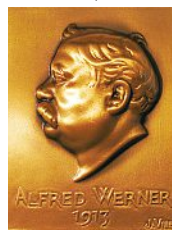


**SCG**Schweizerische
Chemische
Gesellschaft**SSC**Société
Suisse
de Chimie**SCS**Swiss
Chemical
Society**www.scg.ch****Society News and Announcements**

CALL FOR NOMINATIONS FOR THE SCS SCIENTIFIC AWARDS 2015

Werner Prize

CHF 10,000 and medal in bronze



The Werner Prize is awarded to a promising young Swiss scientist or scientist working in Switzerland for outstanding independent chemical research. At the time of the award the candidate may not be a tenured professor or someone in a higher position in industry, and should be younger than 40. The prize is awarded annually.

Grammaticakis-Neumann Prize

CHF 5,000

The Grammaticakis-Neumann Prize is awarded to a promising young scientist for outstanding independent research in photochemistry, photophysics or molecular photobiology. At the time of the award the candidate may not be a tenured professor or a person in a higher position in industry, and should be younger than 40. The prize is awarded annually.

Balmer Prize

CHF 2,000 for individuals and CHF 2,000 for the school's chemistry department or CHF 3,000 for a group and CHF 1,000 for the school's chemistry department and medal in bronze



The Balmer Prize is awarded to a teacher working in Switzerland at high school (gymnasium) level for innovation in chemistry teaching. The innovation must be easily applicable in current teaching and the costs for materials must be modest. The candidate may not make any claim to copyright in the innovation. The prize is awarded annually.

Dr. Max Lüthi Award

CHF 1,000 and medal in bronze



The Dr. Max Lüthi Award is presented for an outstanding diploma thesis in Chemistry conducted at a Swiss University of Applied Sciences. Nominations must be submitted by the head of the Chemistry Department of a Swiss University of Applied Sciences. The prize is awarded annually.

Sandmeyer Award

CHF 10,000 for individuals or CHF 20,000 for groups



The Sandmeyer Prize – sponsored by KPMG – is awarded to a person – excluding tenured professors - or to a group for outstanding work in industrial or applied chemistry. The work must be completed in Switzerland or with the involvement of a Swiss national. The prize is awarded annually.

KGF/SCS Industrial Science Awards



The KGF/SCS Industrial Scientific Awards are given to scientists working in Switzerland that are still working in industrial R&D.

Industrial Investigator Award honors successful investigators with outstanding achievements.

Certificate and cash check of CHF 7,000

Senior Industrial Investigator Award honors very successful and established investigators with outstanding achievements over many years.

Certificate and cash check of CHF 10,000

Distinguished Industrial Investigator Award honors senior scientists at the top of their research career for their lifetime achievements.

Certificate and cash check of CHF 15,000

Rewarded only on decision by the Board

Nominations must be submitted electronically to info@scg.ch. For specific award information and required documents please visit our website www.scg.ch/awards

The deadline for all documents to reach the Swiss Chemical Society is September 30, 2014.

Swiss Chemical Society SCS
Prof E. Peter Kündig, President
David Spichiger, Executive Director
www.scg.ch/awards

SCS Awards are sponsored and supported by

KontaktGruppe für Forschungsfragen
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CONFERENCE REPORT

SCS Spring Meeting 2014 «Frontiers in Organic Chemistry»



The Spring meeting of the Swiss Chemical Society took place on April 24, 2014 at the University of Fribourg, with the aim to explore (some) frontiers in organic chemistry. At first glance, a meeting dedicated to exploring the ‘frontiers of’ might be considered as mundane. But for a science like organic chemistry, the frontiers are evolving so rapidly that there is no risk of boring an audience. Indeed, more than 300 participants from industry and academy followed enthusiastically the reports on current paradigm shifts in organic synthesis, such as CH activation, high-throughput catalyst screening, late-stage fluorination and other red-hot current research topics.



