

# biosaxony Newsletter

August 2009

Ladies and Gentlemen:

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Dear Readers:

The Dresden factory of GlaxoSmithKline Biologicals has been specialized on the production of influenza vaccines for many years and received the H1N1 virus material in the end of May in order to develop a pandemic vaccine. The 50 million doses of Swine influenza vaccine ordered for Germany for the time being, as well as further approximately 250 million doses for the European countries, but also as a donation to the WHO, are being produced by GlaxoSmithKline by the help of chicken eggs: 390,000 – on every day. biosaxony asked for details:

*Which share in the production of the vaccine against the H1N1 virus has the Dresden factory got?*

GSK Biologicals in Dresden, in this year, is producing a special pandemic vaccine against the H1N1 virus, in addition to the vaccine against the seasonal influenza. Based on our Pandemrix mock-up vaccines, the purchase orders from European (and Asian) countries for the H1N1 antigen are being produced all at the Dresden factory, including 50 million doses for Germany. The adjuvant required for this is produced in Belgium.

*How is the production status of the vaccine?*

The first charges of the H1N1 pandemic vaccine are ready and are now being filled and packaged within the GSK network. The production of the next charges is continually under way in Dresden. In parallel, the clinical studies have been started so that a first distribution of the vaccine in September is realistic now as before, plus the time needed for the required market authorization. In order to produce all the purchase orders for the vaccine, the Dresden factory will continue producing to full capacity in the weeks and months to come.

*You have little time for the production of the vaccine and there are doubts with regard to possible side effects. How safe is the vaccine produced by GSK?*

It is our assignment to provide an effective and safe pandemic vaccine as quickly as possible. We prepared comprehensive studies in order to enable this, on agreement with the authorities and the Ethic Committee. GSK, in the last year already, was able to have the second generation of a pandemic vaccine authorized for the market, called Pandemrix. This is a kind of prototype of a pandemic vaccine (mock-up vaccine). The data and knowledge learnt with this pandemic vaccine already authorized for the market now is an advantage for the market authorization of a H1N1 vaccine against the new influenza virus: We can benefit from experience and thus accelerate the market authorization of a safe and effective vaccine.

*The GSK Swine influenza vaccine contains a so-called adjuvant. What does this mean?*

The AS03 adjuvant system is a water and oil emulsion that is mixed into the antigen directly before the vaccination by the physician. This "additive" would boost the immune response of the body. This means that far less antigen per application will be needed than with vaccines without adjuvant added, in order to achieve the desired immune protection. Comprehensive studies with influenza vaccines with adjuvant added showed that this "additive" significantly improves the immune response of the body even against slightly mutated influenza viruses (cross protection).

*How do you consider the further development of the vaccine production in Saxony/Dresden – headword: cell culture-based vaccine production?*

The current production cannot be done without eggs – as in the foreseeable future – in order to ensure the supply with seasonal or pandemic influenza vaccines respectively. The use of cell cultures for the production of influenza vaccines is a promising technology that may be an important supplement in the future. GSK as well is working on the development of cell culture vaccines against influenza. By the purchase of premises here in Dresden, we created an important prerequisite in order to reserve the required space for developing this technology.

Read in this newsletter what else happened in the Saxon biotechnology scene.

*Your biosaxony Team*

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## ECONOMY

### **APOGEPHA second winner of the competition between family-friendly businesses in Saxony**

APOGEPHA Arzneimittel GmbH, on the competition offered by the Sächsisches Staatsministerium für Wirtschaft und Arbeit (Saxon Ministry of Economic Affairs and Labor), "SAXplus – PRO FAMILIE TOP UNTERNEHMEN 2009" (PRO FAMILY TOP BUSINESS), was honored for its family-friendly business policy and ranked second in its category.

<http://www.apogepha.de/de/unternehmen/presse.html#c7549>

### **c-LEcta: New enzyme for the reduction of acrylamide**

The Leipzig biotechnology business c-LEcta established a production method in pilot project size for the "4-LEss acryl" enzyme and thus achieved an important milestone on the way to market launch. The asparaginase prevents the formation of potentially carcinogen acrylamide on the making of coffee beans, corn flakes and other food. It can be used in cooking or blanching processes up to a temperature of 100°C without an adjustment of the processes in food production being required. This is a contribution to the bettering of the consumer safety.

