

**NATURAL SCIENCE-DAY**  
PRACTICAL WORKSHOPS  
FOR STUDENTS  
→ *October 25<sup>th</sup>, 2010*





**together**

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## Bei uns stimmt die Chemie.



### **Sika – ein innovatives Unternehmen**

Sika ist ein weltweit tätiges, innovatives Unternehmen für chemische und technische Spezialitäten in den Bereichen Bau und Industrie. Wir legen an unsere Leistungen hohe ethische Maßstäbe und fördern ein Betriebsklima, in welchem sich Leistungsbereitschaft und gegenseitige Wertschätzung entfalten können. Mit rund 12'000 Mitarbeiterinnen und Mitarbeitern in über 70 Ländern erzielt Sika einen Nettoerlös von CHF 4.5 Milliarden.

Im Sika Konzern ist die Sika Technology AG in Zürich-Altstetten verantwortlich für die Forschung und Entwicklung. Um die Wachstumsstrategie konsequent fortzusetzen und um weiterhin unsere ambitionierten Ziele zu verfolgen, suchen wir laufend motivierte und innovative ChemikerInnen von Fachhochschulen und universitären Hochschulen. Wenn Sie in einem zukunftsorientierten Unternehmen Ihre Stärken entfalten wollen und sich dafür mit Engagement einsetzen möchten, dann kontaktieren Sie uns. Weitere Informationen finden Sie im Internet unter [www.sika.ch/stellenmarkt](http://www.sika.ch/stellenmarkt).

## Feel the Sika Spirit



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# NATURAL SCIENCE-DAY IN-DEPTH MEANINGFUL CONTACTS



*The together team  
(from left to right):  
Julia Zogg, Christian  
Fischer, Bettina  
Egger, Stéphanie  
Grubenmann,  
Rolf Sonderegger,  
Tanja Colletti, Adrian  
Fischer*

In determining your course of study you have already made a very important decision in your career path. However, you will soon have to answer further questions: In which company could I do an internship? Is there a possibility to write a bachelor/master thesis with practical relevance? With which employer would I like to start my professional career?

On the Natural Science-Day students and PhD-students from the fields of biology, chemistry and pharmaceutics will have the opportunity to exchange ideas during an entire day with leading companies in the pharmaceutical and life science industry. In workshops you will learn about the challenges the participating companies face. This way you will not only gather information about your professional perspectives

within these top companies but also get practical insights into their way of working.

To cut to the chase: On the Natural Science-Day you get a behind-the-scenes impression of various top companies in a relaxed atmosphere. In this way you will gain information which is not available in any shiny brochure. And of course you will be establishing contacts today which will open doors tomorrow.

So mark in red Monday, October 25<sup>th</sup>, 2010 in your diary. We look forward to welcoming you and your student colleagues to our 3<sup>rd</sup> Natural Science-Day!

Rolf Sonderegger  
Director together



## expectation **loves** surprise

Biologists, corporate lawyers, mathematicians, and agrarian scientists. And, of course, chemists, engineers and business people. You'll find them all at BASF. Surprised by such diversity? At the world's leading chemical company, there's more than you might expect. Find out more at: [www.basf.com/career](http://www.basf.com/career)



[www.basf.com/career](http://www.basf.com/career)

 **BASF**  
The Chemical Company

# NATURAL SCIENCE-DAY YOUR REGISTRATION



## What is the Natural Science-Day about?

The Natural Science-Day is an opportunity for students and PhD-students from universities to establish contacts with leading pharmaceutical and life science companies. Entry possibilities into those branches are presented in-depth through workshops and information desks.

On the Natural Science-Day we offer seven company-oriented practical workshops based on various themes. Through collaborative activity in workshops you will get a deep insight into how people work within these companies and at the same time establish meaningful contacts with key personnel. At the close there will be open discussions on a round table basis with representatives of the companies and the other participants in the Natural Science-Day concerning the outcomes of the workshops.

In the later afternoon you will have the opportunity to talk to key personnel of the participating companies about your professional future and aspirations in a relaxed atmosphere. At the information desks they will be happy to discuss your opportunities for practical training, bachelor and master thesis, trainee programs and give their first hand responses to employment possibilities.



