

Infazine No. 19

The magazine for users of scientific information

Can artificial intelligence save Peer Review?

There are many authors who publish scientific articles but it is a relatively small group of researchers who share the workload of peer-reviewing manuscripts. Doing a decent peer review takes time, and researchers who proved willingness and quality get an increasing number of requests – more than they can handle. A few journals and publishers now test if artificial intelligence (AI) can support or even substitute human peer-reviewing. If you want to learn more about the latest developments, a recently published article in *Nature* summarizes current trials and pitfalls. This paper has gained already an Altmetric Score of 448, which proves that this is a hot topic. The *Altmetric Summary* provides an overview on where and how the topic is discussed.

This Infazine No. 19 has been written without AI, but translated either into the German or English version using DeepL, a free translation software that uses AI.

We wish you very relaxed holidays and a good start into the year 2019.

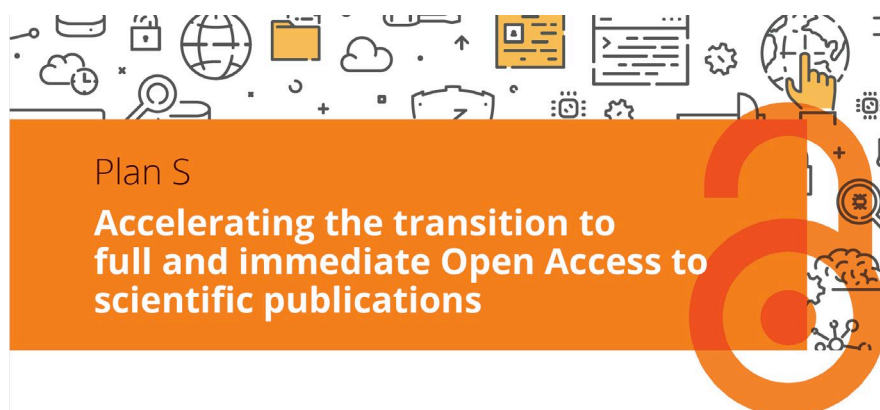
Your Chemistry | Biology | Pharmacy Information Center

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Plan S: science, speed, solution and shock

Plan S is an initiative for – finally – changing scholarly communication into open access and open science by January 1, 2020. Plan S has been launched by Science Europe on September 4, 2018, by **cOAlition S**, an initiative of major European Research agencies and funders. While there is no explanation on what “S” stands for on their website, the driver of Plan S, EU commissioner Roberts-Jan Smits explained in a news story published in *Nature* that “S” stand for “science, speed, solution and shock”.



The plan consists of 10 key principles, which funders and researchers must obey by January 1, 2020 – partly shocking ones for publishers. The principles show the signature of those who believe that the time for journals is over – after 350 years – and one should move now to open science and no longer publish final results in papers but make the entire research process transparent by using research platforms. Consequently, the key principles talk about journals or platforms. Naturally, all research must be published with an open license, preferably CC or CC BY. APCs should be capped, and paid by universities or funders but not authors. Hybrid journals, i.e. up to 85% of all journals, are no longer eligible for publishing. Thus, scientists can no longer publish in e.g. *Science*, *Nature*, *Angewandte Chemie*, *JACS*. Societies and publishers must flip their journals within one year, although the latest *Guidance on the Implementation of Plan S* mentions now a transition period. Similarly, key principle 7 states an extended timeline for “books and monographs”. The plan frequently mentions repositories, but also the *Guidance* is not clear about if it would be sufficient to publish a pre-print e.g. in ChemRxiv. If you are in favor of Plan S, you are asked to provide **feedback**, helping them to foster the disruption. If you are against it, you may sign an **open letter** initiated by biochemist Lynn Kamerlin, which quite a few scientists have signed (see also coverage in *Nature*). If you own publishers’ shares, you should follow the **UBS recommendation** “sell”, as “there has been enough of friendly words” (Ralf Schimmer, Max Planck Society) and the rip-off must be stopped, as *Guardian* columnist **George Monbiot** writes.

