

eLIFE – news on life at LIFE

Thursday 4 June 2009

Email to the editors: elife@life.ku.dk

Final deadline for editorial changes is Wednesday before publication of eLIFE on Thursday.

Editorial changes may occur in relation to the online newsletter.

As regards links in the newsletter, please refer to the Danish online version at the faculty's website http://www.life.ku.dk/Maalgruppe/medarbejdere/life_internt/nyhedsbrev.aspx

Gudrun Lau Bjerno, Editor, LIFE Communications, glb@life.ku.dk

Life at LIFE

Open house in Taastrup - see the large animal hospital and experimental farms

Take this unique opportunity to experience LIFE in Taastrup:

On Sunday, 14 June from 11 am until 3 pm, the University Hospital for Large Animals will be open to the public with activities for people of all ages. Veterinary surgeons, animal technicians and students of veterinary medicine will be on hand to give you and your family an exciting experience. A year has passed since the University Hospital moved from its old buildings in Frederiksberg to the new facilities in Taastrup, and now everyone has the chance to see the exciting architecture of the building and experience what goes on inside.

The experimental farms Højbakkegård and Rørrendegård will also be open to the public during the same period, so why not make a day of it in Taastrup.

Here is a selection of the activities that will be offered:

In the horse section:

Get a rare glimpse of the operating theatre. See how a horse is anaesthetised and operated on in a modern

hospital.

Find out why horse teeth need to be rasped and whether it hurts the horse.

See what veterinary surgeons use a horse treadmill for.

Learn how many children can fit on a Carlsberg horse.

In the teaching section:

Meet the tough mares

'Gæt en lort' (Guess a poop)

When cows eat nails

In the smithy:

The forge will be fired up and active.

Watch the smithy work and see the many different types of horseshoes.

Højbakkegård:

- Demonstration of farming and experimental machines. Take them for a spin at 1 pm.
- The teaching field new and old crops
- Learn about plant diseases, pests and weeds with the help of magnifying glasses, microscopes and experts

The greenhouse:

- Taste watermelon and hear about genetic resources from Africa
- See wild barley varieties characteristics for use in the barley of the future
- Greenhouse Concept 2017 an energy producing greenhouse?

Field experiments:

- How can grain compete with the weeds in the field?
- Bless you, bless you bonnie bee pollination of cherry trees by bees produces more fruit
- Quinoa a new crop in Denmark. Do you like the taste?
- Meet Hako the GPS-controlled, driverless seed sower and weeding robot

The Experimental Animal Unit at Rørrendegård

- The cow with a hole in its stomach from grass to gas. See the microorganisms!
- Mini-pigs for your health and naked pigs weighing in at 300 kg

- Silver foxes in aviaries studies of French Heartworm
- Clicker training of hens hens that do tricks
- You know the type what type of animal ethicist are you?
- From waste to fur minks take out the trash!

Plenty of opportunities for enjoying a picnic in the surrounding countryside. **Gudrun Lau Bjerno**, <u>alb@life.ku.dk</u> – latest update 3 June 2009

From clayey ploughed field to unique gem

At the old Veterinary School in Christianshavn, there was some teaching of botany, but otherwise the focus was almost entirely on veterinary medicine. But when the school moved out to Frederiksberg, the new Royal Veterinary and Agricultural University was also expected to teach farmers, chartered surveyors, horticulturalists and foresters.

So, of course, the school's buildings had to be surrounded by gardens, and with the school's first director, Titular Councillor of State Carl Emil Fenger as chairman, a committee was appointed to draw up a proposal for the planning and use of the gardens. The gardens were expected to meet three main objectives, which they still do today: to produce plant material for use in the teaching of botany and plant culture, to beautify the grounds of the school and to serve as a public park.

The Gardens were designed by the horticultural society's gardener, Julius August Bentzien, who worked as landscape architect, and Wagenblast, with the odd given name of Sørensen Christensen Johansen, was employed as permanent garden hand. He had answered the following advertisement in the gardening magazine Dansk Haugetidende of April 1857: "The new Gardens of the Royal Veterinary and Agricultural University are seeking a young gardener for the position of resident gardener; the monthly remuneration will amount to 50 rix-dollars. Prospective applicants are kindly invited to submit a written application to the Director of the Royal Veterinary and Agricultural University, Professor Fenger, by 1 May at the latest."

