# Infozine No. 7

The Magazine for Users of Scientific Information

# 350 years of Philosophical Transactions

On March 6, 1665 the first issue of the journal Philosophical Transactions, the second oldest journal in the world, was published. In contrast to the journal Journal des Sçavans, which was published on January 5, 1665 and which turned into an Arts & Humanities journal later, the Philosophical Transactions are still published today.

#### Selected Contents: No. 7 March 2015

2 The Infozine Interview

3 News from the ETH Library

4 D-CHAB publications live

4 & 5 App Tips

5 & 6 Pharmacist's Corner

7 Borrowing books online

8 Research Group Menus

An anniversary issue due April 13, 2015 (and already online) presents important findings that have been published in the journal: In 1673 Isaac Newton's discovery that color is a basic property of light, in 1667 the first description of bacteria by Antoni van Leeuwenhoek, and in 1832 Michael Faraday's report on electromagnetical rotations, the basis for the world's electrification. Edward Stone was the first one who published the precursor of the clinical trial and discovered Aspirin, a drug that was synthesized at Bayer 130 years later.

We hope you enjoy reading this issue of Infozine, which is quite a young journal, and we wish you a Happy Easter.

Your Chemistry | Biology | Pharmacy Information Center

# JoVE Lab Index: A bird's eye view on scientific fields

JoVE, the Journal of Visualized Experiments (see Infozine No. 4, p. 2) launched a new product that claims to be nothing less than revolutionary. You get a bird's eye view of the landscape of a scientific field and you can find the important scientists in a field using several filters for ranking. Access JoVE Lab Index free of charge at <a href="http://labindex.jove.com">http://labindex.jove.com</a> and search millions of the most impactful published research papers and hundreds of thousands of individual researchers by specific area of scientific research!



When searching by subject and/or author the results page shows up to four groups. Why four groups? When submitting a query, JoVE uses various algorithms and group 1 is supposed to be the best hit, while groups 2 to 4 are additional options as visible by the different tag clouds. For example, when searching for scientists that have knowledge of CRISPR (used for gene-editing) one will find, of course, Em-

manuelle Charpentier and Jennifer Douda, who developed this method. That kind of information can also be found in Scopus. However, JoVE Lab Index will also present tabs with grants, conferences and jobs that match the query. Additionally star clusters are presented that show authors related to this research area. Authors with JoVE videos are marked. When searching for scientists it is best to



format the name as last name initial(s) - e.g. Detmar M. Clicking on a name opens an info chart, including a Google Map with the researcher's location.

### The Infozine Interview

#### The Infozine Interview

# The wish: Courses recorded as podcasts

6 questions, today to Simone-Patrick Carmone (26), studying Pharmaceutical Sciences in the 5. semester



### 1. Which are the areas scientists should focus on more in depth?

An interesting and very promising field within pharmaceutical sciences is the research on antibody-drug-conjugates. (Editor's note: Antibody-drug conjugates consist of a small molecule drug – it can also include a radioisotope – which is conjugated to an antibody or fragment of an antibody. The antibody binds to a specific antigen which is present in target cells only. Thus the drug reaches out very specifically to diseased cells. Healthy cells are less affected and side effects can thus be minimized).

### 2. When do you consider a lecture fascinating?

Wenn A lecture is fascinating when the lecturer does not just read a PowerPoint presentation but teaches by interacting with the audience, using examples from recent research and new findings and thus attracting students to the topic. 3. Where is your favorite place at ETH? In the summer I am quite often at the tennis courts of ASVZ Fluntern.

Otherwise I generally like to be at the Hönggerberg.

# 4. What tricks can you share for when your motivation hits the bottom or you are tired of learning?

The most important thing for me is: Coffee ©

Without my (rather several) coffees I do not function. Otherwise I do lots of sports to get away from my frustrations and to recharge my energy. Another motivation are all the people that also stay in the library and to whom I can talk in an enjoyable break.

### 5. If you were granted a wish, what would it be?

If it would be a wish related to the ETH Zurich I would definitely wish for podcasts of the courses.