The Infazine Interview

The wish: An eidetic memory

6 questions, today to Melina Eisenring (22), 5. semester biology



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

Doing research on plastic and possible alternatives. The plastic particles in the oceans are an environmental disaster. We must find measures to remove it from the environment, and we need biodegradable substitutes to get plastic out of our everyday lives. This is, of course, difficult as plastic is such a versatile material and used in almost all areas of life today.

2. Where is your favorite place at ETH?

At the sofas in the Information Center's lounge. You can read or sleep without being disturbed.

3. When do you consider a lecture fascinating?

If the lecture is about current research topics and we are taught things that are new to us. The old-fashioned foundations of math are less appealing to me. But especially when it is about the fundamentals of cell biology, particularly for cancer research – then it is really exciting.

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

I take a little walk and listen to good music. If it's getting really bad and I am getting sleepy, a short nap can do no harm.

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

An eidetic memory (I was surprised myself that one writes it like this)! It would certainly make the learning phase easier. (Editor's note: [Wikipedia](#) reveals what it is, and in [Scopus](#) there are 220 hits on eidetic memory and 6 hits on „eidetic memory“ (in quotation marks as a phrase – an alternative search tool would be [Qinsight](#)).

6. Which book would you like to recommend?

„The Perfume“ by Patrick Süskind. Simply a classic. Anyone who hasn't read it should do so. It helps to free your head and mind if you read a book that is not specialized literature. (The book can be borrowed in several versions via the [knowledge portal of the ETH-Bibliothek](#), with delivery to the [info desk of the Information Center](#)).

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

New Journals

Journal of Controversial Ideas

There are not only green, golden, bronze and diamond Open Access journals but many other types of journals. Now a new type is supposed to come along. Here it is not the reviewers who remain anonymous, but the authors. The *Journal of Controversial Ideas* promises that it will keep the names of the authors anonymous. By doing so, the journal hopes to attract researchers who want to publish research and hypothesis that might be received at least controversial – without having to fear getting bullied or threatened.

OA journals in chemistry

Possibly as a consequence of Plan S (see p. 1) there are more publishers now focusing on new chemistry OA journals. Traditionally, chemists tend to publish in their society journals which are mostly not Open Access journals, as these publications are an important revenue resource for a society.

Chemistry Central Journal to be renamed to BMC Chemistry

Chemistry Central Journal will be renamed to BMC Chemistry in January 2019. The journal will join the [BMC series](#) as its first chemistry title.

4open publishes its first article in chemistry

[4open](#), a multi- and inter-disciplinary Open Access journal, has published its first article in chemistry.

Trip Database

At ETH Zurich, you have access to numerous free and licensed databases, also in the biomedical field, like e.g. PubMed, Qinsight. Here is another one: Trip. [Trip](#) is a clinical search engine designed to allow doctors to quickly and easily find and use high-quality research evidence to support their practice and/or patient care. Trip has been online since 1997 and claims to be a premier internet source of evidence-based contents. As well as research evidence Trip also allows clinicians to search across other content types including images, videos, patient information leaflets, educational courses and news.

News from the ETH Library

■ 17,000 videos added to Search Portal

You can now search for videos from ETH Zurich's [Videoportal](#) on ETH Library's Search Portal. The Video portal comprises 17,000 recordings of events and lectures that were produced by ETH Zurich's Multimedia Services and can be viewed on the Videoportal. Over half of these videos are freely accessible – labelled as “open access” on the Search Portal. Moreover, using the Search Portal to search for these videos offers you various filter options, such as by creator, date and series.

■ Data Management Plans for the SNSF

For one year now, applications must include a Data Management Plan (DMP). The DMP is created online in [mySNF](#) and is considered a draft at this stage. It should be updated during the course of the project and must be available in its final form at the end of the project, at the latest.

ETH Library's Research Data Management team supports researchers at ETH Zurich in creating their DMPs and offers advice as well as reviews of individual DMPs.

Learn more through the website [research data management](#) or contact data-management@library.ethz.ch.

■ ORCID author identifiers in the Research Collection

The Open Researcher and Contributor ID (ORCID) allows researchers to be identified unambiguously and publications to be attributed correctly to people – which is now possible in ETH Zurich's Research Collection, too. Since mid-2017, members of ETH Zurich have been able to link their ORCID to the ETH Zurich profile at www.adressen.ethz.ch.

