiology, Free University Amsterdam, De Boelelaan 1085, NL-1081 HV Amsterdam, The Netherlands, fax: +31-20-444-7729, E-mail: hweste@bio.vu.nl



FEBS/EMBO ADVANCED COURSE ON CELLULAR AND MOLECULAR BIOLOGY OF MEMBRANES (COURSE CODE 05-06C)

CARGESE, CORSICA, FRANCE, JUNE 20—JULY 1, 2005

This Lecture Course, which is number 10 in a series that started in 1987, will feature lectures, poster sessions and (in)formal discussions and will be open for graduate students, post docs and specialists in this field.

Lecturers include:

P. Cossart (Paris, F), E. Evans (Vancouver, Canada), B. de Kruijff (Utrecht, NL), F-U. Hartl (Martinsried, FRG), T. Kirchhausen (Harvard, USA), W.J. Lennarz (Stony Brook, USA), G. van Meer (Utrecht, NL), W. Neupert (Munich, FRG), A.P. Pugsley (Paris, F), T. Rapoport (Harvard, USA), J-L Rigaud (Paris, F), C. Robinson (Warwick, UK), R. Schekman (Berkeley, USA), L. Weisman (Iowa City, USA), W. Wickner (Dartmouth, USA)

Important Dates:

Deadline for application: As soon as possible, and no later than March 15, 2005.

A limited number of grants are available.

Location: The Institut d'Etudes Scientifiques in Cargèse, a pleasant little village, 50 km north of Ajaccio, on the west coast of Corsica (France).

Further information: Please see <http://www.chem.uu.nl/cargese2005/>

Applications, together with a letter of recommendation and a poster abstract, should be submitted to:

J.A.F. Op den Kamp,

Centre for Biomembranes and Lipid Enzymology,
P.O. Box 80.054, Utrecht University, 3508 TB Utrecht,
The Netherlands
Fax: +31-30-2522478; E-mail: j.a.f.opdenkamp@chem.uu.nl.





POST DOC OFFERED

UNIVERSITY OF OXFORD, UNITED KINGDOM

Applications are invited for a postdoctoral research position within the Glycobiology Institute, Department of Biochemistry, to analyse human hepatoma cell lines using molecular and proteomics approaches.

Applicants should possess a PhD or equivalent in biological or related sciences, with at least 4-5 years relevant experience. Applicants should also have extensive experience in primary hepatocyte culture. Molecular biology skills and a background in viral hepatitis research are essential.

The post is funded by an industrial grant for up to 2 years in the first instance. This position is graded on the University's Grade 1A scale, for which the salary range is £19,460 to £29,128 per annum. The actual starting salary offered will be based on qualifications and experience and will also be determined by the funding available.

Application deadline: **November 12, 2004**

For further information on this and other positions at University of Oxford, please see:

<http://www.bioch.ox.ac.uk/aspsite/index2.asp>

PHD POSITION OFFERED

DT. RHEUMAFORSCHUNGSZENTRUM, GERMANY

PhD position in a network-project of the signal transduction group at the DRFZ (Dt. Rheumaforschungszentrum). We are investigating the molecular and cellular mechanisms of lymphocyte signalling. The present project is an ongoing topic to modulate T cell activation to produce lymphocytes with a changed long lasting cytokine profile. Under specific conditions, the ex vivo manipulated lymphocytes showed a regulatory ("suppressor") T cell phenotype. The actual project should characterize the signalling and functional properties of these regulatory T cells. We are seeking for an engaged and highly qualified student with diploma in biology, biochemistry or similar qualification. She or he should be interested in cellular and functional aspects of the immune system and be prepared to work in a competitive field. Experiences with methods to study cell signalling are very welcome.

For further information, please see:

http://www.academicjobseu.com/content/jobsearch/job_advert.asp?jobadid=3310

Application deadline is **November 12, 2004**.

ASSOCIATE PROFESSORSHIP IN CELL BIOLOGY OFFERED

UNIVERSITY OF COPENHAGEN, DENMARK

At the August Krogh Institute, a position as associate professor in cell biology is open to appointment from September 1st 2005.

The successful candidate will be associated the research group at the biochemical department working on cell volume regulation, apoptosis, cell proliferation, and sensory functions of motile and primary cilia.

The candidate must have experience within these scientific areas with specific emphasis on the sensory role of the cilium in tissue homeostasis and signal transduction using immuno-cytochemistry, confocal microscopy, 2-D gelelectrophoresis analysis, molecular techniques and sequence analysis of intracellular signalling pathways. The candidate must be able to teach at all levels in Cell Biology and Developmental Biology.

According to the Ministerial Circular on Job Structure appointment to the position as associate professor requires a documented scientific production at an international level.

Application deadline: **December 3, 2004**

For further information on this and other positions at University of Copenhagen, please see:

<http://www.ku.dk/english/vacant%20positions/index.html>



POST DOC AVAILABLE

UNIVERSITY OF NAMUR (FUNDP) AT URBM, BELGIUM

A post-doctoral position is available to identify effectors secreted by the bacterium *Brucella melitensis*. Bacteria of the genus *Brucella* are pathogenic for domestic animals and occasionally for humans.

The intracellular stage is a key step in the *Brucella* infection process. After entry into phagocytic cells, *Brucella* is able to control the maturation of its phagosome. The molecular mechanisms used by the bacterium to control this maturation are unknown. We propose to take advantage of the availability of a *Brucella* ORFeome (Dricot *et al.*, 2004) to identify effectors that are secreted by *Brucella* during an intracellular infection.