### 6. Which book would you like to recommend?

Extremely Loud & Incredibly Close by Jonathan Safran Foer.

(Editor's note: The book describes the life of a 10-year old boy who lost his father during the World Trade Center terror attacks on September 11. While his mourning mother is withdrawing, Oscar starts a journey to learn how to cope with the loss he experienced).

Jan Wyler conducted the interview. Would you like to answer our questionnaire and receive an original Info Center memory stick? Please contact Jan Wyler (wyler@chem.ethz.ch)!

### Do you need a *Science* paper older than 1997?

Are you looking for a publication in *Science* that was published before 1997? Are you checking *Science*'s website (sciencemag.org) and realize that there is a so-called "Science

Classic (Digital Archive), 1880– 1996" for older articles but arrive at a pay wall with the information:



The content you requested is not included in your institutional subscription and requires a AAAS member subscription to this site or Science Pay per Article purchase. If you already have a user name and password, please sign in below.

Of course ETH Zurich also has a license to earlier issues of *Science* – you do not need to be an AAAS member. However, how do you find access to the archive? Preferably through ETH Zurich's SFX e-journal Finder at http://sfx.ethz.ch/sfx local/az/default.

You do not have to memorize the URL. Simply go to our website, click on Tools and select Access to Publications or type "Find e-journal SFX" into the search box. When searching SFX for *Science* you will see that ETH Zurich has licensed access to articles starting from 1880 (Volume 1) through 1996 via JSTOR.

### **Explanation in Brief**What is JSTOR?

JSTOR is a not-for-profit-organization which provides a digital library for academic journals, books and other primary resources.

#### **Imprint**

Infozine is published by the Chemistry |
Biology | Pharmacy Information Center, a
function within the Departments of
Chemistry and Applied Biosciences and the
Department of Biology at the ETH Zurich.
Infozine is published as an English and
German edition.

Concept, Editing and Layout: Dr. Oliver Renn Copy-Editor: Dr. Jozica Dolenc

© ICBP 2015 www.infozentrum.ethz.ch

### **New Information Resources**

#### News from the ETH Library New databases in Web of Science

The license for the multidisciplinary database Web of Science has been expanded.

From 2015 on, the following additional databases are available:

- Book Citation Index 2005 today
- Biosis Citation Index 1926 today
- Data Citation Index 1900 today
- CAB Abstracts 1910 today
- Current Chemical Reactions 1985 today
- Index Chemicus 1994 today
- Zoological Record 1978 today

A new database category is the Data Citation Index. Research data in repositories of various disciplines can be searched with it. You will get a detailed overview on all available databases once you open the menu "All Databases" and click on "Learn More".



#### Finding DIN standards on the Knowledge Portal

Printed DIN standards can now be found in DIN paperbacks on the Knowledge Portal. Simply enter the DIN number in the search box. This search option is an addition to the Perinorm database and just the ticket if a standard cannot be found on Perinorm (e.g. older standard) or you do not have any access to the database (access only possible within the ETH Zurich network).

Perinorm is a bibliographical database to search for standards and technical regulations. Perinorm includes over 1.1 million records from 23 countries. The Perinorm licence of the ETH Library provides full text access to the currently applicable standards of the Swiss Association for Standardisation (SNV, SN standards), the Association of German Engineers (VDI), the German Institute for Standardisation (DIN), and the International Organisation for Standardisation (ISO). The entries are updated monthly.

Students and other members of the ETH Zurich get access to the full texts on computers within the ETH Zurich network or on their external computer via VPN. It is neither possible nor legal to save full texts. You may print the full texts. It is not allowed to pass full text documents to third parties who are not affiliated to the ETH Zurich. To open the full text you have to install the FileOpen Plugin for your Acrobat Reader.