Now you also have the option of assigning your ORCID to your publications in the Research Collection. And, in our opinion, particularly useful: You can now import publications into the Research Collection from your ORCID profile. ORCID is a persistent, unique and internationally recognized

identifier for academic authors. By using ORCID, you are supporting the correct and complete attribution of your publications to your name and facilitating the data flow between the Research Collection and ETH Zurich's websites.

The [Research Collection](#) is ETH Zurich's publication platform, where members of the university can publish academic full texts open access and archive research data or make them publicly accessible.

■ ETH Library covers publication fees for open-access publisher Cogitatio

Cogitatio publishes the journals Media and Communication, Politics and Governance, Social Inclusion, and Urban Planning.

■ ETH Library's Search Portal with new design

The newly relaunched Search Portal enhances ETH Library's website since summer with a new look and feel at <https://search.library.ethz.ch>, bringing

- better visibility of online resources for members of ETH Zurich
- freely accessible documents, even from outside ETH Zurich, indicated with an open access symbol
- indication of papers that have undergone a peer review process
- paper citations displayed
- advanced filter options
- advanced referrals to websites with information on people searched for
- clearer design of the user account
- improved display on mobile devices

A special service for members of ETH Zurich: Wherever possible, a link leads to the platform [BrowZine](#), where the latest journal contents are listed clearly, independently of the publisher platforms.

■ Idea Contest ETH Library

Die ETH Library is searching for ideas to improve its existing services and develop new ones.

- **Student Challenge:** What do you feel is a challenge for you in everyday university life? Are there any future services provided by

ETH Library that could help you overcome those challenges?

- **Research Collection:** How can ETH Library support you more effectively when it comes to publishing your research output? Do you have any ideas for new features and the further optimization of the Research Collection, ETH Zurich's publication platform?
- **Data Challenge:** What use cases are there for data provided by ETH Library in your work and your research or teaching activities? How can we optimize the range of data further for your needs? How can the use of data be simplified and rendered more efficient?

Submit your ideas by 31.12.2018 at <http://www.library.ethz.ch/ideas>!

Enter the contests with your ideas and win a voucher of your choice from ETH Store, Projekt Neptun, SBB, or Swiss Book Vouchers worth up to CHF 300.

■ Borrow tools from ETH Library

ETH Library now – in cooperation with the [Student Project House](#) and Robert Bosch AG – loans out portable electric tools, complete with all the accessories. These



include pad sanders, impact screwdrivers or hammer drills. A list of all the devices is available at the [Search Portal](#) of ETH Library. Loan requests are made via e-mail. Further information is available on ETH Library's [website](#).

News from Scopus (1)

The latest update of A&I database Scopus (www.scopus.com) once again brings a lot of new functionalities:

1. „Topic Prominences“

A Scopus topic is a collection of documents with a common intellectual interest – a “research problem”. Topics can be large or small, new or old, growing or declining. Topics are dynamic and can evolve and also new topics can be born. Many topics are inherently multi-disciplinary. Old topics may be dormant, but still exist. Researchers have mobility and can contribute to multiple topics (right top and middle). So far, 100k Topics computed by SciVal based on citation network analysis can be found in Scopus. Each Topic is associated with a Prominence score (based on citation counts, Scopus views and average CiteScore) representing its momentum.

SciVal Topic Prominences will be located on the Scopus’ Record Pages: Each article covered by SciVal is associated with one Topic. SciVal Topic Prominences are meant to improve the search and literature discovery journey and help authors showcase their contribution to a specific research topic.

2. Analyze Author Output – redesign of page layout

The “Analyze author output” tool in Scopus has been redesigned to replace the current tabbed view with a new dashboard view.

This allows users to get a more comprehensive overview of the various graphs for their respective document set.

- You can move to a different graph by clicking on the respective mini-graphs below the main graph.
- Zooming in on a line graph is possible by clicking and dragging a section in the graph.

The “Documents” graphs have been rolled into a single mini-graph. When a user clicks to expand the mini-graph, the default display will be “Documents by Source”. Any other mini-graphs (related to author output) can be expanded clicking on them.