## What is your benefit from the Natural Science-Day

It is very important for your next career step to intensively get in contact with potential employers already during your studies. It is not just about getting to know the various industries and activities but rather developing a wide network with personal contacts. This is exactly what our Natural Science-Day offers. In a relaxed atmosphere you can:

- explore opportunities for internships, bachelor and master thesis, trainee programs and starting conditions.
- establish personal contacts with key representatives of companies.
- get concrete insights into activities of companies.
- use your theoretical knowledge in workshops.

Additionally, as a participant in our Natural Science-Day you will receive a personal certificate to attach to your CV.

In short: The Natural Science-Day gives you a one-off opportunity to peer behind the scenes of pharmaceutical and life science branches and assess your prospects in an uncomplicated way.



## Your registration for the Natural Science-Day

You can register online via our website: [www.naturalscience-day.ch](http://www.naturalscience-day.ch)  
Enter your personal details, your major, your two favorite workshops and your motivation for participating. Thereafter, you will immediately receive a confirmation from us.

You will get the actual invitation to the Natural Science-Day about two weeks before. At the same time you will receive by email the workshop documentation and further information about the event. As the number of people we can accommodate on the Natural Science-Day is limited we will be taking into account your short profile and motivation reasoning. Taking part in the Natural Science-Day is free of charge.

Further information and registration until Sunday, October 10<sup>th</sup>, 2010:

→ [www.naturalscience-day.ch](http://www.naturalscience-day.ch)

# WORKSHOPS

## Monday, October 25<sup>th</sup> Technopark Zurich

### Agenda

**08.30 – 09.00**

→ Arrival

**09.00 – 09.15**

→ Welcome

**09.15 – 12.00**

→ Workshop (Part I)

**12.00 – 13.15**

→ Buffet Lunch and  
Information Desks

**13.15 – 15.00 Uhr**

→ Workshop (Part II)

**15.15 – 16.15 Uhr**

→ Round Tables

**16.15 – 17.15 Uhr**

→ Information Desks with  
Apéro Riche

**Further information and  
registration**

→ [www.naturalscience-day.ch](http://www.naturalscience-day.ch)

**Registration closing date**

→ October 10<sup>th</sup>, 2010

 Biology

 Chemistry

 Pharmaceuticals

The study branches that suit a workshop best are marked in orange above the workshop description.



### Develop new photoinitiators for printing

BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics and performance products to agricultural products, fine chemicals as well as oil and gas. BASF is a leading provider of materials used in radiation curing, an economically and ecologically advantageous technology that finds increasing use in coatings, printing inks, adhesives and electronic materials.

In this workshop you will work together with experts from BASF on a project aimed at the development of new photoinitiators for use in packaging applications. The workshop focuses on meeting the performance requirements for this application: properties such as migration and extractability of the compound in the cured ink will be considered, and the economic and ecological aspects of the production process of a new compound will be investigated. This workshop is designed for people who have studied chemistry, especially organic chemistry.

**Website**

→ [www.basf.ch](http://www.basf.ch)



## Packaging for a sustainable world

Dow's diversified industry-leading portfolio of specialty chemical, advanced materials, agrosiences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 160 countries and in high growth sectors such as electronics, water, energy, coatings and agriculture. The Dow Chemical Company is committed to bringing solutions to the world for some of the most serious problems humanity faces today.

In this workshop you will be introduced into the world of packaging, including food-, industrial goods-, and consumer product-packaging, reflecting its present impact on society in all aspects. You will articulate what a sustainable packaging concept implies and propose potential solutions to the present-day challenges packaging brings.

**Website**  
→ [www.dow.com](http://www.dow.com)



## Pharmaceutical industry: What does the future hold?

Eli Lilly and Company is a leading innovation-driven pharmaceutical corporation. Eli Lilly and Company develops best-in-class pharmaceutical products by applying the latest research from the own worldwide laboratories, by collaborating with eminent scientific organizations, by making use of the most up-to-date technological tools, and by providing exceptional customer service.

In this workshop you will play the role of a director in corporate planning and strategy trying to answer a simple question: Lilly has a 130 year legacy; but given the current dynamic environment, will the foundation of past success serve Lilly as well for the future? What will be the best strategy for success in the pharmaceutical industry? What changes will the current business model need to undergo to best fulfill our promise «Answers that matter for the patients»? Your answers are required!