According to a working journal for the Royal Veterinary and Agricultural University's Gardens, kept by Wagenblast, we can see that the hedges and paths were staked out and the lawns sown when the main building was inaugurated in 1858, and that the planting work was well-underway.

Associate Professor Johan Lange, assisted by botanical gardener August Weilbach and Titular Councillor of State Rudolph Rothe, were responsible for the distribution of the plants on the grounds based on a botanical-systematic division by plant families. The majority of the plant material was obtained from the Hesede and Hørsholm nurseries, but also from other Danish nurseries as well as German, Dutch and French nurseries.

Because conditions at the time often made it difficult to obtain plant material, two to three trees of the same species were, as a rule, planted next to each other, and the least vital ones were subsequently removed. However, they forgot to do so with the double silver linden trees near the Gardens' north-westerly entrance and with the giant, four-trunked zelkova tree facing Bülowsvej.

The scenic grounds with their curving paths are, today, a perfect example of former landscaping trends, and the central area with the little pond in the middle remains practically unaltered today. Naturally, the Gardens

have undergone certain changes over the years, especially as a result of the school's structural expansions, such as the building of the main building's new facade facing Bülowsvej in 1898, and when Thorvaldsensvej was led through the Gardens in 1933. The creation of the forecourt with the fountain and the parking spaces in front of the main building facing Bülowsvej also reduced the size of the Gardens, although the project did give the school a much-needed visitor-friendly main entrance.

A real boost for the school was when the area north of Rolighedsvej was bought back from Københavns Sygehjem in 1922, and the Botanical System could be moved over there. This meant that the space along Grønnegårdsvej could be put to other uses, with a shadbush and dogwood collection in the northern section and a lovely rose garden in the southern section.

The primitive, unheated little sheds with old-fashioned privies for the Gardens' staff were replaced in 1919 by the gardener's lodge, located near the collection of summer plants, and even today it is considered one of the Faculty's most beautiful buildings.

The gardener's lodge used to have a very spacious service tenancy for the head gardener on the ground floor as well as housing the garden office. Today, most of the ground floor has now been converted into office space for Veterinary Pathobiology. On the top floor, there were originally seven little rooms for the trainee gardeners who worked in the Gardens, but today, they are used for the garden office, the office of the operational manager for Green Support Services and the room at the end is the gardeners' lunch room.

During the course of 150 years, the ploughed field in Frederiksberg has been transformed into a unique and beautiful gem under the Faculty of Life Sciences.

Kim Greiner, Senior Gardener

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

Productive dialogue meeting on the campus plan

Parking charges, kitchen gardens and a playing field – many inventive ideas were brought forth when staff and students presented their proposals for the campus plan within three selected themes at the dialogue meeting on Thursday 28 May.

Faculty Director Søren Hartz started out by explaining the idea behind the campus plan before the nearly 80 participants broke off into six working groups to discuss and prioritise their proposals.

The Frederiksberg Campus is to be connected by a car-free *Rambla* or promenade, which will run from Gimle along Grønnegårdsvej, across Thorvaldsensvej, along the tower building – where there is parking today – across Rolighedsvej and along the Forest and Landscape building to Åboulevarden/Ågade.

The City of Frederiksberg and LIFE will be working together to incorporate the Green Path into the development plan for Frederiksberg Campus.

Renovations and new buildings are currently underway on campus in the order of around DKK 464 million. The realisation of the development plan has not been calculated into this figure, but regular operations will not be impacted, emphasised the Faculty Director. An effort is underway to obtain external funding for most of the

plans.

One person asked whether there would be enough parking spaces after the plan has been implemented. Søren Hartz responded that a study has not yet been conducted of the consequences when the entire Forest and Landscape department moves to Frederiksberg and whether parking spaces on campus are actually used – that is, whether people drive in from "outside".

The discussions continued for the next 30 minutes until the summing up.

