

biosaxony Newsletter November 2008

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Israel – Exciting partner for the extension of biotechnology

Dr. A Domin, CEO of BIO-NET Technologietransfergesellschaft mbH and biosaxony partner, stayed in Israel in the end of October, as a participant of a delegation of 50, led by the Leipzig mayor, Mr. Burkhard Jung. As were the representatives of the municipality, the representatives from economy, politics, culture, science and religion were interested in the extension of relations to the economic and scientific centers of Herzliya, Jerusalem and Tel Aviv.

Before the background of the current news coverage, the actual “daily living“ at all places visited seemed to be surprisingly normal: At no time was there any feeling of insecurity or threat. Armed sentries were only present by special buildings or when passing the border to the Palestinian autonomous region.

The talks with CEOs, patent attorneys and scientists were held in a relaxed, friendly and thematically focused atmosphere. In view of population approximately 7 million, a country only 13 % bigger than Saxony, but with a GDP about double, the state of development of the Israel biotechnology was of special interest. The very high share of scientists in the population is beneficial for the young industry. About 40% of the researchers are focused on life science. Ranking 12th in the international patent ranking and 51 million euros of sales are clear evidence that science *and* market orientation are harmonizing, e.g. at Hebrew University, Jerusalem. The university hospital over there offers medical research services and product development, in addition to health care. The incubator Rad BioMed in Tel Aviv attends to promising ideas in a noteworthy way: Founders would be financed, would use offices and joint laboratories and would be coached intensively over a 3 – 5 year period, in the sense of a business development. The active support to founders during the start-up phase would be performed by an “external“ and financially involved professional. This way, the typical problems of young enterprises would be solved efficiently, commitment paid in case of success and integrated in the cycle of commercialization.

Israel itself is not deemed an internationally significant biotech and medical market. But there is a series of very concrete connecting factors for cooperation with approximately 160 biotechs (medical and industrial) among which about 1/3 are profitable, as well as with numerous excellent researchers. It is worth taking advantage of the relatively short trip, compared with the USA and Japan, in order to extent contacts and implement concrete cooperation.

Dr. André Domin, Bio-Net Leipzig and biosaxony

CONCERNING OURSELVES

Biotech Meets Public: “Vaccinating: Preventively and therapeutically – What is possible against influenza, HIV and cancer?”

390,000 chicken eggs are now needed for the production of influenza vaccine at Glaxo-SmithKline Biologicals in Dresden – on every single day. The SAP co-founder, Mr. Dietmar Hopp, does not only bet on soccer in his home region, but also on the therapeutic application of mRNA as a cancer “vaccine“. And the process of inoculating must, which is about 4,000 years old, would certainly not require any critical approval process from the Paul Ehrlich Institute. The “Vaccinating“ topic is the bridge between four of the speeches at “Biotech Meets Public“. Euphoria and setbacks mark the 200-year development of vaccines. Still, two million people would die from infectious diseases in every single year, diseases that could have been prevented by vaccination. Vaccinations against cancer or AIDS are a long time coming. What is the reason and what can we expect?

biosaxony was able to engage Dr. Schu of GlaxoSmithKline Biologicals, Dr. Hoerr of CureVac GmbH, Tübingen and Prof Dr. Sutter of Paul Ehrlich Institute/BMG, Langen, for speaking.

Biotech Meets Public will be held on **November 12, 2008 from 05:00 pm, at Weingut Schloss Wackerbarth, Radebeul.**

Detailed program and registration at: www.biotech-meets-public.de

ECONOMY

elbion GmbH: German-Finnish merger

The pharmaceutical research company elbion GmbH from Radebeul will presumably merge with the Finnish Biotie Therapies, Turku, Finland in November 2008. The merger will be financed by the exchange of shares in the companies.