**Website**  
→ [www.lilly.ch](http://www.lilly.ch)



## Interpretation negativer Wirkungen von Arzneimitteln

Harlan Laboratories ist ein führender Anbieter von grundlegenden, nichtklinischen Auftrags-Forschungsleistungen, Forschungsmodellen, Tierfuttermitteln und Dienstleistungen für Universitäten, Behörden und andere Forschungsorganisationen. Der Fokus besteht darin, Produkte und Dienstleistungen anzubieten, die die Entdeckung und Sicherheit neuer Arzneistoffe und Verbindungen optimieren.

Du studierst Biologie, Pharmazie, Medizin oder Veterinärmedizin und hast grosses Interesse an der Arzneimittelentwicklung? Dann unterstütze die Toxikologen von Harlan Laboratories bei der Beurteilung schädlicher Wirkungen eines neuen Medikaments. Dazu wertest du in diesem Workshop Daten einer präklinischen Studie aus und interpretierst diese, um dem Auftraggeber Hinweise auf Toxizität und auf spezifische Wirkmechanismen seiner viel versprechenden Substanz zu geben.

**Website**  
→ [www.harlan.com](http://www.harlan.com)



## Production of pharmaceutical goods: Support decisions

In a pharmaceutical company there are typically three levels where individuals with different educational backgrounds are involved in the decision-making for the production of pharmaceutical products. After a decision has been taken for an investment and a budget defined, the usual procedure for the procurement of investment goods begins with the definition of the technical requirement in the form of user requirement specification. This specification is sent to potential suppliers with an invitation to quote. The bidder elaborates a quotation and the user analyses the quote to see if the assignment of the task is fulfilled. Before the final awarding and placement of an order, the expenditure is again analysed in the higher management and then the purchasing is tasked with the procurement.

In this workshop you will rework existing quotes in such a way that all levels involved in the decision-making receive a meaningful argumentation why they shall take a decision in favour of the bidder.

**Website**  
→ [www.pall.com](http://www.pall.com)



# Start your career at *Lilly*

## Lilly meets all your expectations

Founded over 130 years ago in the United States, Lilly, the 10<sup>th</sup> largest pharmaceutical company in the world in 2009, has a single aim: to improve individual benefits for patients with innovative, quality medicines. Lilly's success stems both from the values which underpin all its activities and its choice of research in a number of areas: diabetes, psychiatry, oncology, erectile dysfunction, osteoporosis, cardiology and intensive care.

### Eli Lilly (Suisse) SA

Since 1925, Lilly activities in Switzerland have been based at its Geneva headquarters, where some 200 employees work in three entities: Eli Lilly (Suisse) SA, Eli Lilly Export SA, and Regional Cardiovascular and Intensive Care Europe.

### Talent selection and promotion, Lilly's strength

Managing its human resources is at the heart of Lilly's values and two talent-promotion programmes help bring excellent results, such as the "Succession management" and the "Performance Management".



### ELI LILLY (SUISSE) SA

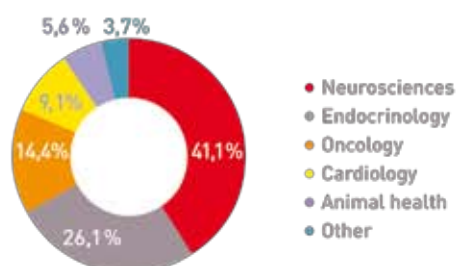
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### Awards won by Lilly in the domain of Human Resources in 2009

- Fortune Magazine's "Global Top Companies for Leaders"
- Points of Light Institute's "Award of Excellence Corporate Engagement"
- Forbes.com's "Most Generous U.S. Companies"
- Science Magazine's "Best Companies for Scientists"
- Working Mother Magazine's "100 Best Companies for Working Mothers"

### Percentage of sales by therapeutic area – 2009





## Produktentwicklung: Neuartiger Verflüssiger gesucht

Die Sika Technology AG ist ein innovatives Unternehmen der Spezialitätenchemie und führend in den Bereichen Prozessmaterialien für das Dichten, Kleben, Dämpfen, Verstärken und Schützen von Tragstrukturen am Bau und in der Industrie. Durch die weltweite lokale Präsenz mit Tochtergesellschaften in über 70 Ländern und über 12'000 Mitarbeitenden erzielt der Konzern einen Jahresumsatz von mehr als 4.5 Milliarden CHF.