<http://www.openpr.de/drucken/325532/c-LEcta-Neues-Enzym-zur-Reduktion-von-Acrylamid.html>

### **Partec: Winner of the competition on the occasion of the World AIDS Day determined**

On the occasion of the World AIDS Day on December 1, 2008, PARTEC offered a worldwide competition where projects committed to the fight against HIV/AIDS could participate. The winner of the competition will be supported by free diagnostic instruments and reagents for HIV/AIDS, tuberculosis and malaria from PARTEC, for one year. The winner was announced on July 8, 2009: The University of Gondar, Ethiopia, can be glad about the prize. The facility, in its catchment area in Ethiopia, attends to population of more than five million. In addition, since the seventies, it has maintained close relations to the University of Leipzig and the present Fraunhofer IZI.

[http://www.partec.com/preview/cms/front\\_content.php?idcat=358](http://www.partec.com/preview/cms/front_content.php?idcat=358)

### **OHRIS Certificate for GlaxoSmithKline Biologicals Dresden**

GlaxoSmithKline Biologicals Dresden successfully implemented the OHRIS work protection system (Occupational Health and Risk Management System). Mr. Thomas Jurk, Saxon State Minister for Economic Affairs, handed out the certificate on July 21, 2009. "The Management System is a tool acknowledged in Germany by which the businesses are able to integrate work protection and safety efficiently into the internal business flows. GlaxoSmithKline Biologicals now have it black on white that they comply with their responsibility for their employees at any time to the full scope", so Mr. Jurk.

<http://www.medienservice.sachsen.de/medien/news/35373>

**100 specialists for the Saxon biotechnology: Leipziger Bildungszentrum (Leipzig Educational Center) continues qualification program**

There is acute shortage of specialists in spite of the economic crisis. This notably applies to the highly innovative industries such as the biotechnology. For 3 years, the biotech business EuroGene GmbH in Leipzig has counteracted this problem by the "Adjustment Qualification for Jobless University Graduates for their Integration into the Biotechnology Industry" project that is unique in Saxony. On the meanwhile sixth qualification completed, the 100th successful participant leaves the Educational Center. "On an average", so the project manager Marcus Herzberg, "75 % of the participants could be procured a job, and this above all in the Leipzig region." The next adjustment qualification will start on September 1, 2009.

[http://biosaxony.com/downloads/pressemitteilungen/PM\\_EuroGene\\_Juli09.pdf](http://biosaxony.com/downloads/pressemitteilungen/PM_EuroGene_Juli09.pdf)

**VITA 34 International AG: Positive result in the 2nd quarter of 2009**

VITA 34 International AG, the parent company of the leading umbilical cord blood bank in the German speaking countries, returned to the profits zone in the 2nd quarter of 2009. The result before interest and taxes (EBIT) improved to plus 16 thousand euros, after a loss of 0.8 million euros in the relevant quarter of the previous year. The periodical result turned from 0.8 million euros in the previous year to plus 68,000 euros. This puts an end to the business's scheduled phase of loss for two years in which high expenditure for sales and marketing was made in order to re-optimize the market position.

[http://ir.vita34.de/cgi-](http://ir.vita34.de/cgi-bin/show.ssp?companyName=vita34&language=German&id=2110&newsID=780243)

[bin/show.ssp?companyName=vita34&language=German&id=2110&newsID=780243](http://ir.vita34.de/cgi-bin/show.ssp?companyName=vita34&language=German&id=2110&newsID=780243)

**Transinsight's GoPubMed.com wins the 2009 red dot: best of the best award for excellence in communication design**

Transinsight's GoPubMed.com, the semantic search engine for the life sciences, has been recognized with the 2009 red dot: best of the best award in the category communication design - graphical user interfaces and interactive tool. A total of 6,112 submissions were received from 42 countries. The jury selected 470 entries for the "red dot design award." A group of only 56 submissions were selected as "the best of the best" and will be participating in the final round for the "grand prix award." The Transinsight team is proud to receive this prestigious award. GoPubMed.com is free of charge for non-commercial use.