“By merging the products and the sophisticated knowledge of both companies in the pharmaceutical development, a leading European company on the market of pharmaceuticals against diseases of the central nervous system and inflammations will come into existence,” said Juha Jouhki, chairman of the Biotie board of directors. Biotie has focused on the development of new active agents against addiction, inflammation and thrombosis. In connection with the takeover, the elbion NV shareholders Burrill & Company, TVM Capital and AGF Private Equity will invest into Biotie via their funds. Upon conclusion of the entire transaction, Biotie will have about 27 million euros of liquid means at its disposal.

www.elbion.de/news.html

Labor Diagnostik Leipzig GmbH: Admission in Switzerland received

Labor Diagnostik Leipzig GmbH, for their test system “VIROTYPE® BVDV real-time RT-PCR“, has got the official approval in Switzerland. The test system detects RNA from the bovine viral diarrhoea in whole blood, serum and tissue samples from cattle of any age.

http://de.lab-leipzig.de/index.php?option=com_content&task=view&id=203&Itemid=91

Vita 34 AG: Compulsory health insurance to support storage of umbilical cord blood

The Leipzig Vita 34 AG signed a cooperation agreement with BKK DER PARTNER compulsory health insurance. By this, 20 compulsory health insurance companies now support the storage of umbilical cord blood. Expressed in imaginable numbers, approximately 2.2 million insured individuals in Germany can now make use of the offer to store umbilical cord blood.

www.vita34.de/vita/de/presse/pressemitteilung.php?f=2008-10-21

AWD.pharma signs additional agreements on discounts

AWD.pharma GmbH & Co. KG concluded an agreement on discounts with GWQ Service Plus AG. GWQ, as an enterprise for efficiency and quality of health insurance companies, signed this agreement on behalf of 18 company health insurance funds with about 4 million persons insured. The contract between the Radebeul pharmaceutical company and GWQ comprises the majority pharmaceutical products available on prescription.

www.awd-pharma.com/de/inhalt/aktuelles/presse/artikel/4_000014_meldung.shtml?navid=17

Entrepreneur of the Year 2009 wanted

Sächsische Zeitung (SZ, newspaper) again searches the “Entrepreneur of the Year 2009“. Saxon companies with workforce minimum ten and annual sales of minimum 500,000 euros are eligible to file an application. The company must have existed for five years. The winner will get a bronze statue “The Dreamer“ made by the artist Malgorzata Chodakowaska and will be presented in an article in the SZ. Applications to be submitted on or before **February 5, 2009**.

www.sz-unternehmerpreis.de

2nd Federal State Competition “SAXplus - Pro Family Top Company“ started

Saxony is looking for the family-friendliest company – with regard to HR policy, and small and medium sized businesses domiciled in Saxony may submit applications. In total, prizes with a value of 90,000 euros will be awarded in three categories: Enterprises up to 50 employees, 51 – 250, as well as 250 – 499 employees. In the last year, for example, the biotechnological company Cenix BioScience GmbH from Dresden ranked second in the category up to 50 employees.

Applications may be submitted on or before **January 12, 2009** either by the board or by the employees.

www.saxplus.sachsen.de

GlaxoSmithKline to grant scholarship to young scientists for Parkinson research

In 2009, too, GlaxoSmithKline (GSK) will again grant a scholarship to young scientists dealing with clinical and preclinical projects on the field of the Parkinson research. Those young scientists shall be funded above all who are aiming at an expertise or studies at a different institution in order to complete their research work. The projects must be attended to by a hospital or institute in Germany. The scholarship will be granted at the Congress of the Deutsche Parkinson Gesellschaft (DPG) in March, in Marburg. The scholarship is endowed with a total of 15,000 euros.

With immediate effect, applications may be submitted to the chairman of the scientific advisory council: Prof. Dr. Heinz Reichmann, Neurologische Universitätsklinik Dresden, Fetscherstr. 74, 01307 Dresden, Email: heinz.reichmann@uniklinikum-dresden.de. You may request the detailed prerequisites for the scholarship from there, or go to www.glaxosmithkline.de.