The evaluation of research output is, thus, easier and more comfortable.

Document details

Metrics

- 0 Citations in Scopus
- 0 Field-Weighted Citation Impact
- PlumX Metrics: Usage, Captures, Mentions, Social Media and Citations beyond Scopus

Cited by 0 documents

Inform me when this document is cited in Scopus: [Set citation alert] [Set citation feed]

Related documents

- Structural basis for backbone N-methylation by an interrupted adenylation domain
- Mori, S., Pang, A.H., Lundy, T.A. (2018) *Nature Chemical Biology*
- Unveiling the mystery and beauty of organic fluorine
- Müller, K.

SciVal Topic Prominence

Topic: Proteins | Crystallography, X-Ray | molecular replacement

Prominence percentile: 94.103

Proteins | Crystallography, X-Ray | molecular replacement (T.2063)

Year range: 2013 - 2017

Representative documents

- Techniques, tools and best practices for ligand electron-density analysis and results from their application to deposited crystal structures
- Pozharski, E., Weichenberger, C.X., Rupp, B., ... (2013) *Acta Crystallographica Section D: Biological Crystallography*
- Cited 65 times
- FEM: Feature-enhanced map
- Afonine, P.V., Morarty, N.W., Mustyakimov, M., ... (2015) *Acta Crystallographica Section D: Biological Crystallography*
- Cited 65 times
- Robust structural analysis of native biological macromolecules from multi-crystal anomalous diffraction data
- Liu, Q., Liu, Q., Hendrickson, W.A., ... (2013) *Acta Crystallographica Section D: Biological Crystallography*
- Cited 53 times
- Protein crystallography for aspiring crystallographers or how to avoid pitfalls and traps in macromolecular structure determination
- Wlodzawer, A., Minor, W., Dauter, Z., ... (2013) *FEBS Journal*
- Cited 46 times

Top authors

Author	Scholarly Output
Adams, Paul David	26
Terwilliger, Thomas C.	19
Dauter, Zbigniew	23
Afonine, Pavel V.	18
Giacovazzo, Carmelo G.	18

Keyphrase analysis

Crystallography, X-Ray, Proteins, Methods, Solutions, Crystallography, Enzymes, Ligands, Molecular, Structure, Databases, Automation, Software, Engineering, Synthesis, Molecular Dynamics Simulation, Molecular Structure, Databases as Topic, Catalysis, Protein Conformation, Molecular Dynamics Simulation

AAA relevance of keyphrase | declining AAA Growth

Analyze in SciVal

Analyze author output

About analyze author tool

Wennemers, Helma

ETH Zurich, Zurich ZH, Switzerland

Author ID:6602103811

Documents by source

119

Source	Documents
Angewandte Chemie International Edition	18
Journal Of The American Chemical Society	13
Chemistry A European Journal	10
Chimia	10
Chemical Communications	7
Organic Letters	5
Current Opinion In Chemical Biology	4
Helvetica Chimica Acta	4
Journal Of Organic Chemistry	4

Documents by type

Documents by year

Documents by subject

Consequences of sleep deprivation

A recent [study](#), published in *Science Advances*, an Open Access-Journal by AAA/Science (a premium OA journal with an APC of US\$ 4'500) shows that chronic sleep loss, jet lag, and shift work – widespread in our modern 24/7 societies – are associated with an increased risk of numerous metabolic pathologies, including obesity, metabolic syndrome, and type 2 diabetes.

ChemComm continues with double-blind peer review

The Royal Society of Chemistry's journal ChemComm will continue to offer authors the option for double-blind peer review, after a trial over the past 12 months. About 10% of ChemComm authors chose the double-blind option at submission, with an above average number of these authors being from India and Iran while the USA, Japan, Germany and the UK on the other hand all showed a less than 5% uptake.