### More open-access memberships: Frontiers, MDPI and Copernicus

As of January 2015, scientists from ETH Zurich who publish via the openaccess publishers Frontiers and MDPI can charge the publication fees directly to ETH Zurich. The condition is that the corresponding or primary author of the article is employed by ETH Zurich. In order to take advantage of these memberships, please select ETH Zurich from the drop-down menu when submitting your manuscript Frontiers or MDPI. As of October 2014, scientists from ETH Zurich who publish an article via the open-access publisher Copernicus can charge the publication fees directly to ETH Zurich. For any questions about the new arrangement please contact the E-Publishing Office at ETH Library: epublishing@library.ethz.ch.

#### New licensed iournals

ETH Library has licensed 7 new journals in the subjects environment, transport, geography, mechanical engineering, biology, earth science, chemistry and medicine. The following 6 are also of interest for the readers of Infozine:

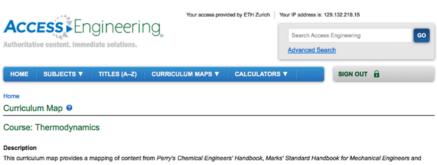
- · Advanced Healthcare Materials
- Biotechnology Journal
- Foundations of Chemistry
- Journal of Laboratory Automation
- Wiley Interdisciplinary Reviews
- Expert Review of Medical Devices

#### New: Access to the platform AccessEngineering

The platform AccessEngineering from McGraw-Hill delivers web-based access to technical books, manuals and engineering handbooks enriched with instructional videos, interactive tables and charts. This also includes information for Chemical Engineers with titles such as

- Perry's Chemical Engineers' Handbook, 8th Edition
- A Working Guide to Process Equipment, 4th Edition
- Handbook of Chemical Engineering Calculations, 4th Edition

Particularly interesting are the tabs "Calculators" and "Curriculum Maps". AccessEngineering includes Excel spreadsheet calculator tools that save time by streamlining commonly used calculations as well as more than 3900 interactive graphs plus thousands of downloadable tables making it easier to use and analyze key data.



This curriculum map provides a mapping of content from Perry's Chemical Engineers' Handbook, Marks' Standard Handbook for Mechanical Engineers and Schaum's Outline of Thermodynamics to standard Thermodynamics course topics. The authors carefully selected relevant examples, videos, tables and figures which they felt would be valuable supplements to any standard Thermo textbook. You can easily incorporate the content into your course by using our copy link functionality to paste a direct link into your school's LMS.

Authors

# Professional patent searches by InfoLit

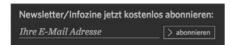
It is a while ago that the Chemistry | Biology | Pharmacy Information Center cancelled the license to the STN search platform that allows - provided in-depth knowledge of the research tool - sophisticated patent searches. The license was terminated due to the lack of search query requests. The platform, provided by FIZ Karlsruhe and CAS, has recently been redesigned from scratch. In case you depend on professional searches via this powerful platform, we would like to recommend an info broker close to you, InfoLit (https://infolit.ch). located Technopark in Kreis 5. The team has specific knowledge in biology, chemistry and pharmaceutical sciences as well as patents. InfoLit also offers team searches, where you search together with an InfoLit expert. New customer searches start at CHF 250.



#### E-Books still on the rise?

At least in Germany the growth rate of e-book sales has flattened. According to the book sellers organization *Börsenverein*, sales increased 7.6% in 2014, while in 2013 the sales had increased by more than 60%. Thus, the portion of e-books in the overall book market (excluding text books and scientific literature) has increased from 3.9 to only 4.3%.

## It's free: Subscribe to Infozine!

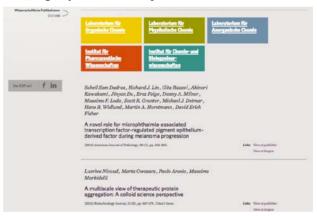


Would you like to receive new issues of our magazine automatically? Please use the subscription box on our website at www.infozentrum.ethz.ch!

