

Infazine No. 4

The Magazine for Users of Scientific Informationen

Editorial

Quite some time has passed since the publication of the last Infazine. The break is unintentionally long, but the Chemistry | Biology | Pharmacy | Information Center was, as you can see in this issue of Infazine, simply too busy with other things. As we achieved quite a lot in the last six months there should be enough "steam" in 2014 to get Infazine published more frequently. We extend this hope to our readers and wish you happy, peaceful and quiet holidays and a happy, healthy and successful New Year 2014.



Enjoy both reading Infazine No. 4 and exploring the possibilities of today's information management.

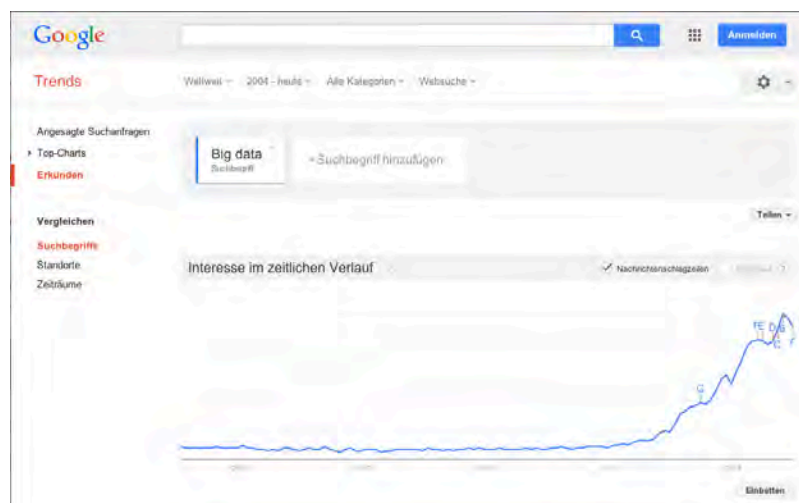
Your Chemistry | Biology | Pharmacy | Information Center

Contents: No. 4 – December 2013

- 2 Recommended journals (2)
- 2 Coffee Lectures: Please vote!
- 2 OA at ETH Zurich
- 4 The Infozentrum-Interview
- 4 Recommended Books
- 5 New features in Scopus
- 5 Question – Answer: ORCID
- 6 & 7 New Website of Info Center
- 6 & 7 App-Tips
- 8 News from the Info Center

Big Data, STM Publishers, Natural Sciences and Humanities – or how many books can you read in your life?

At first glance these five words in the title do not have much in common. Big Data is a buzzword that some people can stand no longer. Scientific, Technical and Medical (STM) publishers are believed to only be interested in increasing revenues thus hindering the free distribution of information. And there is more than enough information. It is known that in the last 300 years scientific knowledge has been growing exponentially (early research from D.J. de Solla). It is also known that the half-life of knowledge is getting rather short being, for example, 10 years in physics and 7 years in psychology (S. Arbesman: *The Half-life of Facts*, Current, 16.95 EUR – available in the [ETH-Bibliothek](#)). Yet it is impossible to deal with the knowledge only by reading. According to Fotis Jannidis from the Institute for German Philology one can read about 4000 books during a lifetime (if this is true the author of this article would be dead by now). Text and data mining is therefore needed, especially in the life sciences, but social sciences are jumping on the bandwagon, too. It is a boom time for Digital Humanities.

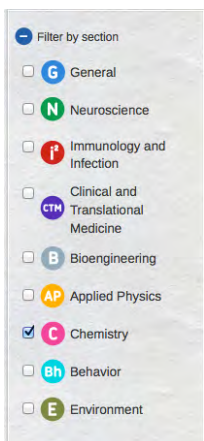


Matthew Jockers, for example, has analyzed the textual information of **3592 English novels** published between 1780 and 1900, and came to the conclusion that Walter Scott and Jane Austen were the two authors that had **the strongest impact**. In the life sciences, however, there is a need for more recent information but publishers had been reluctant to open up the content for mining. In 2012, pharma industry and STM publisher organizations came to an **agreement** on text mining. And just recently, on November 15, 2013 the **STM Association** issued a **press release** that the European Commissioners endorsed the publishers' roadmap on Text and Data Mining (TDM). The roadmap states that „bona-fide researchers at non-commercial institutes are able to use TDM to harness its potential to drive discoveries in medical and scientific disciplines“. Getting back to Big Data, more and more publishers provide tools to be used for handling raw data, e.g. Science Direct with its **3D datasets**, F1000 Research with a **novel data plotting tool**.