<http://www.transinsight.com/news09>

## JOBBS

### Dresden

Cenix BioScience GmbH: Technical Research Assistant in vivo RNAi Unit

<http://www.cenix-bioscience.com/index.php?lg=en&id=careers&pos=1>

MPI-CBG (Max Planck Institute for Molecular Cellbiology and Genetics):

- Post-doc
- Research Group Leaders
- PhD Students
- Scientist
- Post-doc [Knust]

<http://www.mpi-cbg.de/nc/de/institute/jobs.html>

### Leipzig

Black Swan Pharmaceuticals:

- Head of Biology
- Scientists
- Assistants (Biology and Chemistry)

<http://www.blackswanpharma.com/career.html>

EuroGene GmbH:

- Tutor for Biotechnology, Molecular genetics, Cytogenetic and Medicine (Prevention, Regeneration),
- Self-employed placement officer
- Staff for Cytogenetic

<http://www.euro-gene.de/unternehmen/karriere.html>

VITA 34 AG: - student assistant (m/f) in marketing / PR (Knowledge in Marketing, PR or journalism preferred)

- Abstractor (m/f) in gynecologic field

<http://www.vita34.de/vita/de/jobs.php?navanchor=2110019>

### Radeberg

ABX: - Chemical lab assistant (m/f) for QC

- Employee (m/f) for review/documentation QC

<http://www.abx.de/job.html>

## SCIENCE &amp; EDUCATION

**Extremities copy themselves from cells with limited development potential**

Dresden scientists open completely new perspectives for the regenerative medicine by their study on the regeneration of extremities of the Axolotl salamander: If extremities regenerate, they won't develop from pluripotent allrounders, but from cells that will be limited with regard to their development capabilities, similar as the mammal.

"It was noted for the first time that the cells in the Axolotl regeneration wonder behave as cells in mammals and do not differ from ours that much", so Elly Tanaka of the DFG Research Center for Regenerative Therapies in Dresden (CRTD).

[http://www.crt-dresden.de/fileadmin/Upload/PM\\_CRTD\\_01.Juli09.pdf](http://www.crt-dresden.de/fileadmin/Upload/PM_CRTD_01.Juli09.pdf)

**Two professors complete the expertise on regenerative medicine at the Dresden DFG Research Center (CRTD)**

The CRTD is getting top-class addition by the appointment of Prof. Dr. med. Martin Bornhäuser for the translational biomedical research in July 2009 and Prof. Dr. Carsten Werner for the field of biofunctional polymer materials a few months ago. The two professors complete the team of the leading heads; three professors have already been at the CRTD since 2007: Prof. Dr. Ezio Bonifacio, on the professorship for preclinical stem cell therapy, researches on diabetes; Prof. Dr. Gerd Kempermann (professorship for regeneration genomics) is busy with adult neurogenesis and Prof. Dr. Elly Tanaka studies animal models of regeneration.

<http://www.crt-dresden.de/index.php?id=19&L=1>

**University of Leipzig: New biomarker of the blood for the cancer of the pancreas found**

The cancer of the pancreas is a very rare, but very severe disease. Diagnosis is difficult, because the cancer would cause no or only slight complaints. This is the reason why the pancreas carcinoma would often only be diagnosed too late. Physicians and scientists of the University Hospital of the University of Leipzig's Medical School (Laboratory Medicine, Surgery) have now identified a new, highly sensible serum marker for the cancer of the pancreas: the platelet factor 4 (PF 4). In cooperation with the MATHEON DFG Research Center, the Free University of Berlin and the University Hospital of Heidelberg, they presented a study on a total of 120 patients and test persons that has now been published in the „Clinical Cancer Research“ Journal.