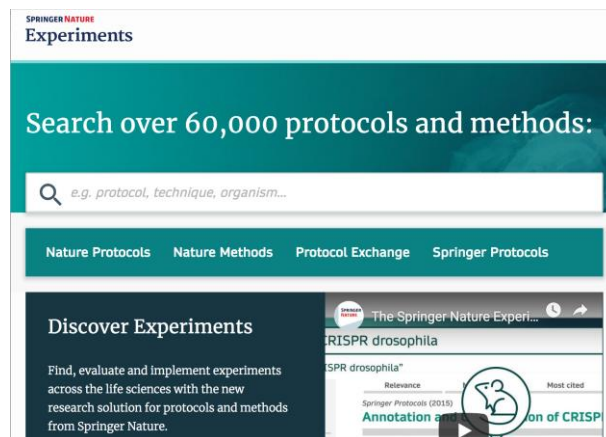
PayWall –The movie

[The Business of Scholarship](#) is a 1-hour (!) documentary which focuses on the need for open access to the output of research and science and questions the rationale behind the \$25.2 billion a year that flows into for-profit academic publishers. Of course, the movie comes with the most open CC BY 4.0 Creative Commons license and you are free to download the 79.1 GB uncompressed .MOV version. The math done in the movie, speculating on possible publishers' revenues, can be questioned, however.

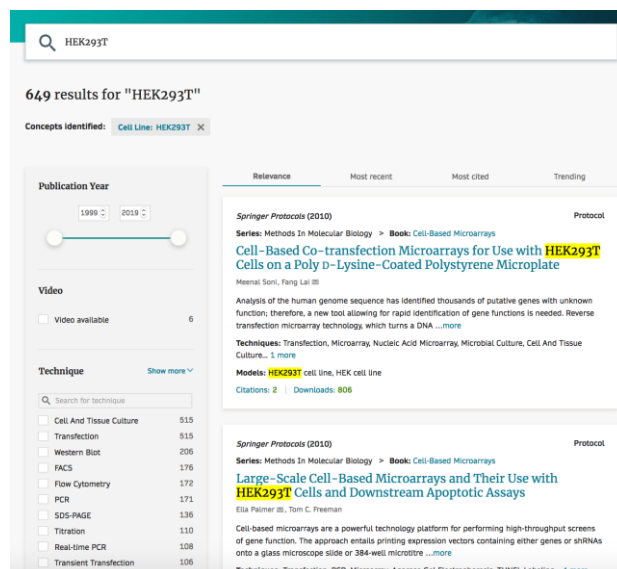


Springer Nature Experiments for Life Sciences

Do you want to find relevant information on experimental aspects of your research, but you need them fast? [Springer Nature Experiments](#) is a new tool that may help. It is a full-text search portal, and because it does not simply skim abstracts, it can retrieve results also for very specific experimental keywords like type of experiment, cell lines, media, inducers or vectors.



The obtained hits can be sorted according to relevance, date, citations or "trends". The list can further be narrowed down via filters such as techniques (e.g. luciferase reporter assay), models (e.g. HCT 116 or HEK293T) or video, but also the usual filters such as year, source and article categories. The underlying information is taken from four journals: *Nature Methods*, *Nature Protocols*, *SpringerProtocols* and *Protocol Exchange*. This is also the main drawback – only *Springer* and *Nature* Journals are searched, and even though they do provide a lot of important information, a search will never be comprehensive. Nevertheless, it might be a quick path for anybody working in life sciences to find the right experiments for their subfield.



App-Tipp (1)

TextFairy



Anyone looking for a scan app with text recognition (OCR) in Google's [Play Store](#) will find thousands of apps, free of charge or for a fee, with or without advertising and user surveillance. One of the few very good free OCR apps for Android without ads and trackers is TextFairy.

More than 70 languages for OCR can be downloaded. The app works particularly brilliantly with multi-column documents.

The text can then be used directly via copy/paste or conveniently output as a PDF while retaining the original layout.

The app is open source and can also be found on [GitHub](#).



News from Scopus (2)

3. New filter: Funding sponsor

You can now also see funding data on document record pages and it is now possible to filter your search by „Funding sponsor“.