Prof. **F. Dean Toste** (University of California, Berkeley) opened the fireworks with a superb example of hypothesis-driven research, showing the stepwise development of efficient catalytic processes used ultimately for the preparation of fuel hydrocarbons. He also convincingly showed the importance of cations and anions in enantioselective catalysis.

The rest of the morning was dedicated to the two awardees of the Alfred Werner Prize: Prof. **Clémence Corminboeuf** and Prof. **Jérôme Waser**, both at the EPFL.



Prof. Corminboeuf, in a lecture titled ‘Pitfalls and Perils in DFT Land: A Survival Guide’, showed that computational

chemistry is indeed full of pitfalls, but by carefully selecting the parameters (functional, basis set) reliable results, close to experimental data, can be obtained.

Prof. Jérôme Waser then showed how to invert the polarity of normally nucleophilic terminal alkynes into electrophilic species, capable of functionalizing intermediates in gold-initiated catalytic cycles, thus making catalytic alkynylation possible.



After the lunch break, Prof. **Matthew Gaunt** (University of Cambridge) showed that even remote unactivated functional groups (as simple as aliphatic chains) could be functionalized by using appropriate catalysts. Such an approach will undoubtedly change the way chemists plan the syntheses of complex molecules, as late-stage functionalization is now possible by activating simple C–H bonds.



Prof. **Andreas Pfaltz** (University of Basel) remained in the field of homogeneous catalysis, showing very clever methods to identify highly active enantioselective catalysis, using conventional instrumentation (like mass spectrometry), but very unconventional strategies, such as the use of quasi-enantiomeric substrates and racemic catalysts.



After a philosophical and historical introduction on elegance in total synthesis, Prof. **Erik Sorensen** (Princeton University) explained about his own approaches to access complex natural products. In a lecture titled ‘Taking risks in total synthesis’, it became very clear that indeed risks were taken, and for very good reasons!



The grand finale was given by Prof. **Tobias Ritter** (Harvard University), who started his presentation by exposing how positron emission tomography (PET) is revolutionizing medical imaging, emphasizing that the success of this technique relies on the fast and efficient access to radioactive fluorine-containing molecules. He then showed his own solution to the problem, developing late-stage fluorination methods, in particular how to turn the polarity of an isotope of fluoride anion making it an electrophile.

This meeting would not have been possible without the generous support of many sponsors and exhibitors.

Christian Bochet, University of Fribourg
Chair SCS Spring Meeting 2014

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To find out more visit the EcoChem website on www.ecochemex.com

Heilbronner-Hückel Lecture Tour of Paul Knochel in Switzerland from May 4–7, 2015

The Heilbronner-Hückel Lecture Series was implemented in 2009 with the first series in 2010 together with the Gesellschaft Deutscher Chemiker (GDCh). The annual series takes place alternatively in Switzerland and Germany.

Program 2015

Prof Paul Knochel, Ludwig-Maximilians-Universität München 'Polyfunctional Organometallics for Organic Synthesis'

- Monday, May 4: ETH Zürich (host Peter Chen)
- Tuesday, May 5: EPFL Lausanne (host Jieping Zhu)
- Wednesday, May 6: University of Bern (host Philippe Renaud)
- Thursday, May 7: University of Basel (host Andreas Pfaltz)

The series is named after the chemists Edgar Heilbronner, born in Munich in 1921 and passed away in Herrliberg in 2006, and Erich Hückel, born in Berlin 1896 and died in Marburg in 1980.

Yannick Stöferle awarded the Dr. Max Lüthi Award 2014



On the occasion of the Wädenswiler Chemietag 2014, David Spichiger, Executive Director of the SCS, awarded the Dr. Max

Lüthi Award 2014 to Yannick Stöferle for his excellent diploma thesis «Synthese chiraler Halomethane und Oxirane».

We like to congratulate Yannick Stöferle and his thesis supporter, Prof. Jürgen Stohner from the ZHAW, again for their outstanding research. The ceremony took place at the ZHAW Campus Reidbach in Wädenswil on June 26, 2014.