<http://www.zv.uni-leip->

[zig.de/service/presse/pressemeldungen.html?ifab\\_modus=detail&ifab\\_uid=623a1f8e5520090727172814&ifab\\_id=3457](http://www.zv.uni-leipzig.de/service/presse/pressemeldungen.html?ifab_modus=detail&ifab_uid=623a1f8e5520090727172814&ifab_id=3457)

**New laboratory for the Rossendorf Research Center**

State Minister of the Environment and Agriculture, Mr. Frank Kupfer opened the new positron laboratory at the Dresden-Rossendorf Research Center (FZD) on July 31, 2009. At the same time, the minister handed out the required X-ray protection certificate to the Scientific Director at the FZD, Professor Roland Sauerbrey. "The Dresden-Rossendorf Research Center is the top location for research on energy, health, key technologies and the structure of matter in Saxony and beyond. The Research Center is further developing its position by the new laboratory", emphasized Mr. Kupfer.

<http://www.medienservice.sachsen.de/medien/news/35615>

### **Dr. Eva-Maria Stange wants stronger commitment on the field of medical technology**

"The medical technology is among the booming industries in Germany. It is good for Saxony to commit itself even more to this highly innovative industry. (...) Saxony's universities have excellent offers on the field of medical technology", so Dr. Stange, Saxon State Minister of Science. At this time, four Saxon universities and nine research institutes are committed on the field of medical technology. The Dresden-Rossendorf Research Center is an example, with research projects on materials for medicine and biology, or the Leibniz Institute of Polymer Research in Dresden, with research projects on new materials for the medical technology. At this time, Saxony has 245 students focused the medical technology in Saxony – e.g. at the Leipzig University of Technology, Business Administration and Culture and at the Mittweida University of Applied Sciences.

<http://www.medienservice.sachsen.de/medien/news/35372>

### **EUREKA Initiative shall strengthen innovative SMEs in Europe**

Germany, in the scope of the EUREKA European initiative, wants to strengthen the research and development and support small and medium-size businesses in their implementing their products and services in a well-directed way. The Federal Minister of Research, Dr. Annette Schavan, on July 6, 2009 in Dresden, opened the international conference "Top Innovation by International Cooperation" that is the beginning of the German EUREKA Presidency. "Just in the crisis, by EUREKA, we shall use the chances for more research and innovation in Europe and beyond. Let us care for new knowledge being developed and made exploitable as quickly as possible. Good ideas coming from businesses and research institutes shall be taken to marketability as soon as possible. EUREKA is an excellent instrument for doing so", said Dr. Schavan on the opening.

<http://www.bmbf.de/press/2612.php>

### **Additional 66 million euros from the EU for Saxon research institutes and universities disbursed**

Additional 66 million euros have been invested in the recent weeks in Saxon's research institutes and universities in order to strengthen their infrastructure for research. The Saxon State Minister of Science, Dr. Eva-Maria Stange, informed about this as follows: The money is from EFPE (European Regional Development Fund) means of the Saxon Ministry of Economic Affairs, as well as from equivalent means from the country, for co-financing. The means were additionally available for the science in spring by a redeployment of means.

By this money, above all non-university institutes are being supported more intensively.

<http://www.medienservice.sachsen.de/medien/news/35149>

### **Research team directed by HTWK Leipzig receives funding in the millions for research on the field of life science engineering**

Under the direction of Professor Dr.-Ing. Matthias Sturm, Department of Electric Engineering and Information Technology at the Leipzig University of Technology, Business Administration and Culture (HTWK Leipzig), a team of experts from regional research institutes succeeded in convincing a top jury at the Federal Ministry of Education and Research (BMBF) about their innovative ideas. The acknowledgement is connected with considerable funding that enables the ten-headed team to transfer their ideas from the applied research into products in the two years to come. Engineers and information scientists would closely cooperate with medical scientists on

the funded project called "Interdisciplinary Innovation Laboratory Life Science Engineering" and be supported by economic expert knowledge.