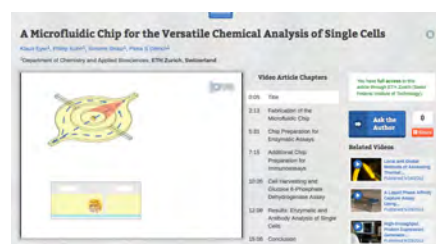
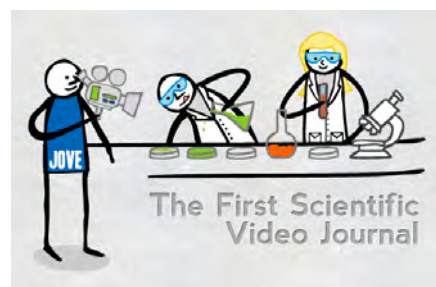
Recommended journals (1): JoVE

Today we would like introduce you to the **JoVE** journal, which is unique in two respects. JoVE is the only video journal we are aware of and also the only e-journal paid by Chemistry | Biology | Pharmacy | Information Center. The Journal of Visualized Experiments (JoVE) is indexed in PubMed and explains methods and experiments not with text and images like a classic paper, but in videos with spoken language and moving images. The articles are published in nine different sections,

five of which are licensed.
Coolness factor: very high.



of which are licensed. The Journal of Visualized Experiments (JoVE) is indexed in PubMed and explains methods and experiments not with text and images like a classic paper, but in videos with spoken language and moving images. The articles are published in nine different sections,



infozentrum.ethz.ch without the link list

Our new website no longer has the link list. In case you miss it: In early 2014 we will add an archived directory of the links as a PDF brochure (within the "Publications" menu). Please note since the end of 2012 the links are no longer maintained.

Coffee Lectures – 10 minutes worth your time Help us find the topics for the next lectures!

In early December the Info Center introduced the Coffee Lectures: Short, if possible entertaining, presentations that last no more than 10 minutes. In each lecture we cover a database or tool, always with a hands-on approach. Each lecture is complemented with coffee, which is provided and prepared by the Info Center. Thus, join us on Tuesdays, Wednesdays and Thursdays at 1 pm in the seminar Room G2 and get your coffee after lunch. The Coffee Lectures will be continued early next year. Please watch out for the announcements on our website, the event calendar of the ETH Zurich and the display in the HCI lecture hall building. The events can also be found in the SharePoint calendar of D-BIOL.

The next nine ... We want your vote! Which topics should be covered in the next Coffee Lectures?

Would you like us to cover a certain topic in the Coffee Lectures? Do you want us to repeat a lecture you could not join? Please go to https://de.surveymonkey.com/s/Coffee_Lecture_EN and enter your wishes or send an e-mail to renn@chem.ethz.ch.

Open Access at ETH Zurich – new contents, new design

The ETH Library has completely revised their information service on open-access publishing. You can now find the **Open Access at ETH Zurich** website within ETH-Bibliothek's Knowledge Portal.

This website will inform you in detail about publication possibilities for the members of ETH Zurich and report on the latest developments from the open-access movement. The pages now contain a compact summary of all the information on publishing in the **ETH E-Collection**, ETH Zurich's institutional repository.

A link to those sites can also be found from our new website at **Services > Scientific publishing**.



Reaxys PhD Prize 2014

The Information Center would like to draw your attention to the Reaxys PhD Prize.



The Reaxys PhD Prize is awarded for original and innovative research in synthetic chemistry, which demonstrates excellence in methodology and approach by a candidate currently doing a PhD or having completed a PhD after January 1, 2013. Each year submissions are reviewed by leading experts in their fields who select the 45 finalists. From these, 3 winners are then chosen to receive the main prize. The finalists are invited to the prestigious **Reaxys Prize Club**.