Yannick Stöferle continues his academic chemistry career with his Master studies at ETH Zurich.

Ruzicka Prize 2014: Call for Nominations



The Ruzicka Prize is awarded each year to a young scientist for her/his outstanding, published contribution in the field of chemistry, achieved either in Switzerland or by a Swiss citizen abroad.

Proposals for candidates (age limit 40 years) may be submitted until September 20, 2013 (date of receipt) to

Vice-President Research and Corporate Relations
Prof. Dr. Roland Yves Siegwart
ETH Zürich
HG F 57, Rämistrasse 101, CH-8092 Zürich

More details on: <http://www.chab.ethz.ch/publicrelations/Sonderveranstaltung/Ruzicka>

A WARM WELCOME TO OUR NEW MEMBERS!

Period: 28.05.2014 – 22.07.2014

César Barrios Collado, Zurich – Jesse Bergkamp, Bern – Oliver Beswick, Prangins – Nicolas Blanchard, Niffer – Andreas Borgschulte, Dübendorf – Laura Allegra Büldt, Basel – Pengpeng Cao, Fribourg – Eva Caroff, Ranspach le Haut – Kuang-Yu Chang, Basel – Ziqiu Chen, Zurich – Akshaya Das, Basel – Bernd Deffner, Thalwil – Michela Di Giannantonio, Fribourg – Simon Dünki, Bülach – Pascal Eberle, Basel – Priska Frei, Basel – Almudena Gallego, Basel – Luca Garbuio, Schwerzenbach – Matthias Germann, Urdorf – Chiara Gstrein, Baden – Yeliz Guerdal, Zurich – Benjamin Herden, Fribourg – Manuel Hernandez Rodriguez, Zurich – Sandra Hilaire, Zurich – Florian Hodel, Zurich – Cho-Shuen Hsieh, Geneva – Zhenquan Hu, Basel – Michal Juricek, Basel – Guojun Ke, Basel – Stefan Knecht, Zurich – Rajesh Koirala, – Evgeniia Konishcheva, Bern – Andrey Kuzovlev, Bern – Giacomo Marco Lari, Zurich – Birgit Lauber, Zurich – Stefano Lazzari, Zurich – Urs Leutenegger, Oberwil bei Zug – Urszula Lewandowska, Wünnewil – Bartosz Lewandowski, Zurich – Kenan Li, Basel – Giuseppe Licari, Carouge – Hongguang Liu, Lonay – Sandra Luginbühl, Rümlang – Jeremy Luterbacher, Lausanne – Sharma Manish, Geneva – Dmitry Mazunin, Zurich – Simona Mazza, Lausanne – Fabian Meemken, Zurich – Margrith Meier, Watt – Georg Meseck, Zurich – Arezoo (Athar) Mokhberi, Basel – Berndt Oberhauser, Riehen – Vladimir Paunovic, Zurich – Igor Pavlovic, Zurich – Frank Pilger, Baden – Antonio Prlj, Lausanne – Liang Qiao, Prilly – Laura Quaranta, Basel – Annett Rabis, Urdorf – Peter Ribar, Basel – Daniel Rösch, Eimeldingen – Vladislav Semak, Lausanne – Andrey Shalit, Zurich – Linde Smeenk, Zurich – Manasa Sridhar, Zurich – Mario Stein, Maulburg – Kaori Sugihara, Yverdon les Bains – Tao Sun, Zurich – Coralie Susillon, Cessy – Divyeshsinh Thakor, Zurich – Shuo Tong, Lausanne – Gregor Trefalt, Chene-Bourg – Christian Trindler, Freiburg – Laurent Vannay, La Sarraz – Kai Henning Viehweger, Herisau – Aaron von Conta, Zurich – Trixie Wagner, Basel – Jasmin Walter, Zurich – Zhen-Hao Xu, Basel – Olesya Yarema, Zurich – Meng Zhao, Zurich – Justin Zoppe, Bern.