<http://www.htwk-leipzig.de/de/presse/aktuelle-nachrichten/artikel/detail/mit-life-science-engineering-in-die-zweite-phase/>

### **Leipzig University Hospital provides preeclampsia markers for pregnant women worldwide for the first time**

A milestone in early diagnosing one of the most dangerous complications during pregnancy: Scientists of Obstetrics at the Leipzig University Hospital (UKL) and the Institute of Laboratory Medicine, Clinical Chemistry and Molecular Diagnostics succeeded in transferring a marker for preeclampsia (a form of high blood pressure during pregnancy) found in 2003 into the clinical diagnostics and routine. By this, the Leipzig University Hospital is the worldwide first facility providing for the new preeclampsia marker directly for the pregnant women. "From the detection of the protein in 2003 in the USA, until availability for all pregnant women in 2009, this was a busy, but in the end successful way. I am really very proud", Prof. Dr. Holger Stepan, head of Obstetrics at the Leipzig University Hospital, gladly says about this success.

[http://www.uniklinikum-leipzig.de/pressecenter/index.php?modus=detail&pm\\_id=200](http://www.uniklinikum-leipzig.de/pressecenter/index.php?modus=detail&pm_id=200)

### **The first degree holder of the MD/PhD program**

The first degree holder of the MD/PhD program of the Leipzig University successfully defended his doctoral thesis. The MD/PhD program is a special program that has enabled selected students of medicine and biosciences, pharmacy and psychology since 2004 to pass a dual program and acquire both the MD and the PhD by graduation designed in an interdisciplinary way. The successful candidates may carry the MD/PhD title identifying them as internationally acknowledged experts.

[http://www.zv.uni-leipzig.de/?id=674&ifab\\_modus=pmanzeige&ifab\\_id=3458](http://www.zv.uni-leipzig.de/?id=674&ifab_modus=pmanzeige&ifab_id=3458)

### **Prof. Thomas Magin accepts appointment on the second TRM professorship**

Prof. Thomas Magin accepts the appointment onto the W3 professorship for development biology focused on "Endogenous Tissue and Organ Development" at the Leipzig University. The professorship is a joint appointment by the TRM Leipzig and the Faculty of Biosciences, Pharmacy and Psychology. At the TRM Leipzig, Prof. Magin will work on the "Regulatory Molecule and Delivery Systems" (REMOD) research field. He will relocate to Leipzig from the Institute of Physiologic Chemistry of the Bonn University.

[http://www.trm.uni-leipzig.de/html/de/news\\_start.php](http://www.trm.uni-leipzig.de/html/de/news_start.php)

## FUNDING

- **Research on neglected infectious diseases associated with poverty**

The Federal Ministry of Education and Research, in the scope of the Federal Government's "Gesundheitsforschung: Forschung für den Menschen" (Health Research – Research for Mankind), supports the setup and extension of research capacities on diseases associated with poverty.

They are aiming at extending the research capacities on infectious diseases associated with poverty sustainably, in cooperation with partners from especially concerned countries.

Universities, university hospitals, non-university research and development institutes, as well as industrial businesses may submit applications.

The closing date for applications is **September 1, 2009**.

<http://www.bmbf.de/foerderungen/13514.php>

- **Initiation projects in the scope of the German and Chilean Cooperation on Science and Technology**

The BMBF funds the joint work on scientific research and technological development between Germany and Chile. The research projects applied for must be supported by minimum two research teams from the two countries. Furthermore, only those projects will be funded that both in Germany and Chile are deemed having earned this funding.

German research institutes, universities and SMEs may file applications. The closing date for applications is **September 25, 2009**.

<http://www.bmbf.de/foerderungen/13752.php>

- **Directive on the funding of meetings under exclusion of the public on the field of the ethnic, legal and social aspects of the modern life sciences**

In the scope of the ELSA funding focus, the BMBF is planning funding for five to ten-day disciplinary meetings under exclusion of the public on a concrete topic from the broad field of ethnic, legal and social aspects of the modern life sciences. They shall be held in suitable German universities and research institutes. The promotion of the juniors shall be notably strengthened.

Facilities already having interdisciplinary research experience on the field of ethnic, legal and social aspects of the modern life sciences may submit applications. The closing date for applications is **October 29, 2009**.

- **Research on ethnic, legal and social aspects of highly topical issues of the life sciences**

The achievement of the modern life sciences, notably on the fields of biotechnology and biomedicine, show new, forward-looking solutions for important issues of the present society. These advancements may lead to changed handling of life science information and application. However, the advancements of the past and the future would raise issues related to society, law and ethics that have to be included in the solution. This is the reason why the BMBF is planning to farther extend its support for the funding focus "Ethnic, Legal and Social Aspects of the Modern Life Science" (ELSA), for research projects designed in an interdisciplinary way, notably research clusters.