Submissions close February 14, 2014. More information can be found at <http://inspiringchemistry.reaxys.com/phdprize>.

Everybody has the right to an education

6 questions, today to Lydia Kaufmann (24), studying Biology with a Chemistry major



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

I take time for sports and schedule breaks – those breaks can last only a few hours, an entire day or even a weekend.

If my motivation is lost, I recall why I decided to take this road, why this this scientific area is of interest to me.

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

Personally I am in favor that research is ongoing in many different areas as thus not just an unilateral scientific picture of nature is depicted. If research is not limited to certain fields, it is possible to connect the various disciplines. The direction, however, is very much impacted from the methodologies that are applied.

3. Which book would you like to recommend?

The youth novel “Leihst du mir deinen Blick?“ by Valérie Zenatti (*Editor's note: The book from 2005 deals with the Middle East conflict. The novel describes the friendship between two young people from Jerusalem and Gaza. The English title is: A Bottle in the Gaza Sea.*)

4. Which Information resources besides Google and Wikipedia do you know?

Now, in the third year, I use PubMed. Searching for papers is getting important if I have to prepare a presentation or if I want to study a certain topic more in depth. Also helpful is the library catalog. If I need to understand chemical reactions, I check with the appropriate chemistry books.

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

Everybody should have the right to receive an education, regardless of his or her social rank. As well I would like to see professions with low wages more acknowledged and appreciated.

6. Where is your favorite place at the ETH?

Both in the city and on the Höggerberg there are cool places. On the Höggerberg, I recommend the herb garden between the third HCI finger and the HPH building. At Höggerberg I particularly like the proximity to the forest. In the city, I like the Polyterrasse because of the views.

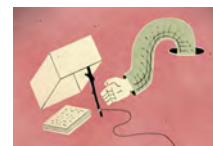
Mike Gadiant conducted the interview. Would you like to answer our questionnaire and receive an original Info Center memory Stick? Please contact Jan Wyler (wyler@chem.ethz.ch)!

Fake Publications

It's been a while and the story already made it into the daily press, but for those who may have missed it, here it is summarized in brief:

An American science journalist reported in the journal *Science* (2013;342:60) that he had created 304 different versions of one fictitious paper and sent it to the editors of 304 journals. The paper described the effect of a lichen extract in the treatment of cancer, the authors being faked scientists from faked research institutions in Africa. The work contained serious errors, which should have been noticed by a proper peer-review process.

By the time the *Science* article was published, 157 journals had accepted the publication and only 98 rejected it. This article in *Science* received a lot of attention and even caused fierce discussions as the author had tested Open-Access (OA) journals only, and the OA movement believed this was to discredit OA (see p. 2 for additional information on OA).



Research Reports in „ETH-Bibliothek's“ Knowledge Portal

Now you can search for and order research reports from the National Technical Information Services (NTIS) directly on the Knowledge Portal of the ETH Library. The NTIS database includes over 2 million bibliographical entries on predominantly American reports, as well as research reports from other institutions such as NASA, DOE or ESA. The main themes covered are energy, aeronautics and nuclear technology stretching from the 1960s to the present day.

After completing the search, select the “Articles, Reports” tab. You can narrow down the list of results, which are organized by year, according to the “Reports” document type. The "Order report" link in the detailed overview of the research results takes you straight to the order form. [Read more.](#)

Scientific Photographs from the Image Archive, ETH-Bibliothek

Ever since its early days, photography has been an instrument and object of science and research. The recently published book "Science in Sight: Scientific Photographs from the Image Archive, ETH-Bibliothek" examines the role photography has played at ETH Zurich. Containing some 200 photographs, the book from the "Pictorial Worlds" series affords a glimpse into selected aspects of this complex relationship through the viewfinder of ETH Zurich. The book features previously unpublished historical scientific photographs from ETH Zurich's Institute of Photography founded in 1886 and other image archives from ETH Zurich professors and institutes.

The book can be purchased in the [reading room of ETH-Bibliothek's Collections and Archives](#) or at [booksellers](#). A selection of photographs can be viewed at the [Bildarchiv online](#).