The candidate must have a PhD in molecular biology, if possible with experience in the field of cellular microbiology or screenings involving yeast two-hybrid tests. The candidate must be ready to work with a CAT III pathogen. A part of this work will be done in collaboration with Dana-Farber Cancer Institute in Boston (Marc Vidal's lab), where the candidate is expected to perform a part of the research. The candidate must be able to manage a group of scientists, and have a keen interest in the proposed project.

The post-doctoral position is a fixed-term two year fellowship, for researchers in a situation of international mobility. It is part of a concerted research action (ARC) funded by the belgian french-speaking community. Informal inquiries regarding the scientific project, salary and any other information may be made to:

J.-J. Letesson (jean-jacques.letesson@fundp.ac.be), Jean Vandenhautte (jean.vandenhautte@fundp.ac.be) or Xavier De Bolle (xavier.debolle@fundp.ac.be).

Applications will include a complete and concise curriculum vitae, with the names, e-mail and mailing addresses of two referees.

Application deadline: **November 26, 2004**.

For further information, please see: <http://www.fundp.ac.be/>

Reference:

Dricot *et al.* (2004) Generation of the *Brucella melitensis* ORFeome version 1.1 *Genome Res.* **14**: 2201-2206.

POST DOC AVAILABLE

INSTITUT CURIE, PARIS, FRANCE

A postdoctoral position is immediately available in the Traffic and Signalling Laboratory at the Curie Institute in Paris.

The project is aimed at studying the molecular mechanisms and cellular functions of retrograde membrane traffic at the interface between endosomes and the TGN.

The Traffic and Signalling Laboratory has full access to the outstanding scientific environment and technical equipment (including core facilities) of the Curie Institute.

The candidate should have strong interest in cell biology and questions related to membrane transport. Renewable first year financing is available, but the candidate would also be asked to apply for follow-up funding. If you are interested, please send a motivation letter, a CV, and contact information of two researchers with whom you have worked in the past to the address to the right.



La Science au Service de l'Homme

SECTION
RECHERCHE

Ludger Johannes, Ph.D.
Traffic and Signalling Laboratory
UMR144 Curie/CNRS
Institut Curie
26 rue d'Ulm
F-75248 Paris Cedex 05
France
Tel: (+33) 1-42 34 63 51
Fax: (+33)1-42 34 65 07
E-mail: johannes@curie.fr



EMBL INTERNATIONAL PHD PROGRAMME

EMBL, PARIS, FRANCE

The EMBL International PhD Programme, originally established in 1983, represents the flagship of EMBL's commitment to first class training and education. Internationality, dedicated mentoring and early independence in research characterise our programme. Considered to be one of the most competitive PhD training schemes to enter, we are committed to providing EMBL PhD students with the best starting platform for a successful career in science.

For further information, please see: <http://www.embl.org/training/phdprogramme/index.html>

Application deadline is **January 2, 2005**.

20 POSITIONS FOR PHD STUDENTS

HANNOVER MEDICAL SCHOOL , GERMANY

Hannover Medical School (MHH) invites applications for new PhD studentships to commence in **October 2005**. 20 positions are available, funded by the MHH and its departments. The program is member of the International Postgraduate Program (IPP; DAAD/DFG).

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 60% of the students come from non-German countries.

The deadline for receipt of completed application is **April 1st, 2005**.

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

For further information, please contact:

Dr. Susanne Kruse

phone: +49-511-532-6011,

E-mail: daniel.marlies@mh-hannover.de

WOULD YOU LIKE TO SEE YOUR VACANCY APPEAR HERE IN NEXT ISSUE OF FEBS NEWS?

- then remember that FEBS offers **free** advertising of vacancies! - read more on p. 2



What: Signal Transduction: Targets for Effective Therapeutics

For detailed information please see:

When: November 8-9, 2004

<http://www.healthtech.com/2004/str/index.asp>

Where: Boston, Massachusetts

What: Metabolic Profiling: Pathways in Discovery

For detailed information please see:

When: December 13–14, 2004

<http://www.healthtech.com/2004/mbp/pdf.asp>

Where: Florida, USA

What: First ESH-EBMT Euroconference

For detailed information please see:

When: January 28–31, 2005

<http://www.esh.org>

Where: Dublin, Ireland

What: Second Workshop on Comparative Aspects of Oxidative Stress in Biological Systems

For detailed information please see:

When: February 15-18, 2005

<http://www.cibnor.mx/anuncios/oxistress/iindex.php>

Where: Baja California Sur, Mexico

What: 9th Annual Conference: Drug Discovery Technology Europe

For detailed information please see:

When: March 14-17, 2005

<http://click.cminteractive.com/?3ORkgkf2S=1498344>

Where: London West, UK

What: 14th International Scientific Congress CNIC 2005

For detailed information please see:

When: June 27-30, 2005

<http://www.cnic.edu.cu/14%20Seminario/principaleng.htm>

Where: Havana, Cuba

What: 2005 NSTI Nanotechnology Conference and Trade Show

For detailed information please see:

When: May 8-12, 2005

<http://www.nsti.org/Nanotech2005/>

Where: California, USA

What: 2005 International Conference on Aquaporins

For detailed information please see:

When: September 10-13, 2005

<http://www.aquaporins2005.com>

Where: Spa, Belgium