## See all new D-CHAB publications in a live feed

Are you interested in the publications of the Department of Chemistry & Applied Biosciences (D-CHAB)? Would you like to immediately see if new research has been published? A publication list that is updated live can be found since a while on the Chemistry | Biology | Pharmacy Information Center's website through the new menu "Scientific Publications". The Info Center, respectively the new Science Communication at D-CHAB function, takes advantage of an API (Application Programming Interface) of the Scopus Abstract & Indexing Database. The query uses a list of all D-CHAB professors. Once you enter the page, a new query is send to Scopus' API and the page is updated. As Scopus often already indexes an article as soon as the publisher has accepted it you can expect the list to be up-to-date. The chance that an article can not be found in Scopus is quite low since Scopus indexes 22 000 scientific journals.

Are you less interested in the entire D-CHAB but rather in a specific Laboratory or Institute? No problem: with one click on one of the Laboratories or Institutes you can filter, e.g., by IPW or LOC publications.



For each article, both the direct link to the article on the publisher's website and at Scopus are displayed. Provided you are within a network that has licensed access to Scopus, you are referred to the article page in Scopus along with additional information, e.g., the Altmetric donut (more about the Altmetric donut can be found in Infozine No. 5, p. 7).

#### **SciFinder Future Leaders in Chemistry**

The 2015 SciFinder Future Leaders in Chemistry Program is your chance to get involved, get inspired and get connected to a global network of accomplished researchers. This August 10–20, a select group of international Ph.D. students and postdoctoral researchers will help shape the future of chemical information and experience the 250th ACS National Meeting & Exposition in Boston, MA. Learn how to apply and submit your application today. Applications are due by Sunday, April 5, 2015! Among the Alumis of 2014 is Natalja Frueh, ETH Zurich.

#### App-Tipp (1)

#### Skipper-Books

Are you a big fan of library catalogues? Would like to have one for your own book collection but you hesitate due to the huge effort of cataloging, which is not a fun job? Then we have a really cool solution for you.

Recently, the publishing house Hoffmann and Campe released the free App Skipper Books for iOS.



Cataloging books is now very easy: just hold your iPhone (or iPad) over the barcode of the book and without any clicks the books gets catalogued with all the details including the cover. If you want, you can add the place you bought the book, assign the book to categories, manage loans, or note paragraphs you like. The app also generates advanced stats about your collection and reading. Tired of advertisements? No, there is just one book recommendation each time you start the app. The design and user interface are truly outstanding.

# Book recommendations

E. Mutschler

#### Wie wirken Arzneimittel?

WVG, 2010

An easy start into pharmacology with an audio book (CD) where Ernst Mutschler himself gives a coherent talk about the basics in pharmacology. (Nebis-Directlink)

#### S. Jacobsen

# Arzneiformenlehre multimedial: Ein Wegweiser in Bildern WVG, 2013

From PTA to professor of pharmacy – all have found themselves at some point for the first time in the laboratory and wondered: What is a "normal dropper"? What does a "Tubenfüllgerät" do? Which of the many mortars and pestles are actually used for what purpose? This book is richly illustrated for beginners.

(Nebis-Directlink)

#### S. Bübel, J. M. Reichert (Eds.)

#### Handbook of Therapeutic Antibodies, 2. Edition, Vol. 1-4

Wiley Blackwell, 2014

Volume 1 covers selection and engineering strategies for new antibodies. Volume 2 presents novel therapeutic concepts and antibodies in clinical study. Volumes 3 and 4 feature detailed and specific information about each antibody approved for therapeutic purposes, including clinical data. (Nebis-Directlink)

#### B. Greenstein, D. Brook

#### **Biological Therapeutics**

Pharmaceutical Press, 2011

A comprehensible introduction to what is the fastest-growing branch of pharmaceutical sciences nowadays. All categories of biological therapeutics are covered and each chapter includes historical introductions, an overview of the drugs and their mechanisms of action, uses, example of adverse reactions and case studies.