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- Synergy Forum

Keynote Speakers

Tuesday, 23 September 2014
Dr. Jörg Reinhardt
Chairman of the Board of Directors,
Novartis AG

Wednesday, 24 September 2014
Prof. Patrick Aebischer
President, Ecole Polytechnique Fédérale de Lausanne (EPFL)

Thursday, 25 September 2014
Dr. Lorenz Mayr
Vice President, Reagents & Assay Development,
AstraZeneca Ltd.

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Networking Events

Tuesday, 23 September 2014
Welcome Reception
Wednesday, 24 September 2014
Poster Session & Apéro



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Analytical Sciences

Weiterbildung Analytik

Trenntechnik

Analytische Anwendungen

Methoden der Life Sciences

Qualitätssicherung

InCompany Trainings

Titel	Ort	Termin	Code
Atomabsorptions-, Atomemissions-Spektrometrie (AAS und AES) – für Einsteiger/-innen	Dübendorf	03.09.2014	SP-1
Einführung in die HPLC-MS	Basel	04.–05.09.2014	SP-7
Atomabsorptions-, Atomemissions-Spektrometrie – Theorie für die Praxis	Dübendorf	10.09.2014	SP-2
Einführung und Interpretation von IR-Spektren	Biel-Benken	18.–19.09.2014	SP-9
Einführung und Funktion und Anwendung der Kraftfeldmikroskopie (AFM)	Liestal	24.09.2014	AA-5
GC-Troubleshooting	Basel/Novartis	13.–15.10.2014	TR-5
HPLC-MS in der Spurenanalytik	Dübendorf	14.–15.10.2014	TR-6
Akkreditierung von Prüflaboratorien – ISO 17025	Dübendorf	23.10.2014	QS-6
Quality by Design in the Analytical Laboratory	Basel/Novartis	23.10.2014	QS-12
HPLC-Troubleshooting – Ergänzungskurs	Dübendorf	03.–04.11.2014	TR-11
Quality by Design-Ansatz in der multifaktoriellen HPLC-Methodenentwicklung	Basel/Novartis	06.11.2014	QS-13
GMP-Praxis im Labor	Dübendorf	07.11.2014	QS-10
Enantioselektive chromatographische Trennmethode	Dübendorf	10.11.2014	TR-14
Einführung in die Oberflächenplasmonenresonanz	Dübendorf	11.11.2014	LS-1
Isolierung und Reinigung von Proteinen	Basel	12.–13.11.2014	LS-3
Real-time Polymerase Chain Reaction (rt-PCR) in der Lebensmittelkontrolle	Dübendorf	13.11.2014	LS-2
Interpretationstraining für IR-Spektren	Biel-Benken	14.11.2014	SP-10
Röntgenfluoreszenz in der praktischen Anwendung	Dübendorf	17.11.2014	SP-3
Oberflächen-gestützte Analytik und Sensorik mit der Schwingquarz-Mikrowaage	Dübendorf	05.12.2014	AA-7

Es freut uns, Ihnen das Weiterbildungsprogramm 2014, das wir zusammen mit dem Centre de Compétence en Chimie et Toxicologie Analytiques (CCCTA) realisiert haben, vorzustellen.

Einzelmitglieder der folgenden Fachverbände können unsere Kurse zum vorteilhaften Mitgliedertarif besuchen:

Fachverband Laborberufe (FLB), Gesellschaft Deutscher Chemiker (GDCh), Schweizerische Arbeitsgemeinschaft für Spektrometrie und Elementaranalytik (SASP), Schweizerischer Chemikanten- und Chemisten-Verband (SCV), Schweizerische Gesellschaft für Lebensmittel- und Umweltchemie (SGLUC), Schweizerische Gruppe für Massenspektroskopie (SGMS) und Schweizerischer Verband Diplomierter Chemiker (SVC).

Falls Sie sich für unsere Veranstaltungen interessieren, erreichen Sie uns unter Telefon **058 765 52 00** oder Fax **058 765 58 01** oder mailen Sie an verena.schmid@eawag.ch. Online-Anmeldung im Internet unter: www.scg.ch/das

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