Keyword ▼

Affiliation ▼

Funding sponsor ▲

- Schweizerischer Nationalfonds zur Förderung der Wissenschaftlichen Forschung (SNF) (19) >
- European Research Council (ERC) (10) >
- National Center of Competence in Research Quantum Science and Technology (NCCR QSIT) (7) >
- Deutsche Forschungsgemeinschaft (DFG) (3) >
- Eidgenössische Technische Hochschule Zürich (ETH) (3) >

[View more](#)

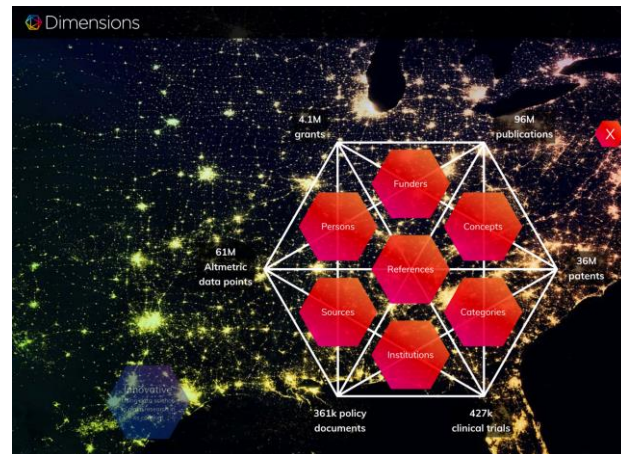
4. Scopus Quick Search

The Scopus Download Manager has already been introduced in Infozine 18, but Scopus now introduced more functionalities: The Scopus Document Download Manager, is a browser extension available for Chrome and Firefox that enables seamless full-text download directly from Scopus. In addition, with this release, the Scopus DDM extension will embed a Scopus quick search popup when clicking on the browser's extension icon. This enables access to Scopus from outside of the product, e.g. while navigating on Google.



Digital Science integrates over 360,000 policy documents and 1.4 million patents

Digital Science, a competitor to Google Scholar, Web of Science or Scopus, has announced the addition of over 360,000 policy documents to research insights platform Dimensions (<https://www.dimensions.ai>).



Users of the free version of Dimensions will be able to see the citing policy documents listed in individual publication records. Within Dimensions Plus and Dimensions Analytics, users will also be able to search across all of the policy records – with the option to further filter by publication year, publishing organization and research category. Policy sources that are part of this initial integration include: Government of the United Kingdom; World Health Organization; World Bank; Centers for Disease Control and Prevention; Australian Policy Online; and over 45 others.

PUBLICATIONS	GRANTS	PATENTS	CLINICAL TRIALS
686	18	19	0

POLICY DOCUMENTS
0

These content types are available with an organizational subscription. If your organization has a subscription, please register/sign in with your organizational email address to access these.

Title, Author(s), Bibliographic reference - [About the metrics](#)

[Inversion Approach to Validate Mercury Emissions Based on Background Air Monitoring at the High Altitude Research Station Jungfrauoch \(3580 m\).](#)

Basil Denzler, Christian Bogdal, Stephan Henne, Daniel Obrist, Martin Steinbacher, Konr...
2017, Environmental Science & Technology - Article

Citations: 4 Add to Library

Policy Document Citations - 1

Sorted by: Date

[Methodology for building LCA-compliant national inventories of emissions and resource extraction - EU Law and Publications](#)
2014, The Publications Office of the European Union

In addition, Digital Science has integrated over 1.4 million patents from Russia into Dimensions.

App Tip (2)



Kahoot!

Kahoot! is a free app and a game-based learning platform, used as educational technology at schools and universities, which is frequently used by the lecturers of the Information Center.

Kahoot! makes it easy to create, share and play fun learning games or trivia quizzes in minutes – 5 min can be sufficient to prepare a game.

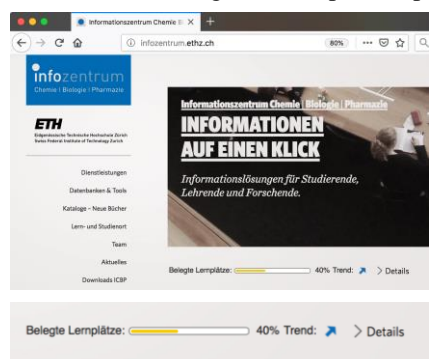
It can be used to review students' knowledge, for formative assessment or as a refreshing break.