(Nebis-Directlink)

#### **Newly licensed:**

## "Arzneimittelinformationen für die Praxis"

The Pharmaceutical Care Research Group at the University of Basel (headed by PD Dr. K. Hersberger) publishes every two weeks the newsletter i.m@il, with short articles about new drugs, therapies, guidelines and side effects. For subscribers the website (which is HON certified) provides a PDF archive of the last ten years. Students of Pharmaceutical Science can use the service for free – limited to one year. For access information please contact Regula Furegati. Staff of the ETH Zurich that want to benefit from the service should also contact her



Unabhängige Arzneimittelinformationen für die Praxis

# FirstWord: All you need to know from the pharmaceutical industry

Are you interested in what is going on in the pharmaceutical area but you have no time to collect the news from various sources individually? Would you like to get them in a neat format once a day via e-mail? Then



Where People Who Know First Go First.

FirstWord may be an option for you. Subscribe to the free daily e-mail newsletter First-Word Pharma and get an comprehensive over-

view on the latest news in pharma. The free version also includes the Breaking News Alerts and the FirstWord Pharma Industry News Edition.



#### App Tip (2)

#### Kännsch

There are

many apps aimed to help you learn Swiss German.

The app "Kännsch" however requires knowledge of Swiss German.

"Kännsch" has been designed to support typing messages in Swiss German on smartphones and



If you like to write in the local dialect on your Android device the app will suggest you the proper spelling, also in Swiss German. New. unknown words can be added to the basic directory of 1000 words. As Swiss German is not a clearly defined language and spelling varies from region to region this is particularly useful. Kännsch is freely available via the Play Store. The app, that is a third-party keyboard, has been developed during a Masters thesis at ETH Zurich.

### Pharmacist's Corner

# The new classification of pharmaceutical sciences is live!

What is special about the Chemistry | Biology | Pharmacy Information Center? Books are freely accessible and shelved not according to numbers but according to research areas.

Thus, e.g., you can walk to the shelves and see what books we have that deal with the history of pharmaceutical sciences or radiotherapy. Frequently especially in natural sciences - new research areas come up originating from new findings and so new disciplines form. Thus the list of pharmaceutical areas - and nothing but this is the classification - needs to be updated from time to time. Exactly this has now been done by the Information Center: we have checked if there are new research areas where ETH Zürich focuses in its research or teaching. The collection of books in pharmaceutical sciences, located just after the entrance on the G floor and to the left, has now been shelved according to the new system - thanks to the efforts of the Infodesk team.

We have left enough space for new books and new disciplines to also be able to develop the collection in the following centuries. The new Pharma Library can be easily recognized by the new signs that now also show second-level areas in pharmaceutical sciences — maybe you will discover topics you actually have not expected!



# The principles of the new classification

The new classification is based on four core areas to show the interdisciplinary of the core and associated topics and to make them easily accessible.

Reference books, encyclopedias and pharmacopoeias (European, Swiss, Japanese, British, US-American, Homeopathic etc.) are at the very top front, left next to the entrance on the first shelf. This is continued with the three occupational fields of pharmacy: community pharmacy, hospital pharmacy and industrial pharmacy, each with a shelf dedicated to introductory literature. Next come the current research areas of pharmaceutical sciences based on the research areas of the Institute of Pharmaceutical Sciences (IPW) and the Master courses (MSc Pharmaceutical Sciences, MIPS - MSc Medicinal and Industrial Pharmaceutical Sciences) as well as the practical year ("Assistenzjahr"). Associated topics such as pharma economics, e-health, health system, medical subject areas, quality management, project management and history of pharmaceutical sciences can all be found on their own shelves.

Books that cover the topics taught during the Bachelor can be found in "Chemistry" (yellow signs – to come) and "Life Science" (green signs).

#### Searching for topics online

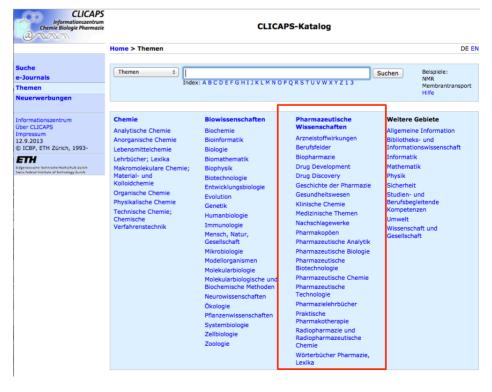
Of course looking for books cannot be done only by browsing the shelves.