Universities, university hospitals, non-university research institutes, as well as industrial businesses may submit applications.

The closing date for applications is **December 2, 2009**.

<http://www.bmbf.de/foerderungen/13830.php>

### **wissen.schafft.arbeit (knowledge.creates.jobs) 2009 – The technology transfer prize for medium-sized businesses**

In 2009, the Technical University of Chemnitz, together with Postbank AG, for the second time offers the wissen.schafft.arbeit (knowledge.creates.jobs) 20,000-euro prize.

The competition is addressed to scientists and small and medium-sized businesses distinguishing themselves by efficient knowledge and technology transfer from research to practical application. The patronage has been taken on by the Federal Ministry of Economics and Technology. The assessment of the innovative projects on technology transfer will be performed by a jury of international experts. For biotechnology, Mr. Peter Heinrich, speaker of the BIO Germany e.V. board, could be attracted. biosaxony supports the competition. Deadline for submissions is **September 15, 2009**.

<http://www.wissenschafttarbeit.de/>

### **VolkswagenStiftung (VolkswagenFoundation): Scientific juniors on evolution biology**

Since the existence of the “Evolution Biology“ initiative, the VolkswagenStiftung has now funded more than 50 junior research personalities. On the “Advanced Fellowships“ initiative, excellent researchers can be supported for up to five years in future and apply the means for their own jobs and one to two doctoral candidates or student assistants from the foundation.

The next deadline for fellowships is **October 15, 2009**.

<http://www.volkswagenstiftung.de/service/presse.html?datum=20090714>

### **Application phase for Materialeffizienzpreis (Material Efficiency Prize) 2009 running**

The Federal Ministry of Economics and Technology, in 2009, will again award the Deutsche Materialeffizienzpreis 2009 (Material Efficiency Prize). It honors businesses and research institutes that developed innovations increasing the material efficiency.

Small and medium-sized businesses may apply, as well as research institutes. The best five concepts will receive 10,000 euros each. In total, four businesses and one research institute will be awarded funds. Deadline for applications is **October 15, 2009**.

[www.materialeffizienz.de/foerderung/materialeffizienzpreis](http://www.materialeffizienz.de/foerderung/materialeffizienzpreis)

## EVENTS, FAIRS, CONGRESSES

### In Saxony (September 2009)

September 17 to 19, 2009 – Dresden, Germany: Express train of science on the road in Germany - [http://www.bahn.de/p/view/service/familie/science\\_express.shtml](http://www.bahn.de/p/view/service/familie/science_express.shtml)

September 16 – 19, 2009 – Dresden, Germany: 61<sup>st</sup> Meeting of German Association of Urology– [www.dgu-kongress.de/index.php?id=351](http://www.dgu-kongress.de/index.php?id=351)

In Germany and Worldwide (August / September 2009)

August 29 - September 02, 2009 – Magdeburg, Germany: 3rd International Conference on Auditory Cortex – [www.auditory-cortex.de](http://www.auditory-cortex.de)

August 29, 2009 – Amsterdam, Netherlands: EMBO Meeting 2009 – <http://www.the-embo-meeting.org/>

August 30 - September 04, 2009 – Bremen, Germany: 18th International Mass Spectrometry Conference – [www.imsc-bremen-2009.de](http://www.imsc-bremen-2009.de)

September 02 – 05, 2009 – Frankfurt, Germany: 3rd European Conference on Chemistry for Life Sciences: Linking Chemistry with Biological Activity – [www.gdch.de](http://www.gdch.de)

September 05 – 10, 2009 – Seefeld, Germany: FEBS Workshop: Protein Modules and Networks in Health and Disease – [www.proteinmodules.org](http://www.proteinmodules.org)

September 07 – 12, 2009 – Munich, Germany: Medical Physics and Biomedical Engineering - World Congress 2009 – <http://www.wc2009.org/World-Congress-2009/Pages/Home.aspx>