Kahoot! has been developed in 2013 at the Norwegian University of Technology and Science in Trondheim and is a Norwegian company.

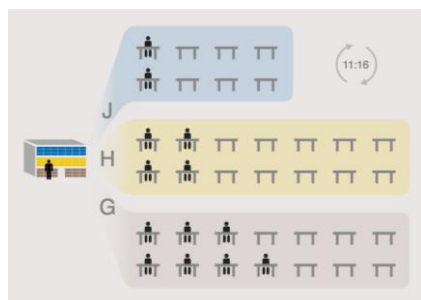
Surveys and Games can be prepared and played using a browser or the app (Apple or Google Play).

Are there learning spaces left in the Info Center?

A new monitor on our website now shows you immediately, how busy it is in the Information Center and if it is likely getting even more crowded – then the arrow indicating the trend points up.



A click on “Details” reveals how many learning spaces are occupied in each of our three floors. In this view a persona symbolizes if more visitors leave or enter the library.



Data are derived both from the count of devices connected to the WLAN and from a counter at the entrance, and the displayed occupancy data are adjusted using empirical correction factors. Please note: When the library is closed, there is no occupancy monitor visible.

Imprint

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ACD/Labs announces continued collaboration with ChemSpider

ACD/Labs algorithms will continue, after a cooperation of ten years, to equip ChemSpider with physicochemical property values and chemical nomenclature. As the industry standard for physicochemical prediction software, ACD/Labs was chosen to generate property information including logP, logD (at various pHs), Lipinski rule-of-5 values, and boiling point, and to provide name-to-structure (and vice-versa) capabilities.

You cannot find your molecule, its property information and IUPAC name in ChemSpider or in any of the databases? Then come to the Infozentrum! We have a license for ACD/Name, a software for generating IUPAC names, and a license for the PhysChem and ADME modules of ACD/Percepta, a software for the prediction of physicochemical properties and ADME characteristics. Both programs are installed on our guest PC in HCI J 57.6.

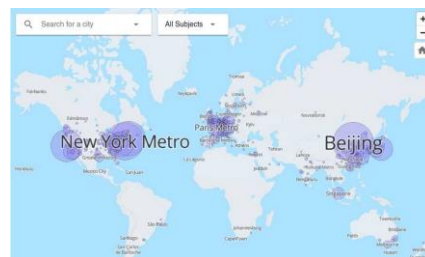
If you read Infozine online
– on screen –
you can click or tap the blue hyperlinks.

I am not a robot

When using the internet, one often has to prove that one is not a robot, by solving a task that actually helps to train artificial intelligence, such as e.g. selecting photo clips that display school busses. Now researchers have tried to develop a score that indicates whether a twitter account is real or a bot. According to a [study](#) published in the OA journal Nature Communications only 6% of all Twitter accounts can be clearly identified as bots, while they are responsible for 31% of all fake news. However, running Twitter bots to boost one's own publication towards a higher altmetrics score is hardly worthwhile, as a Twitter tweet does not count much for e.g. the Altmetric donut.

Nature Index unveils first global science city ranking

The [Nature Index 2018 Science Cities supplement](#), published in Nature, includes the first Nature Index global science city ranking. You can use interactive graphs or tables and filter for disciplines you are interested in, e.g. [TOP 20 Science Cities in chemistry](#) or [life sciences](#). While Zurich is not ranked top 20 in those disciplines, it is ranked #18 in the [Top 200 science cities index](#) and #11 in the [Top 20 corporate science cities](#). The ranking confirms dominance of China and the United States in research output. Beijing is the top science city globally, followed by New York, Boston, San Francisco and Baltimore.



Menu ☰

Accelerating Research Impact

Join a global community of researchers using Kudos to communicate work more effectively and accelerate its positive impact in the world.

Kudos with 250,000 users

Kudos, a free service that allows now more than 250,000 researchers to easily disseminate their (journal)-published output by writing lay summaries or attaching images and videos that cannot be used on a journals home page. To promote your article, you need a valid DOI and then can follow a simple procedure which is explained e.g. in this [short video](#). Explaining and sharing via Kudos takes 10 minutes and can increase readership by 23%, as a [recent study](#) published in *PLOS One* shows.