You can also use the new classification online. The new classification can now also be found in our OPAC <u>CLICAPS</u>. Just click on a topic and you can start browsing through the new classification for pharmaceutical sciences (see screenshot below). But you can not only browse through the major subject areas: if you click on a subject, then you will also find subdisciplines. You can view all relevant books in a category, print them as list or save it as a PDF document.

We hope that you like the new Pharmaceutical Library and we are looking forward to receiving your comments and suggestions, also for new books that you would like to see in the library. Suggestions and wishes should be directed to Regula Furegati, Information Consultant Pharmacy.

# "Rote Liste"now available via Drugbase

The "Rote Liste" has been made available now for students and staff of ETH Zurich via the platform Drugbase, www.drugbase.de. The "Rote Liste" is a directory of 9000 drugs available in Germany from 500 suppliers and including 35 000 price quotations.

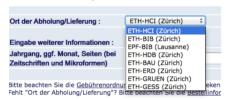


### **News from the Info Center**

#### Did you know: You can borrow our books online

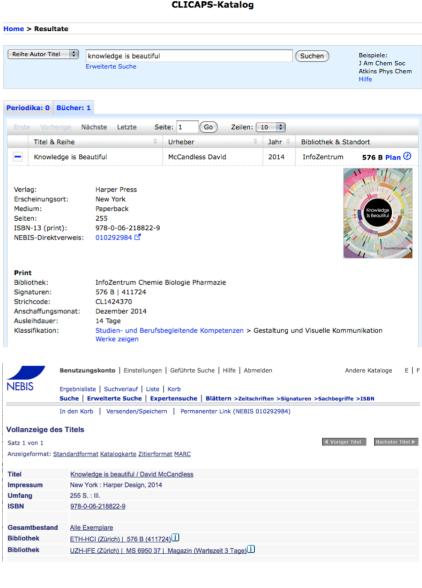
Last fall semester the Chemistry | Biology | Pharmacy Information Center started lending books via the NEBIS network of Swiss libraries. Before that, if you wanted to borrow a particular book then you had to look up the location in the catalogue, go to the Information Center, look for the shelf and the book, take it to the Infodesk. ask for a loan and memorize or write down the due date. Renewals were not possible, at least not off-site.

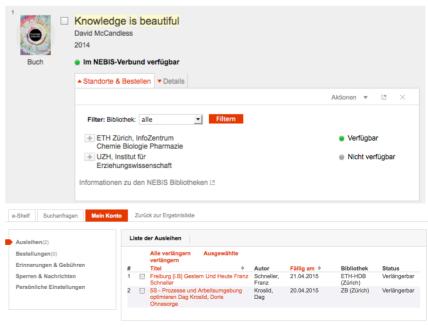
Now you can search for a book, e.g. by the title "Knowledge is beautiful" in CLICAPS (or in the NEBIS catalogue or ETH Library's Knowledge Portal). When searching in CLICAPS, and when being on the results page, click on the blue NEBIS direct link (screenshot top right) and switch to the NEBIS catalogue. There you select the Library, in this case the Information Center – ETH-HCI – (screenshot right) and then "Loan". Again, select ETH-HCI (Zürich) as Pickup/delivery location (screenshot below). Pickup/ delivery is a service that has to be activated – please contact the Infodesk. You will be notified by e-mail once the book is available at the Infodesk or at the ETH Library.



When searching in the Knowledge Portal, click on "Locations and Request" and select the Information Center (InfoZentrum Chemie Biologie Pharmazie) (screenshot right). When looking for a statement of your borrowed books, log into "My account" in the Knowledge Portal or "Sign in" in the NEBIS catalogue. The account statement information are the same but the functionality and design, however, is better in the Knowledge Portal at least in the editor's opinion. Staff of the ETH Zurich also qualify for a socalled Courier service (Kurierdienst). For more information about this service please contact our Infodesk or the InfoCenter of the ETH Library.