ETH professor Hans Eduard Fierz (l.) in the Inorganic and Organic Chemistry Lecture Hall (1917)

Imprint

Infozine is published online 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
© Chemistry | Biology | Pharmacy Information Center 2013

Scirus will go away in 2014

Scirus is a comprehensive science-specific search engine, owned and operated by [Elsevier](#) and launched April 1, 2001. A short announcement in the website states Elsevier's decision to discontinue the service:

We are sad to say goodbye

Scirus is set to retire in early 2014. An official retirement date will be posted here as soon as it is determined. To ensure a smooth transition, we are informing you now so that you have sufficient time to find an alternative search solution for science-specific content.

Thank you for being a devoted user of Scirus. We have enjoyed serving you.

SCIRUS
for scientific information only

Extended opening hours during the semester break

During the semester break the Information Center has extended opening hours for ETH members. Detailed information can be found on our website, in our Infobox next to the entrance or summarized below:

Mo–Fr 8–22
Sa 9–19 (9–22 Uhr*)
So 9–19 **
** only 18.1., tentatively also 25.1. and 1.2.2014
** only 19.1., 26.1, 2.2.2014

As of 17.2.2014, Info Center will be back to regular opening hours from 8–20.

Main Building is now open also on Sundays

On the intranet, a little bit hidden, you can find the news that the main building of the ETH Zurich (HG), as well as parts of the ETH-Library, is now also open on Sundays. If you need a place to learn in the center, [here](#) is the link to detailed information.



Recommended Books

Within the ETH network you have access to many e-books. Did you know that this includes not only heavyweight scientific books, but also popular science and business books? If you are interested in Apple: On January 31, 2014 the book „[Das Apple Imperium](#)“ by Nils Jacobsen will be available in print. You can, however, already download the e-Book – provided you are on the ETH network – as it is included in ETH Zurich's Springer license. Learn what the business journalist has to say about the rise and possible fall of Apple.

You will find the book in SpringerLink: <http://link.springer.com/book/10.1007%2F978-3-658-01424-7>.

Please observe the copyright information as shown below:

As a courtesy to our readers the eBook is provided DRM-free. However, please note that Springer uses effective methods and state-of-the-art technology to detect, stop, and prosecute illegal sharing to safeguard our authors' interests.

More book recommendations (German only):

Faszinierende Physik

An illustrated walk from the universe to the world of fundamental particles.

Lehrmeister Ratte

What we can learn from the most successful animals in the world.

Das verrückte Mathe-Comic-Buch

75 graphic novels covering 25 topics from mathematics – fundamentals and higher math. Funny, weird and crazy.



New functionalities in Scopus

In the last few months **Scopus** has released new features that should make the life of scientists easier.

Scopus



November: Mendeley Importer

Scopus users who are also Mendeley users can now import up to 200 documents at a time to their Mendeley Library via Scopus. The Web Importer retrieves all relevant metadata for the documents being viewed. This development follows the successful integration of the Web Importer with ScienceDirect which was announced in September on. To learn how to install the Web Importer, visit Mendeley's blog post on the subject: www.mendeley.com/import/.

Oktober: Scopus Apps

The Scopus Alerts apps – both the free one for institutional subscribers and the paid one for nonsubscribers – have been updated. The new version comes with solved citations retrieval issue on iOS6, improved graphics (retina display) and fixes for new iOS versions. The Scopus app will work on any device with iOS 4.3 or higher and it has been optimized for the iPhone 5. As the ETH Zurich has access to Scopus (and Mendeley) you can use this app for free with a Scopus.com username and password.



Scopus Alerts App free:

<https://itunes.apple.com/en/app/sciverse-scopus-alerts-institutional/id365300810?mt=8>

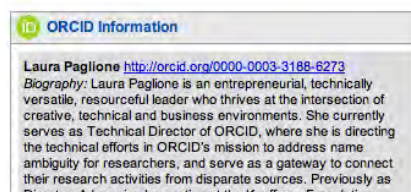
Scopus Alerts App paid:

<https://itunes.apple.com/en/app/sciverse-scopus-alerts-individual/id417735089?mt=8>

August: Books in Scopus, further linking in ORCID

As of the [August release](#), books content – at the book *and* chapter level – has been visible in [Scopus' interface](#). By end of the year, Scopus will have ca. 20,000 books present and expects to fully index 75,000 books by the end of the project. Also, a search can now be limited to books, book chapters or both. When you open a chapter screen, you will see all of the other chapters within the book listed in a viewing panel on the right-hand side of the page.