Here are some of the proposals from the different working groups:

Parking:

Parking charges – perhaps calculated on the basis of CO₂ emissions

Parking spaces only for staff and students - parking permits in car window

Underground parking:

Bülowsvej should not be the only entrance for area 1 (left turn with poor visibility)

Staff want more parking, students want more green areas

Canteens and other new buildings:

Kitchen at Gumle

Make students responsible for some of the canteen operations

Possibility of growing own vegetables for use in the canteens

Canteens: improved logistics (no bottlenecks), better food, use/incorporate outdoor areas, should be bright, friendly and inviting

More possibilities for eating outdoors

Better conditions for smokers – e.g. a lovely 'smoking' pavilion

Possibility for buying coffee at several locations on campus

Rambla

Car-free

Many activities, exercise and experiences

Making what LIFE does visible

Interesting lighting

LIFE bikes

Villa Rolighed should be incorporated into the Rambla path

Outdoor study environments with power and wireless networks

Playing field/sports activities

Kitchen gardens

See all the proposals from the dialogue meeting on the website (in Danish).

See the <u>Development plan</u> and <u>Art plan</u> here (in Danish). Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

The new research dairy at LIFE

On Thursday 14 May 2009, IFV inaugurated its new research dairy. Nearly 100 people stopped by to see the new research facilities.

The dairy researchers started the day with a seminar on the future research and education activities at the experimental dairy, where researchers can split milk up into its components and study them individually to see how they interact in dairy products.

At the inauguration, Grete Bertelsen, Pro-Dean of Education, gave a speech emphasising the excellent collaboration with the Danish dairy industry to attract more highly qualified students and improve the research facilities at LIFE.

Then, Bent Juul Sørensen, chairman of the Danish Milk Pool and the Danish Dairy Research Foundation, cut the 'ribbon', which was appropriately a mozzarella ribbon created by the dairy students.

The dairy was then open to the public with a variety of demonstration experiments and samples.

Carsten Peter Sørensen

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

Announcements

Have an influence on innovation for DKK 900 million

The Danish Council for Technology and Innovation (RTI) will be allocating nearly DKK 900 million in funding for the coming three-year period through the GTS institutes' performance contracts. The debate is now open, and they are interested in input from all stakeholders as to which initiatives deserve support and how others can be expanded and improved.

You can participate in the online debate on the future need for innovation competencies at www.bedreinnovation.dk (in Danish). Everyone is welcome to participate with comments, questions or suggestions relating to the 200+ proposals from the GTS institutes for building up new innovation competencies.

The proposals are grouped into fifteen focus areas within five general themes:

Klima & Energi (Climate & Energy)
Produktion & Teknologi (Production & Technology)
Service & Offentlig innovation (Service & Public Innovation)
Sundhed & Fødevarer (Health & Foods)
Vækst & Læring (Growth & Learning)

The debate will be open until 1 July 2009.

Do you see special potential in specific initiatives or an opportunity to collaborate with specific research or development projects? Or do you see an opportunity to supplement or expand an initiative in order to make it more relevant? Check out the individual initiatives and participate in the debate.

Stine Vedel Rasmussen, Business Affairs, svra@life.ku.dk

Gudrun Lau Bjerno, <u>glb@life.ku.dk</u> – latest update 3 June 2009

Seminar for student and career guidance counsellors

Administrativ Efteruddannelse for Universitetsansatte (AEU – Administrative Supplementary Training for University Employees) is hosting a seminar for student and career guidance counsellors on 30 September–2 October 2009.

See the programme for the seminar here (in Danish).

The deadline for registration is 14 August, and there are still places available. Register on the website www.aeu.dk, where you can also find information on the other courses and seminars offered by AEU.

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

Introduction course on using Kemibrug and OzZone

Courses on labelling and classification using Kemibrug and OzZone are scheduled for 17 June at 9 am–12 noon or at 1–4 pm, in H60 in the Library.

Sign up by Monday 15 June by email to mbks@life.ku.dk – see the programme here (in Danish).

Maj-Britt K. Stærfeldt, Working Environment Team, mbks@life.ku.dk

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

IT/Service Desk summer hours

During the summer – from Friday 26 June to Monday 24 August 2009 – the IT/Service Desk and Faculty Services will be open and manned on weekdays from 9 am to 3 pm.

The normal opening hours for the remainder of the year are 8 am to 4 pm.