PLOS ONE

PUBLISH ABOUT BROWSE

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

Analysing researchers' outreach efforts and the association with publication metrics: A case study of Kudos

Majorda Eridi, Heli Heli Aung, Ashley Sara Aw, Charlie Rappin, Yin-Leng Theng

Published: August 17, 2017 • <https://doi.org/10.1371/journal.pone.0183217>

Article	Authors	Metrics	Comments	Media Coverage
1				

New employee at the Information Center

After almost 40 years at ETH Zurich, **Arun Kumar** retired in early summer 2018. We would like to thank him very much for his many years of service at the Information Center and wish him all the best for the new phase of his life.

Dr. Leo Betschart has been a new member of the Information Center since September 1, 2018. Originally from Central Switzerland he studied at ETH Zurich with a research focus on organic



and bioorganic chemistry. After a master thesis at the Scripps Research Institute in San Diego and an internship in medicinal chemistry at Novartis in Basel, he

returned to ETH Zurich for a doctorate with Prof. Dr. K.H. Altmann in the field of natural product synthesis. He then spent some time as a postdoctoral research fellow at the University of British Columbia in Vancouver where he worked in the fields of sugar chemistry, enzyme kinetics and chemical biology. He has profound knowledge in the field of scientific IT tools from the perspective of a preparative user. Since October he has also been a member of the [Science of Synthesis Advisory Boards](#) of Thieme Verlag. Leo Betschart is no stranger to the Info Center: He has already worked here as a student, was a member of the library commission and was among the first students who in 2014 attended the newly created course *Scientific Information Retrieval & Management in Life Sciences and Chemistry*, taught by Dr. Oliver Renn.

New visitors' PCs at the Information Center

The freely accessible visitor PCs on the G floor of the Information Centre had to be replaced due to their age. Since spring, three new Windows computers with high resolution screens are available to members of the ETH, on which MS Office and partly ChemDraw are also installed. These PCs have now been supplemented by a fourth PC. In addition, on the other side of the

entrance, all visitors now have access to three kiosk computers with a simple browser interface – no ETH Zurich account is required here. They allow all visitors to search catalogues and information resources and save documents on a memory stick or in the cloud.

Video Advent Calendar 2018

Also in 2018 we help you to count the days until Christmas with our Video Advent Calendar. The world is changing and this is also reflected in biomedical publications. PubMed, an important resource for biomedical literature, is indexing all their publications with MeSH (Medical Subject Headings) for better retrieval. Each year, a committee discusses important new topics and decides what needs to be added in the following year to the existing list of MeSH terms. Among those new terms for 2019, there are also some that reflect changes in society, showing the Zeitgeist.



Since December 1, every day until Christmas a new video will appear on our Instagram website (and mirrored on Twitter), presenting one of those new MeSH terms. Make sure you do not miss one and follow us on [Twitter](#) or [Instagram](#).



Among the new MeSH terms that will be used for indexing starting in 2019, is „sleepiness“.

Infozine Special Issue S2: Surfing versus Drilling for Knowledge in Science

As announced in the latest Infozine, the Infozine Special Issue has been published on November 15, 2018, and is – as always – freely available. After “Metrics in Research: For better or worse“, published in December 2016, the second issue focusses on how to access knowledge. Scientists always had to find the right balance between surfing for breadth and drilling for depth. Today’s digital tools add unprecedented power to both approaches. But how to avoid the risk of information overload and superficiality? For this Special Issue, the editors, Prof. Philippe Hünenberger and Dr. Oliver Renn from D-CHAB, ETH Zurich, have invited students, teachers, researchers, software developers, and publishers to share their personal opinions on when you should use your computer and when you should use your brain. Infozine S2 consists of 20 short opinion articles that discuss the role of information technology and artificial intelligence in research, teaching, publishing and information retrieval. Infozine S2 with all articles can be downloaded through the Information Center’s website as a [PDF](#). In addition, all articles can also be retrieved through ETH Zurich’s repository [Research Collection](#) as single PDFs.