Speziell im Bauwesen wird eine breite Palette von Hochleistungsadditiven benötigt, die verschiedenen Anforderungen genügen müssen. In diesem Workshop erarbeitest du die Grundlagen und entwickelst einen neuartigen Verflüssiger für hydraulische Bindemittel unter Berücksichtigung chemischer, ökologischer und anwendungstechnischer Aspekte.

**Website**  
→ [www.sika.com](http://www.sika.com)



## Invent new agrochemical products

Syngenta is one of the world's leading companies with more than 25'000 employees in over 90 countries dedicated to our purpose: Bringing plant potential to life. Through world-class science, global reach and commitment to our customers we help to increase crop productivity, protect the environment and improve health and quality of life.

The overall aim of this workshop is to illustrate how Syngenta scientists approach the invention of new products based on a real example. Working in small teams together with representatives from Syngenta, you will be guided through the invention process via a series of technical modules. At the end of the workshop, each team will have invented a potential development compound to present to the other teams and be able to explain their development process. You will also learn how the actual Syngenta product was invented and synthesized.

**Website**  
→ [www.syngenta.com](http://www.syngenta.com)  
→ [www.syngenta.ch](http://www.syngenta.ch)

## OUR MOTTO

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«to come together is a start, *to stay together is progress* and working together leads to success.»

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### Who stands behind together?

together is the largest organization in Switzerland offering contact seminars for students and prospective employers. With this events and the website [www.career-cockpit.ch](http://www.career-cockpit.ch) together is the ideal connection for students and attractive employers as well as the competent partner in university marketing.

together is based in St.Gallen and currently has seven employees:

- Tanja Colletti, Event Management
- Bettina Egger, Key Account Management
- Dr. Adrian Fischer, Director, Head of Key Account Management
- Christian Fischer, Marketing and Communications
- Stéphanie Grubenmann, Project Management
- Rolf Sonderegger, Director, Head of Event Management
- Julia Zogg, Head of Marketing and Communications

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### How did together start?

together started in 2002 based on our own experience. During our studies we realized that students visiting previous contact exhibitions were only superficially informed about employment possibilities.

Because of this unsatisfactory situation together set its target to organize contact events which would enable in-depth exchanges of views between students and companies: Quality instead of quantity, individual attention instead of mass meetings.

In our opinion the key to success lies in personal contacts. This way both the student and a company's representative can form lasting impressions of each other. For this reason at our events priority is given to joint activity in workshops, the exchange of relevant practical questions and establishing personal contacts.

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### How do we stay in contact?

#### **Newsletter:**

Would you like to be the first to know about our events? Are you looking for an internship, a theme for your bachelor or master thesis or a trainee program? And would you like to know which companies have positions available? If so, you should take our newsletter:

→ [www.together-online.ch](http://www.together-online.ch)

#### **career-cockpit.ch:**

Via this website we offer a unique information platform containing all career-relevant information for both during and after your studies.

→ [www.career-cockpit.ch](http://www.career-cockpit.ch)

#### **Facebook und Xing:**

We are also very active in social networking for students as well as graduates. Join our group «Studierende und AbsolventInnen der Schweiz» and with one click you will open the door to your future professional career.

→ [www.facebook.com](http://www.facebook.com)

→ [www.xing.com](http://www.xing.com)



We're improving

agricultural sustainability

through our

innovations\*



**syngenta**

## \*Our work matters

As global demand for food and fuel continues to rise, we are dedicated to our purpose: Bringing plant potential to life. Syngenta is one of the world's leading companies with more than 25,000 employees in over 90 countries. We work in a collaborative and inspiring culture where personal contribution is rewarded and growth and development are at the heart of our culture.

Through our world-class science, global reach and commitment to working with our customers, we help to increase crop productivity, protect the environment and improve health and quality of life.

There's never been a more important time to join Syngenta.

We're keen to recruit the best graduates from a variety of disciplines, Agronomy, biology, chemistry, engineering, information technology, supply chain or economics – at Syngenta, students and graduates in a wide range of disciplines will find an opportunity to launch their career.

Visit [www.syngenta.com](http://www.syngenta.com) and [www.syngenta.ch](http://www.syngenta.ch)