Recruitment – current job offers

APOGEPHA Arzneimittel GmbH wants to extend its team and is offering the following positions:

- Head of Technology
- Head of Production and Logistics
- Scientific assistant

www.apogepha.de/de/unternehmen/stellenangebote.php?

The Leipzig company EuroGene GmbH also searches for new colleagues:

- Lecturer for Adjustment Qualification
- Representative of Quality Management
- Employee for Cytogenetics

www.euro-gene.de/unternehmen/karriere.html

In Radeberg, ABX advanced biochemical compounds is offering the following jobs:

- Chemical Laboratory Worker for Quality Control
- Chemist for Research and Development

www.abx.de/job.html

SCIENCE & EDUCATION

IFW: Nanothermometer for non-contacting thermometry

Scientists of the Leibniz Institute for Solid State and Materials Research IFW Dresden, in the scope of the European CABRIO research project, have developed a novel nanothermometer for contact-free temperature measurement on cancer tumors. Carbon nanotubes (CNTs) filled with copper iodide are used for the thermometer. These carbon nanotubes can be filled in a multifunctional way. By the contact-free temperature measurement from outside, surgery can be avoided with hyperthermic cancer management.

www.ifw-dresden.de/publications/press/press-releases/neues-nanothermometer-zur-kontaktlosen-temperaturmessung-an-krebstumoren

Leipzig University: Key for single-cell tomography found

Researchers of the Leipzig University and their colleagues from Jena and Cambridge succeeded in developing a novel microscopic method. It is possible there to turn biologic cells under a microscope, to make pictures and to calculate a three-dimensional model from them. The resolution created so is approximately 2.5 times higher than with the traditional confocal and deconvolution microscopy. "The new method may be the key for the single-cell tomography that has been tested for a long time already, but still being impracticable", says Mr. Moritz Kreysing of the research team around Prof. Josef Käs. In addition, the cells would no longer be strained that much, but exposed to minimal temperature increases only. This will develop interesting fields of application, such as explorations in stem cell research.

http://db.uni-leipzig.de/aktuell/index.php?modus=pmanzeige&pm_id=3144

Technical University of Chemnitz: Novel hearing aid generator designed

Prof. Olfa Kanoun of the Institute of Measurement and Sensor Technology at the Technical University of Chemnitz developed a hearing aid generator working on the basis of the already acknowledged principle of "energy harvesting". This means that the energy is taken from the environment (light, temperature) or movement (e.g. chewing, running, speaking). By the application of the principle on hearing aids, the consumption of accumulators could be significantly reduced.

Freie Presse Oct 15, 2008 and www.tu-chemnitz.de/etit/messtech

Technical University of Dresden and BIOTEC coordinate EU project

Andreas Berger of the Biotec Center of the Technical University of Dresden and the European Project Center of the Technical University of Dresden are jointly coordinating the new EU project "PhenOxiGEn". It deals with the influence of genetic mutations on oxidative stress responses of human cells. This includes the processing of data packs by means of a computer-supported simulation method and linking with current knowledge. In addition, Mr. Jürg Bähler of London University, Mr. Christopher

Workmann of the Denmark Technical University in Lyngby, as well as Mr. Ruedi Aebersold of ETH Zurich are involved in the three-year project.

www.biotec.tu-dresden.de/press/news.html

www.bionity.com/news/d/88217

FEDERAL DEPARTMENT OF EDUCATION AND RESEARCH: Winners of the Medical Technology Innovation Competition

The winners of the 10th Innovation Competition for the Promotion of Medical Technology were announced by the Federal Ministry of Education and Research (BMBF). The Medical Faculty of the Technical University of Dresden was among the 14 winners. It developed a measuring system warning the surgeon of too loud noises during skull surgery. On skull surgery, enormous noise levels are generated by drilling and milling that can cause damage to the hearing.