September 08 – 9, 2009 – Mannheim, Germany: 27th Annual Conference of Biotechnologists – <http://events.dechema.de/djb2009.html>

September 09 – 10, 2009 – Erfurt, Germany: narotech 2009 – <http://narotech.messe-erfurt.de/de/>

September 09 – 12, 2009 – Göttingen, Germany: Horizons in Molecular Biology: 6th International PhD Student Symposium and Career Fair – [www.horizons.uni-goettingen.de](http://www.horizons.uni-goettingen.de)

September 09 – 13, 2009 – Heidelberg, Germany: EMBO Conference on Protein Synthesis and Translational Control – [www.embl.de](http://www.embl.de)

September 11 – 13, 2009 – Martinsried, Germany: 11th Young Scientist Meeting of the German Society for Cell Biology: Cell Migration – [www.zellbiologie.de](http://www.zellbiologie.de)

September 13 – 16, 2009 – Barcelona, Spain: Symbiosis – 14th European Congress on Biotechnology – [www.ecb14.eu](http://www.ecb14.eu)

September 13 – 19, 2009 – Berlin, Germany: 2nd European Congress of Immunology – [www.eci-berlin2009.com](http://www.eci-berlin2009.com)

September 16 – 18, 2009 – San Francisco, USA: BIO Pharm America 2009 – <http://www.ebdgroup.com/bpa/>

September 16 – 19, 2009 – Cologne, Germany: 40th Annual Conference of the German Genetics Society – <http://www.genetics2009.de/>

September 17 – 18, 2009 – Berlin, Germany: 6th RNAi Europe, Advances in qPCR, Epigenetics World

Congress, Peptides Europe – [www.selectbiosciences.com](http://www.selectbiosciences.com)

September 20, 2009 – Konstanz, Germany: [2nd German-French DNA Repair Meeting](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html) – [www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html)

September 23, 2009 – Lille, France: EuroBIO 2009 – [www.eurobio-event.com](http://www.eurobio-event.com)

September 24 – 25, 2009 – Hamburg, Germany: 1st International Symposium on Structural Systems Biology – [www.conventus.de/projekte-kongresse](http://www.conventus.de/projekte-kongresse)

September 28, 2009 – Halle (Saale), Germany: [German Conference on Bioinformatics 2009](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html) – [www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html)!

September 28 – 30, 2009 – Bled, Slovenia: EuroNanoMedicine 2009 – <http://events.dechema.de/euronanomedicine2009.html>

Preview (October to December 2009)

October 02 – 04, 2009 – Halle, Germany: Computer models in science – between analysis, forecast and suggestion – [www.leopoldina-halle.de](http://www.leopoldina-halle.de)

October 02 – 06, 2009 – Heidelberg, Germany: EMBO Conference on Morphogenesis and Dynamics of Multicellular Systems –

[http://www.embl.de/training/courses\\_conferences/conferences/index.php?p\\_conferenceld=118](http://www.embl.de/training/courses_conferences/conferences/index.php?p_conferenceld=118)

October 04 – 09, 2009 – Bad Schandau, Germany: 1st Autumn School "Current Concepts in Immunology" – [www.immunologie.de](http://www.immunologie.de)

October 06, 2009 – Hannover, Germany: BioPolitics –

[http://biosaxony.com/downloads/Veranstaltungen/Biotechnica\\_Partnering.pdf](http://biosaxony.com/downloads/Veranstaltungen/Biotechnica_Partnering.pdf)

October 06 – 08, 2009 – Hannover, Germany: 1st Bio@venture Conference 2009 –

[www.bioatventure.de](http://www.bioatventure.de)

October 08, 2009 – Leipzig, Germany: 5th forum of health care industry – [www.med-in-leipzig.de](http://www.med-in-leipzig.de)

October 08 – 11, 2009 – Hannover, Germany: International Bone-Tissue-Engineering Congress,

bone-tec – <http://www.bone-tec.com/>

October 18 – 21, 2009 – Ascona, Switzerland: EMBO Conference Series: Autophagy - Cell Biology, Physiology and Pathology – [www.embo.org](http://www.embo.org)

October 20, 2009 – Lisbon, Spain: [European Forum for Industrial Biotechnology 2009](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html) –

[www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html](http://www.biotechnologie.de/BIO/Navigation/DE/Service/termine.html)?