A year ago – see the brief explanation on the right – ORCID was launched. Scopus has supported ORCID in several steps. The first effort was the [Scopus2ORCID Feedback Wizard](#), which allowed researchers to associate their Scopus Author Identifier to their ORCID and import papers from Scopus to his/her ORCID profile. The application has helped more than 28,500 researchers create their ORCIDs, and between them, they've exported nearly 1.2 million article records. Next, the "Add to ORCID" functionality visible on the Scopus Author Details pages was launched. With the August release, the ORCID Information app/feature went live to all Scopus users. The more than 28,500 Scopus Author Identifiers that are associated with an ORCID now link to ORCID and display all public information.



Lastly, the August update brought the possibility to set up a search alert for an ISSN and receive an e-mail whenever Scopus indexes new documents from that source. This is useful in the (few) cases where the publisher does not provide eToCs.

July: Export limits increased

Users can now download (up to) 20,000 records at a time instead of 2000. Once the selection has been made, an email with a link to download the CSV data set will be sent to the user.

The Coffee Lecture Video

You can still not imagine what a Coffee Lecture is? Even shorter than a Coffee Lecture, just 56 seconds long, is the entertaining video that we have produced for the launch of the Coffee Lectures. You can find the video on YouTube – check the ETH Channel or simply search for "Coffee Lectures". You can also just click [here](#). Enjoy watching.



Question – Answer

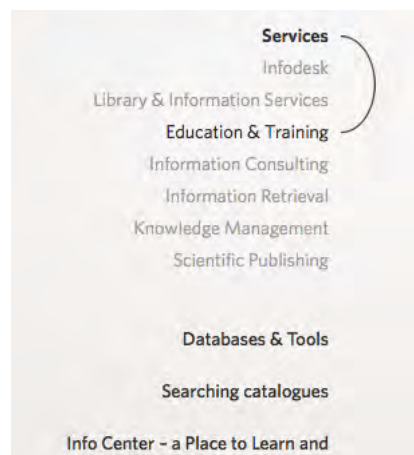


Die **ORCID** (Open Researcher and Contributor ID) is a nonproprietary alphanumeric code to uniquely identify scientific and other academic authors, allowing the electronic assignment of publications and authors. This is aimed to solve the problem that names are not unique, they can change (such as with marriage), have cultural differences in name order, contain inconsistent use of first-name abbreviations and are written differently in different databases. According to ISO 27729, developed by the International Standard Name Identifier (ISNI), each ORCID identifier consists of 16 characters. ORCID strives to develop it into the standard for identification of scientific authors and has been initiated by the "Open Researcher Contributor Identification Initiative", whose founding members are numerous scientific Publishers as well as Research Organizations (e.g. EMBO, CERN).

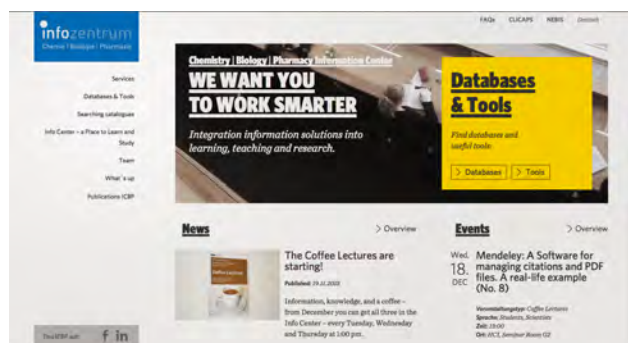
The Info Center has a new website

For many years, even decades, the Info Center's website perfectly met your needs. Now it is time for a new website. Not only did the design look a bit outdated, but more importantly, we were hardly able to present our services in a clear manner. Yet our aim is to support you in the best possible way, no matter whether you are a student, lecturer or researcher and we hope that our new website will serve this purpose. While the website is, of course, also available to the public, access to the licensed databases and tools is only possible from the ETH Zurich network, i.e., you have an IP address from the ETH Zurich.