#### CLICAPS-Katalog





### News from the Info Center

#### New books in the Information Center – How to know what's new?

The Chemistry | Biology | Pharmacy Information Center frequently buys new and interesting books. Some of the new books are presented in the sofa lounge. However, how can you learn about those – as we think – new and exciting books if you do not come to the Information Center?



Starting in March a selection of newly acquired books is presented on posters equipped with OR codes. If you scan the code, you are referred to the NEBIS catalogue entry where you can click on "Loan" to borrow the book. In addition, you will find those posters also online on our website. Go to the menu "Catalogues - New Books" and select the topic "New Acquisitions". Here you can find and download all posters from the four disciplines we cover, Chemistry, Biology, Pharmaceutical Science and Varia. Those posters do not have a OR code but a hyperlink to the NEBIS catalogue.

### The Info Center has not just non-fiction but also fiction!

#### **Recommendation: The Circle**

Being a scientific library, we naturally acquire only non-fiction books. However, we have started to also buy fiction, in case a book is related to one of

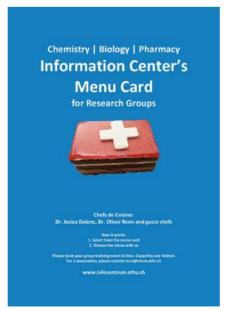


our scientific subject areas - like for instance the novel "The Circle". The Circle refers to recent developments in information and knowledge management and has been published in 2013. Α German

translation is available since 2014 and has also been a bestseller being reviewed in many newspapers. The novel starts by describing the first day of a new employee in the internet company "Circle", which is a mix of Facebook, Twitter, Apple, Google etc. The company constantly tries to more deeply integrate into the professional and private life of everyone, claiming for absolute transparency, however, to be achieved only by using tools from this company. The antagonist is the employee's ex-boyfriend who has to realize that there is virtually no escape from the company's tools and power. A movie is in preparation. Both the English and German books can be borrowed. How can you do so online? Please see page 7.

#### **Research Group Menus**

What is actually hidden behind this unusual term are seminars for research groups that are based on a menu card. However, the selection of starters, main courses, specials or desserts is not for eating but for consuming. The menu card has been sent to all research groups, i.e., the P.I.'s in the D-CHAB. If your P.I. has not mentioned this and you would be interested, please talk to us. The chefs of the Information Center are already fully booked until summer. Therefore, we recommend booking in advance. Menus that are tailored to the needs of D-BIOL and D-MATL are also possible. Printed Menu Cards are available from the chefs, Dr. Jozica Dolenc and Dr. Oliver Renn.



#### **Introducing Info Center staff**

In this issue of Infozine we are introducing another member of Infodesk. The Infodesk team consists of librarians that, among others, answer your questions at the Infodesk, right at the entrance to the library, take care of loans and returns, refer you to members of the team of Information Consultants that can answer your scientific questions or take care that all books can be easily found, e.g. on occasion of the latest reorganization of the Pharma library (see p. 6). Inge Vetsch has been celebrating an anniversary in March 2015, as she has been with the Info Center for 20 years now as an Information Specialist. She has already been part of the team when the Info Center still was called "Chemistry Library", located in the CHN building in downtown Zurich, and she has been involved when the first online catalogues (ETHIS and CLICAPS) came

up. Those systems considerably eased the daily work of the library staff at ETH Zurich. Inge Vetsch has been in charge of the Biology Library, located in the HPM building, until the library became part



of the Information Center Chemistry, developing into Information Center Chemistry Biology. Inge Vetsch, a native of East Switzerland/Zurich, received a professional training as a retail bookseller and then studied ethnology and sociology at the University of Zurich. After several years in publishing and other businesses she moved to the library world. She is passionate about educating young people to be skilled and versatile professionals. When not working, she dances (Flamenco and Rags Sharki رقص), learns Arabian or keeps herself busy studying ancient Mexican culture

In April and May there are many holidays. The opening hours that apply during April & May can be found in an Info Flyer (PDF) on our WebsitY"