http://www.bmbf.de/media/press/pm_20081023-182.pdf

http://www.bmbf.de/media/press/Gewinner_Medizintechnik.pdf

Institutional partnership between Leipzig and Thailand

The Institute of Biochemistry of the Leipzig University and the universities of Chulalongkorn and Thammasat (Thailand) have been partners since October 2008. The exchange on the specialties of microbiology, bioprocess technology and biochemistry among postgraduates and scientists is in the focus of the institutional partnership. The partnership is a part of the alumni program of Alexander von Humboldt Foundation and will be founded until 2011.

http://db.uni-leipzig.de/aktuell/index.php?modus=pmanzeige&pm_id=3041

Career grant of neurosciences to employees of Technical University of Dresden

The career grant for neuroscientific work 2008 was given to Dr. Jan Mehrholz of the Carl Carus Medical Faculty of the Technical University of Dresden. He received the prize endowed with 5,000 Euros for his paper: "Walking Capability, Daily Living Skills and Life Quality of Patients following a Stroke: Long-Term Results of a Randomized and Controlled Study". The prize is granted biannually by the Support Association for the Neurologisches Rehabilitationszentrum Jugendwerk Gailingen e.V. (Neurological Rehabilitation Center).

http://tu-dresden.de/die_tu_dresden/fakultaeten/medizinische_fakultaet/news/news-20081001-foerderpreisneuro/newsarticle_view

Center for Regenerative Therapies Dresden: Book on stem cell research published

Prof. Gerd Kempermann, medical scientist and stem cell researcher at the DFG Research Center for Regenerative Therapies Dresden (CRTD) published his latest knowledge on the field of stem cell research. Bearing the title "Neue Zellen braucht

der Mensch - Die Stammzellenforschung und die Revolution der Medizin“, the publication has been available on the market since October.
www.crt-dresden.de/index.php?id=19&L=1

FUNDING

Deadline for Phase I at futureSAX: December 9, 2008

The Countdown is running: On December 9, 2008, will be the deadline for Phase I of the futureSAX 2009 Saxon Business Plan Competition. Until then, business startups and young entrepreneurs on the growth markets may submit their business ideas. Those who want to participate in the competition should summarize their business idea, its customer benefit, as well as a short analysis of the market on maximum 7 pages.

Advantages: All projects submitted will be adjudged by an experienced jury. They will give the participants a detailed feedback, as well as professional advice for the implementation of their business ideas. In the scope of the founder assessment, the futureSAX team is gladly ready to escort those interested with advice and promotion. The best business ideas will be awarded with prizes on the award on January 20, 2009 in Chemnitz. Prizes of 8,000 euros in total are waiting in the categories of technology, information and communication technology, bio/nanotechnology and service.

Refer to the checklist for Phase I of future-SAX 2009 for detailed information on the submission, at

[futuresax.de; http://www.futuresax.de/Downloads/tabid/55/CId/31/SI/0/Default.aspx](http://www.futuresax.de/Downloads/tabid/55/CId/31/SI/0/Default.aspx)

FEDERAL MINISTRY OF EDUCATION AND RESEARCH: Funding of transnational research projects focused on systems biology

In conjunction with the “Biotechnology – Use and Design Chances” program, the Federal Ministry of Education and Research supports transnational research projects within ERA-NET ERASysBIO, by a further funding directive. Transnational joint projects will be funded that for example deal with systems biological research on cell level, tissue and organ level, cooperation projects between research teams of FORSYS systems biology and European centers of systems biology, as well as cooperation with industrial partners in medical systems biology.

Sketched ideas may be submitted by universities, extrauniversity research institutes and businesses. Research institutes with basic funding by Germany and the Federal States may apply under certain conditions. The deadlines for submission and more detailed information with regard to the procedure can be referred to at <http://www.erasysbio.net>.

www.bmbf.de/foerderungen/13065.php

FEDERAL DEPARTMENT OF EDUCATION AND RESEARCH: Tracing the effects of nanomaterials