On November 20, 2013 our new website went live. Together with Get-designed, an external company for web solutions from Vienna, we developed the concept of an information hub that, as the English headline says, allows you to work smarter. Or, as the German headline says, gets you to information solutions with one click. Consequently, no search function for the site's contents has been implemented and we limited ourselves to just two navigation levels. Access to Tools and Databases is in the center of the website, where you can also find News and Events. Important links, e.g., to CLICAPS, are top right. Our services can be found in the first-level navigation "Services" and "Info Center – A Place to Learn and Study".

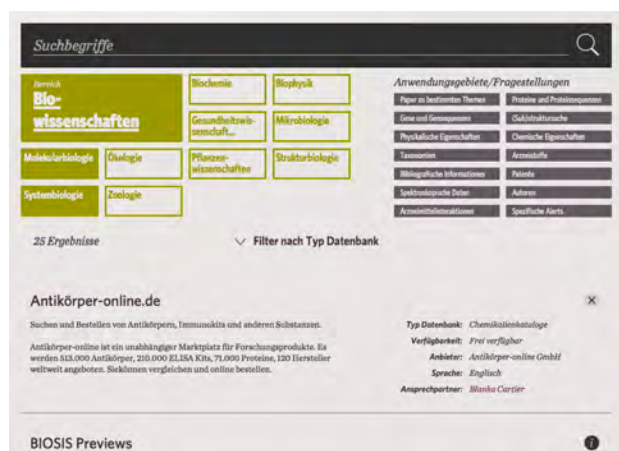


The navigation on our website is very simple as the curved lines in the navigation always show you where you are.



Databases

Access to Tools and Databases is in the center of the site and highlighted with a distinct yellow color. "Databases" replaces the list of databases that could be found via the "Online Information" menu on the old site. It is much easier to find the right database now. If you already know which database you want to access, simply type the first letters of the name of the database on the search line. If, however, you do not know which database could help you answer your question, you can now easily filter, i.e., do a faceted search. Ideally, the number of suggested databases is lower at each filter step, and finally only the databases that match your question are displayed. You can limit your search according to the four disciplines the Info Center supports – chemistry, biological sciences, pharmaceutical sciences and materials science. For chemistry, biological sciences and pharmaceutical sciences additional subject areas are available. Additionally, there is an option to filter the results according to the Research Area/Question. Last but not least you can – but don't have to – limit the results according to the type of database. With a click on the "i" on the right you can open up detailed information on the database. Thus, you can see all the relevant information immediately and find the Info Center's contact person for a particular database.



The A to Z list of databases is also still available. Did you manage to find it? If you do not select any filter all (81) databases are presented in an alphabetical order (except those we top-ranked).

Continued on page 7

Notebook Apps

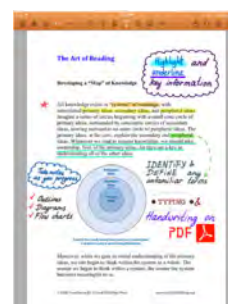
In the last Infazine we announced that we will present Apps that may replace your printed notebook.

Noteshelf and **Bamboo Paper** are the two apps that are used by Information

Center's staff. Both Apps require an e-Pen, a capacitive stylus, because it isn't very comfortable to write with your fingers.



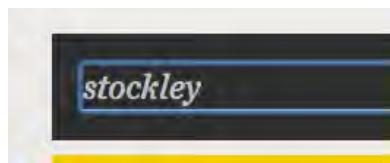
Noteshelf (CHF 5.00) allows you to create as many notebooks as you want, with numerous layouts and page designs. You can also embed photos and images – in brief: you can design colorful notebooks.



Continued from p. 6.

Searching for databases with keywords

You can also search for databases by entering keywords. The keywords were assigned to each database by the Info Center and therefore do not need to be words from the short or full description of the databases. This “intelligent” search is not yet fully operational – we will need additional time and a relevant number of queries to improve its functionality.