Lisbet Ring-Hansen, IT, Irh@life.ku.dk

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

Public health in Denmark - an unrealistic goal?

A panel comprising Charlotte Bircow (fitness expert), Morten Mauritson (family health advisor based on the bestselling book series *Kernesund Familie*), Bente Kiens (Department of Exercise and Sport Sciences), Thomas Møberg (De Danske Vægtkonsulenter – weight loss experts), Niels Michelsen (social expert) and Kathrin Jubt Rasmussen (student, Ankerhus) will be debating public health in Denmark.

Moderator: Cecilie Beck, journalist, TV2. Organiser: Humanlife

Main topics of the evening:

- 1) Essential factors for good health
- 2) Health in theory and practice (major differences between these two aspects)
- 3) Individual responsibility vs. collective responsibility
- 4) Striking a balance, a. extreme behaviour, b. passivity

Admission DKK 50 per person, incl. coffee, cake and fruit.

Time and place: Thursday 4 June, 7.30 pm in Ballerup.

Register via this link:

http://www.grafe006E.dk/kurser/Foredrag+og+debat/Krop+og+sundhed/091-210901/

Kind regards, Michael

Humanlife

www.humanlife.dk

Gudrun Lau Bjerno, glb@life.ku.dk - latest update 2 June 2009

Flower shop open again

We are nearly done planting the summer flowers in the Gardens and near the Café, and surplus plants are now for sale.

The sale will take place on 10 May, 7 am-2 pm in the Greenhouses at Rolighedsvej 23.

Due to the construction of the new Forestry & Landscape building, access for pedestrians and cyclists is difficult. Please use the Green Path, where a connecting path leads to LIFE between the badminton hall and the day-care centre. It is also possible to come via the driveway at Villa Rolighed.

Throughout the summer, special plants, seeds and bulbs will also be on sale from the platform lorry at Café

Væksthuset – but only when we have something interesting to offer...

Best regards, The smiling gardeners

Gudrun Lau Bjerno, glb@life.ku.dk - latest update 29 May 2009

Education

Cleantech Summer Camp 2009 - 12-21 August

Want to create innovative ideas in collaboration with Novozymes and Haldor Topsøe? Want to spend your summer holidays doing something useful and developing your network?

Want to grasp a unique opportunity to boost your qualifications?

The University of Copenhagen and the Technical University of Denmark, in collaboration with Novozymes and Haldor Topsøe, hereby invite you to Cleantech Summer Camp 2009, where great thoughts and new ideas will

be developed across disciplines and competencies.

The participants in Cleantech Summer Camp 2009 will be creating innovative ideas that can change the world, such as coming up with new knowledge-based products or services with improved productivity, reduced use of resources, less pollution etc. The camp will focus on a number of real-life issues to which the participating

companies are looking for solutions.

What's in it for you?

You get a unique opportunity to work with specific issues in collaboration with other committed students, companies and experts who will guide, challenge and inspire you. Participants will be given assistance and the

methods for structured and intensive ideas development.

You will gain experience from a structured innovation process, which will increase your entrepreneurial skills in relation to developing business ideas. This is an important tool when developing an idea on your own or as part

of a company's development department (intrapreneurship).

Date: 12-21 August 2009

Participants: A total of fifteen students will be accepted, mainly at MSc level. Otherwise, there are no specific

requirements for experience or study discipline.

Place: The course will take place partly as a residential course on Zealand.

Price: Free (the course covers expenses for room and board).

ECTS points: The course is expected to give 5 ECTS points.

Language: The language of instruction will be English if international students participate in the course.

Registration: By 19 June to Mikkel Trym Andersen at mtan@science.ku.dk or on tel. +45 3532 4224 for more

information.

Read more at: www.katapult.ku.dk/aktiviteter (in Danish)

Gudrun Lau Bjerno, alb@life.ku.dk - latest update 3 June 2009

Staff news

Tina Lewis - Master of Business Administration, CBS

Tina Lewis, Business Manager, Business Affairs, has earned an MBA in Technology, Market and Organisation at CBS. She earned top marks for her work with LIFE's *Erhvervskompas* (Business Compass).

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

New Professor of Tropical Forestry

Carsten Smith Olsen has been appointed Professor of Forest and People in Developing Countries at Forest & Landscape, University of Copenhagen.