The issue of the effects of synthetic nanomaterials on man is supported by the Federal Ministry of Education and Research (BMBF) with a new funding directive for the framework program „Materials Innovation for Industry and Society – WING“. Above all joint industrial projects between businesses and universities or research institutes respectively are invited to submit applications. The funding relates to, for

example, the coherences between materials properties and toxicological effects on humans, development of measuring strategies and test systems, and identification of mechanisms etc. Sketched projects related to this may be submitted by industrial businesses, universities, universities of applied sciences and extrauniversity research institutes. Applications on or before **February 26, 2009**.

www.bmbf.de/foerderungen/13084.php

Applications for the Paul Martini Prize 2009 to be submitted (pharmacologists)

At this time, pharmacologists may apply for the “Paul Martini Prize International“. Studies on the field of clinical pharmacology will be awarded with a prize. This includes also the development of scientific methods for the evaluation of clinico-pharmaceutical and therapeutic measures. The study to be submitted should be completed and already published. The prize is funded with 25,000 euros. Applications may be submitted on or before **December 30, 2008**.

www.paul-martini-stiftung.de/cgi-bin/printcontent.pl?lang=de

New Internet portal: Information at a glance

The new KISSWIN Internet portal: Communication and Information System “Scientists of Tomorrow“ offers information around career and funding opportunities in Germany to young scientists. The portal in the German and English languages also comprises a consulting service that explains the various funding ways in detail to those interested domestically and abroad.

www.kisswin.de

EVENTS, FAIRS, CONGRESSES

In Saxony (November/ December 2008)

November 12, 2008 – Dresden: Biotech Meets Public, an event from biosaxony – We invite you to the vineyard Schloss Wackerbarth. The topic of this biosaxony event is: “Vaccinate – preventive and therapeutic – what is possible on influenza, HIV and cancer?”

Details and registration on www.biotech-meets-public.de

November 12, 2008 – Dresden: presentation “infectious diseases under the sign of climate change” - – www.dhmd.de/neu/index.php?id=29&spscoutnetcalendar_date=-1,11,2008&no_cache=1

November 20 - 21, 2008 – Chemnitz: symposium "Does knowledge create employment?"

www.wissenschaftarbeit.de

November 26, 2008 – Dresden: presentation “Allergic coryza at Christmas? What does climate change mean for allergic persons?”

www.dhmd.de/neu/index.php?id=29&spscoutnetcalendar_date=-1,11,2008&no_cache=1

December 1 – 3, 2008 – Dresden: 2nd Symposium of medical engineering of Dresden www.fms-dresden.de/2_+Dresdner+Medizintechnik+Symposium-p-57750.html

In Germany and Worldwide (November/ December 2008)

November 12, 2008, Halle, Germany: – Science Meets Companies – Contact fair for alumni of life sciences – www.sfi-halle.de/messe08/?page=start

November 13 – 14, 2008, Brussels, Belgium: Event “Research on HIV/ AIDS, malaria and tuberculosis – challenges for the future” - <http://poverty-related-diseases.teamwork.fr/index.php?page=intro&destination=&type=&la=de>

November 14, 2008 – Hamburg, Germany: Hanseatic India Colloquium: Healthcare, Biotechnology and Pharmaceutical Science – www.elgabiotech.com/htmls/news.html

November 16 – 17, 2008 – Potsdam/ Berlin, Germany: German Day of Business Angels 2008 – Registration for presentations and participation for investor searching companies still possible

November 17 – 19, 2008 – Mannheim, Germany: BioEurope 2008 – European biggest partnering conference for biotechnology www.ebdgroup.com/bioeurope

November 19 – 22, 2008 – Düsseldorf, Germany: MEDICA 40th – world - forum of medicine – www.medica.de

November 23 – 27, 2008 – Antwerp, Belgium: 4th European Congress of the International Federation for Medical and Biological Engineering – www.embec2008.be

November 24 – 25, 2008 – Barcelona, Spain: EuroPLX (European Pharma License Exchange), international platform for pharmaceutical and biopharmaceutical companies – www.europlx.com/eplx/set.htm