Tools

The “Tools” module is totally new. In it you can find software, apps, web tools and other digital devices that help you when working with information and managing information. “Tools” has been programmed similar to “Databases”. You can search, filter and limit the results as when searching for databases. However, the Research Areas/Questions are, of course, different. Since we managed to enter only a limited number of tools on the launch day, the number of tools will still grow considerably in the future.

Do you miss a certain database or tool?

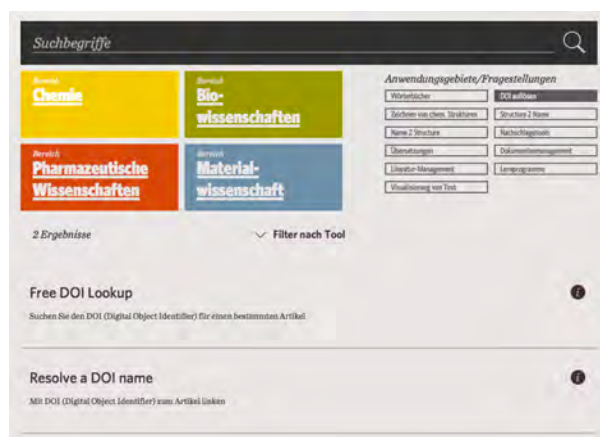
Please do not hesitate to send us your suggestions to renn@chem.ethz.ch. We are happy to add your favorite database or tool.

Events

Also new is the dynamic module “Events”. There you can not only find our education & training events but also webinars from publishers and trainings from the ETH-Bibliothek. In this module you can also filter according to the type of event or target group. The calendar import function, e.g., into iCal or Outlook, will be added in due course.

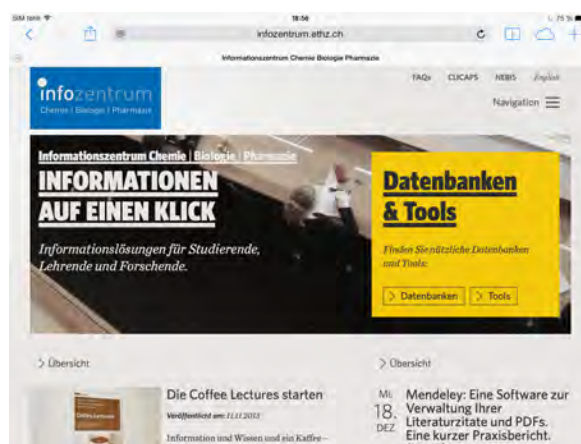
News

News from the Info Center are now presented also with images and thus more visible and appealing.



Optimization for different screen sizes

The website, which on the launch day was optimized only for smaller screens such as the iPad, has now been optimized for all kinds of devices. If you are working on a large screen, you can use the navigation tree on the left and the sitemap navigation at the end of the page. On a tablet you can use the navigation button top right or the sitemap navigation top bottom. The site has now also been optimized for smartphones. Please note that it is not the screen size but the size of the window which determines how the website will be presented. If you work on a 27-inch display and you can not see the navigation tree on the left, you opened our website in a window that is too small. Use the mouse to enlarge the window horizontally – and the navigation bar shows up.



Website as displayed in an iPad

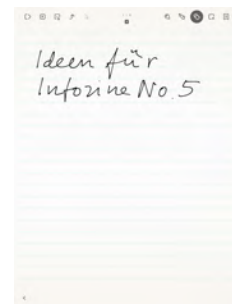


Website displayed on a smartphone

On a smartphone, the modules Databases and Tools can be accessed only via the navigation icon. However, you will most likely not want to perform a database search on your phone. Are you missing something? Please let us know – we will certainly try our best to integrate your wishes.



Bamboo Paper has similar functionality and offers three types of notebooks ranging from “Inspiration”, “My Notes” and “My sketches”. Bamboo Paper even wants to know whether you are right or left handed. Bamboo Paper is the free app from the manufacturer of Bamboo Stylus – but it works with all kinds of e-pens.



Tips for Android Apps can be found in a [New York Times](#) article.

Would you like to recommend an app? Send us an e-mail!

Are you looking for an App for a particular purpose? Do ask us!