Carsten Smith Olsen is 42 years old and holds an MSc in Forestry from the Royal Veterinary and Agricultural University (now LIFE). The young professor's research focuses on the importance of forests for rural populations in developing countries, and he is already a researcher with comprehensive international experience, having published international articles based on research carried out in India, Nepal, Malaysia, Thailand, Guatemala, Colombia, Swaziland, Mozambique and Burkina Faso.

Read the press release (in Danish)

Gudrun Lau Bjerno, alb@life.ku.dk – latest update 3 June 2009

Professor Arne Astrup steps down as president of IASO and receives international communication award

Arne Astrup is stepping down as president of the International Association for the Study of Obesity (IASO) in order to concentrate on new research projects at LIFE, University of Copenhagen. He has also received an international communication award for his communication of nutrition and obesity research.

Read the press release (in Danish)

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 29 May 2009

Research

Come help make a difference!

On Tuesday 23 June, we will be hosting an event for water researchers and students at LIFE. Fill your head with knowledge and ideas before celebrating Midsummer.

See invitation and programme here (in Danish).

There is no fee for participation, but registration is necessary for planning purposes – register by email to Mette Christiansen, mech@life.ku.dk, by Thursday 18 June. See you there!

**Gudrun Lau Bjerno*, globelife.ku.dk, – latest update 4 June 2009

New Nordic Diet Conference - Tuesday 16 June 2009

Can obesity be combated with good tasting food as the weapon? – The path to a healthy, tasty and sustainable food culture by 2012

The conference will take place at CBS, Porcelænshaven 20, 2000 Frederiksberg C on Tuesday 16 June at 9.00 am–3.30 pm.

Registration: www.meyersmadhus.dk See invitation and programme here (in Danish)

Conference fee: DKK 500 Contact: Emil Blauert at emil@meyersmad.dk if you have any questions regarding the conference.

Organiser: OPUS

Gudrun Lau Bjerno, glb@life.ku.dk – latest update 3 June 2009

Nobel Prize 2008 in Chemistry – Green Fluorescent Protein (GFP)

Thursday, 4 June 2009: 1-5 pm – Pharma Auditorium 4, Faculty of Pharmaceutical Sciences, University of Copenhagen, Universitetsparken 2, Copenhagen Ø.

Organisers: Ole Thastrup, 2cureX ApS, Tuula Kallunki, Danish Cancer Society and Steen Gammeltoft, Glostrup Hospital.

Sponsors: Novozymes, Novo Nordisk and Faculty of Pharmaceutical Sciences, University of Copenhagen

Final programme: Green fluorescent protein applications in cell biology 1.00-1.10 pm Ole Thastrup, 2cureX: Introduction

1.10-2.00 pm Nobel lecture: Martin Chalfie, Department of Biological Sciences, Columbia University, 1012 Fairchild Center, New York, USA: Discovery and development of the green fluorescent protein, GFP

2.00-2.30 pm Claudia Lukas, Institute of Cancer Biology, Danish Cancer Society, Copenhagen, Denmark: Visualisation of the DNA Damage Response in Living Cells

2.30-3.00 pm Tullio Pozzan, Department of Biomedical Sciences and CNR Institute of Neurosciences, University of Padua, Italy: Mitochondria-endoplasmic reticulum choreography: calcium signalling dynamics in regulation of cell life and death

3.00-3.30 pm Refreshments

3.30-4.00 pm Mikhail V. Matz, Integrative Biology Section, University of Texas at Austin, Texas, USA: GFP-like proteins illuminate general principles of diversity and complexity evolution

4.00-4.30 pm Mikala Egeblad, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA: Dynamic imaging of tumour progression and elimination in live mice

4.30-5.00 pm Anthony Campbell, Darwin Centre Department of Medical Biochemistry and Immunology Wales College of Medicine Cardiff University, UK: Fluorescence that sparkles – bioluminescence in evolution

Registration on-line: www.biokemi.org or www.ida.dk. Everyone is welcome. Admission is free. Registration is required.

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Gudrun Lau Bjerno, glb@life.ku.dk – latest update 29 May 2009

Research funds etc.

See the updated information on the Research & Information website.