November 27, 2008 – Berlin, Germany: IPal Partnering – pharmaceutical, biotechnology and medical engineering (lectures in the fields of pharmaceutical, biotechnology and medical engineering) www.ipal-partnering.de

December 4, 2008 – Leipzig, Germany: 5th entrepreneur day of Middle Germany www.convent2.de/convent

December 8 – 10, 2008 – Geneva, Switzerland: IGPA conference, international Generic Pharmaceutical Alliance – www.gpaconferences.com/igpa08.htm

December 9 – 10, 2008 – Frankfurt a.M., Germany: technology forum diagnostic & biomedical devices <http://events.dechema.de/techforum08.html>

December 10 – 11, 2008 – Bremen, Germany: „Waste to energy“- International Congress and Conference for Energy from Waste and Biomass – www.wte-expo.de

Outlook (January until June 2009)

January 21, 2009 – Munich, Germany: ScieCon Munich 2009, company contact fair - www.sciecon.info

January 22 – 24, 2009 – Leipzig, Germany: ANIM 2009 – seminar for neurological intensive care and emergency medicine www.akmcongress.com/anim2009

February 2 – 3, 2009 – Lisbon, Portugal: EuroPLX 39, platform of international exchange in the fields of pharmaceutical – and biopharmaceutical-companies www.europplx.com

February 8 – 11, 2009 – Zurich, Switzerland: LogP2009 - PhysChem and ADMET Profiling in Drug Research – www.pharma.ethz.ch/logp2009/

February 18 – 20, 2009 – Tokyo, Japan: nano tech - International Nanotechnology Exhibition & Conference – www.ics-inc.co.jp/nanotech

February 19 – 20, 2009 – Erfurt, Germany: 5th international technology transfer days "Biomaterial 2009" – www.biomaterial2009.de

March 2 – 3, 2009 – Lisbon, Portugal: EuroPLX39 – cooperation with generics, bio – generics, OTC – pharmaceuticals, dietary supplements; international platform for pharmaceutical and biopharmaceutical companies www.europplx.com/eplx/set.htm

March 4 – 6, 2009 – Berlin, Germany: NanoMed 2009, 6th International Conference on Biomedical Applications of Nanotechnology – <http://nm09.nanoevents.de>

March 11 – 13, 2009 – Weimar, Germany: 42nd annual meeting of german catalytics – www.processnet.org/katalytiker09

March 13 – 15, 2009 – Dresden, Germany: active + vital 2009, the health & wellness exhibition www.messe-dresden.de/deutsch/termine/messen---veranstaltungen/2009/aktiv---vital-2009/index.html

March 18 – 19, 2009 – Munich, Germany: Forum Life Science 2009; congress – www.bayern-innovativ.de/fls2009

March 29 - April 2, 2009 – Berlin, Germany: Proteomics Forum 2009 – www.ctw-congress.de/proteomicforum2009

April 22 – 25, 2009 – Leipzig, Germany: 47th annual conference of the German Society for Nuclear Medicine www.nuklearmedizin2009.de

May 9 – 12, 2009 – Leipzig, Germany: German anaesthesia congress 2009 (DAC) – www.dac2009.de

May 11 – 15, 2009 – Frankfurt a.M., Germany: ACHEMA 2009 – 29th international exhibition congress for chemistry, techniques, environment protection and biotechnology - www.achema.de

May 18 – 21, 2009 – Atlanta, USA: BIO2009 “Heal, Fuel, Feed the World” – www.bio2009.org

May 20 – 23, 2009 – Leipzig, Germany: 44th annual conference of the German Society for Diabetes (DDG) www.deutsche-diabetes-gesellschaft.de/jahrestagung2009

May 26 – 27, 2009 – Dresden, Germany: Nanofair - 7th international nanotechnology symposium - www.vdi-wissensforum.de/index.php?id=769

June 15 – 16, 2009 – Stockholm, Sweden - 12th Annual Conference of the European BioSafety Association – www.ebsaweb.eu/EBSA_12