Introducing Info Center staff

Just recently, on September 1, 2013, **Dr. Jozica Dolenc** has joined the Info Center Chemistry | Biology | Pharmacy. She is the successor of Dr. Martin Brändle, who left the Info Center to reorient himself professionally. He had a major impact on the Info Center during the last 15 years – and we would like to take the opportunity to thank him for his long standing contributions.

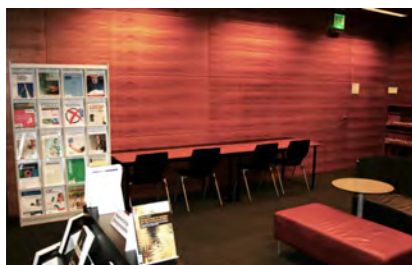


We are pleased that Jozica Dolenc, originally from Slovenia, has switched to the other side and now takes the chemist's perspective as an information

scientist. We are confident that this will work out well as she has been an active scientist at ETH Zurich for 6 years, lastly as a Senior Scientist at Prof. Wilfred van Gunsteren's research group. Some students will already know her as she already took over some lectures in the winter semester related to the chemistry courses. If you have any questions dealing with chemistry information please do not hesitate to contact her. More information can be found on our web site under "Team".

New Desks on the H floor

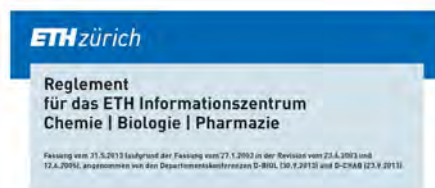
Since the fall we provide some additional desks on the H floor, both left and right of the print journal displays in the Sofa Lounge. The tables are equipped with sockets – you need to open the black cover to be able to use them.



Infozine can be found as a PDF for downloading on our website www.infozentrum.ethz.ch (under "Publications").

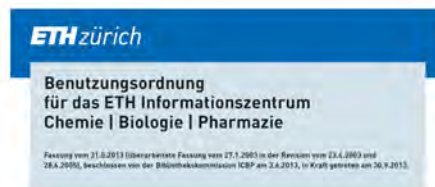
Terms of Use & Regulations of the Info Center

The Information Center has revised the terms of use for the library (Benutzungsordnung) and the regulations (Reglement). The updated documents that have been endorsed by the Department Conferences of D-CHAB and D-BIOL can be found – already in the new Corporate Design – at our website, either through the Imprint or via "Publications".



1. Allgemeine Bestimmungen

Art. 1. Geltungsbereich



Neues von CLICAPS

With the launch of the new website also CLICAPS, the catalogue of the Information Center, received a major revision by Dr. Martin Brändle. This was particularly necessary as CLICAPS had to be upgraded to a higher version of FileMaker in order to keep the system running in the future. The revision required a major reprogramming and on this occasion everything related to a classical library catalog was consolidated in CLICAPS. Books, print and e-journals, topics as well as topic alerts and other feeds, e.g., for new books, can now be found together at www.clicaps.ethz.ch. Anything that is not part of the catalogue system can be found at www.infozentrum.ethz.ch.



Our Info brochure is now also available in English

The info brochure of the Information Center is also available in English since the fall. You can find it on our website via "Publications". Printed copies are available at the Infodesk.



LinkedIn-Group of the Information Center

Once again, a bit of in-house advertising for our [LinkedIn group](#), which could still have more members. As LinkedIn surpassed the number of 1 million members in Switzerland there should be enough members of ETH Zurich who qualify for joining. This group is namely a closed group, i.e. only those who are affiliated ETH Zurich can be members. Other than FaceBook, our target group is not students but PhD students, post-docs, senior scientists and professors. Be assured that the Information Center will not use this channel to spam you with (useless) information, we will post only limited and carefully selected news. The link to LinkedIn can be found on our [homepage](#) at www.infozentrum.ethz.ch. For students that use the Information Center as place to learn, study – and relax – there is also the [FaceBook link](#) on our homepage.

Subscribe to Infozine!

Newsletter/Infozine jetzt kostenlos abonnieren:

Ihre E-Mail Adresse

abonnieren

Would you like to receive the new issues automatically? Please use the subscription box on our home page.