October 26 – 28, 2009 – Dresden, Germany: International NBM Conference – [www.kooperation-](http://www.kooperation-interna-)

[tional.de/countries/biowissenschaften/info/detail/data/41869/backpid/18/?PHPSESSID=c33269fafb89cb7622d0c5cb8c6a7](http://www.kooperation-international.de/countries/biowissenschaften/info/detail/data/41869/backpid/18/?PHPSESSID=c33269fafb89cb7622d0c5cb8c6a7)

October 27, 2009 – Konstanz, Germany: Mind from brain or brain from mind? Does the structure cause the function or the function the structure der CNS?– [www.leopoldina-halle.de](http://www.leopoldina-halle.de)

October 29, 2009 – Leipzig, Germany: 4. Fraunhofer Life Science Symposium –

[www.biocityleipzig.de/news-de/rapid-prototyping-in-der-regenerativen-medizin-zum-4.-fraunhofer-life-science-symposium](http://www.biocityleipzig.de/news-de/rapid-prototyping-in-der-regenerativen-medizin-zum-4.-fraunhofer-life-science-symposium)

October 29 – 30, 2009 – Leipzig, Germany: HHL Healthcare Challenge –

<http://www.hhl.de/en/discover-hhl/news/article/detail////hhl-sponsors-business-plan-competition-during-world-conference/>

October 29 – 31, 2009 – Heidelberg, Germany: 11th International EMBL PhD Student Symposium:

Puzzles in Biology - Putting the Pieces Together – [www.embl.de](http://www.embl.de)

October 29 – 31, 2009 – Leipzig, Germany: World Conference on Regenerative Medicine 2009 – [www.wcrm-leipzig.com](http://www.wcrm-leipzig.com)

October 30, 2009 – Leipzig, Germany: Forum Bioinformatics 2009 – <http://www.forum-bioinformatics.com/>

November 02 – 04, 2009 – Vienna, Austria: BIO-Europe – [www.ebdgroup.com/bioeurope/index.htm](http://www.ebdgroup.com/bioeurope/index.htm)

November 16, 2009 – Montreux, Switzerland: NanoBioTec Montreux – [www.nanotech-montreux.com](http://www.nanotech-montreux.com)

November 17, 2009 – Munich, Germany: T5 Carrier Fair of Healthcare branche – [www.t5-futures.de/jobmessen/jobmesse-20091117-mnchen.html](http://www.t5-futures.de/jobmessen/jobmesse-20091117-mnchen.html)

November 18 – 20, 2009 – Dusseldorf, Germany: MEDICA: international fair on medicine – [www.medica.de](http://www.medica.de)

November 19 – 21, 2009 – Dusseldorf, Germany: Healthcare Brokerage Event at MEDICA – <http://www.brokerage-events.eu/Medica2009/>

November 21, 2009 – Berlin, Germany: Day of Biologists 2009: In foot steps from Darwin - modern evolution biology – [www.biologentag.de](http://www.biologentag.de)

November 24 – 27, 2009 – Berlin, Germany: BioProScale Symposium: Inhomogeneity in Large-Scale Bioreactors – [www.ifgb.de/bioproscscale](http://www.ifgb.de/bioproscscale)

November 25, 2009 – Milan, Italy: Biotech 09 – [http://www.biotechexpo.eu/en/index\\_rbs.asp](http://www.biotechexpo.eu/en/index_rbs.asp)

November 25 – 27, 2009 – Stockholm, Sweden: Biotech Forum + Scanlab 2009 – [www.biotechforum.org](http://www.biotechforum.org)

November 30 - December 02, 2009 – Geneva, Switzerland: 5th Annual European Antibody Congress – [www.terrapinn.com/2009/antibodyeu](http://www.terrapinn.com/2009/antibodyeu)

December 10, 2009 – Leipzig, Germany: XVI. Lipid Meeting – <http://www.lipidmeeting.de/>

Further event notes at <http://biosaxony.com/en/events/overview>

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