SCG Schweizerische Chemische Gesellschaft | SSC Société Suisse de Chimie | SCS Swiss Chemical Society

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Society News and Announcements

# Call for Nominations for the SCS Scientific Awards 2014

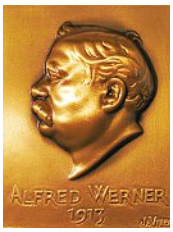
## Paracelsus Prize

CHF 20,000 and medal in gold


The Paracelsus Prize is awarded to an internationally outstanding scientist for his or her lifetime achievements in chemical research. It is awarded every two years.

## 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 have to 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, 2013.

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
*Contact Group for Research Matters*
MERCK SERONO · NOVARTIS · BASF The Chemical Company · syngenta · Roche

# SCS Spring Meeting 2013

April 19, 2013; Paul Scherrer Institute (PSI), Villigen

Six years after its last appearance in the spring meeting 'Catalysis, its Opportunities and Challenges' was the topic of the Spring Meeting 2013 of the Swiss Chemical Society. For the first time, it took place in the Auditorium of the Paul Scherrer Institute where more than 160 participants from both academy and industry convened on April 19th. As mentioned in issue 9 of CHIMIA 2012 dedicated to heterogeneous catalysis in Switzerland, the event was part of a series that is aimed at creating a catalysis section of the Swiss Chemical Society. The Meeting was accompanied by a technical exhibition in the foyer of the Auditorium.


This year's Spring Meeting was also the occasion to celebrate the award of the Werner Prize to Prof. ***Cristina Nevado*** (University of Zurich) and to Prof. ***Clément Mazet*** (University of Geneva). Prof. Nevado reported on the development of Au(I)/Au(III)-based complexes, their application in natural product synthesis and the understanding of the related reaction mechanisms. The second Werner Prizewinner, Prof. C. Mazet demonstrated strategies to employ organometallic Ir and Pd catalysts in asymmetric organic synthesis, in particular the isomerization of allylic alcohols to chiral aldehydes and the arylation of aldehydes.

The Werner Prize 2013 awardees, Prof. Cristina Nevado (with Prof Peter Kündig) and Prof. Clément Mazet.

The organizers, Dr. ***Davide Ferri*** (PSI), Prof. ***Linda Thöny-Meyer*** (Empa) and Prof. ***Andreas Pfaltz*** (University of Basel), succeeded in building an excellent program around the Werner Prize that ambitiously aimed at bringing together internationally recognized experts in heterogeneous, homogenous and biocatalysis from academia and industry.

The Meeting was opened by Prof. ***Matthias Beller*** (Leibniz-Institut für Katalyse e.V., Rostock, Germany), who gave an outstanding presentation on the design of highly efficient homogenous catalysts and the link to their industrial utilization for innovative synthetic organic chemistry and energy production.

Prof. Beller also convincingly transmitted the important message that industry can revitalize academic research. Prof. ***Emiel Hensen*** (Eindhoven University of Technology, The Netherlands) reported on a combination of experimental and theoretical approach to understand structure sensitivity and the synergy between precious metal nano-particles and metal oxide supports for various reactions, including CO oxidation, steam reforming and water gas shift.

After the lunch break, Prof. ***Anett Schallmey*** (RWTH Aachen, Germany) showed three examples of biocatalytic systems for traditionally difficult organic synthesis using oxygenases, enzymes able to allow transfer of oxygen into organic substrates such as insertion of oxygen atom in ketones to produce esters and lactones or hydroxylation reactions.

Dr. ***Jürgen Gieshoff*** (Umicore AG, Hanau, Germany) gave an overview on present strategies to control vehicle exhaust emissions, especially diesel engines, and discussed the need to produce a better bridge between academic research and applied research to discover the catalysts of the future.

Using a combination of density functional theory (DFT) and molecular dynamics (MD), Prof. ***Philippe Sautet*** (ENS Lyon, France) illustrated the remarkable structural and morphological dynamics of isolated and alumina-supported platinum nano-particles induced by adsorbed hydrogen.

The second speaker from industry, Dr. ***Laurent Lefort*** (DSM, Geleen, The Netherlands) produced three exciting examples of how customer-driven process development and catalyst discovery is conducted at industrial scale for production of pharmaceutical intermediates.

In the final lecture, Prof. ***Unni Olsbye*** (University of Oslo, Norway) discussed the latest advancement in the design of zeolite-based catalysts towards a selective methanol to olefin process and emphasized the importance of controlling the structure and the size of pore channels.

The organizers and the Swiss Chemical Society are grateful to the sponsors and exhibitors of the event, Biazzi, Advion, Bruker, Büchiglas, IGZ, Merck, Sigma-Aldrich, Solvias, and the Contact Group for Research Matters (KGF) without whose funding the event would have not been possible.

The next appointment for Swiss catalysis scientists will be the Fall Meeting 2013 of the Swiss Chemical Society to be held in Lausanne (EPFL) on September 6th, where the session Catalysis Science and Engineering will take place for the second time.

Davide Ferri, PSI
Chair SCS Spring Meeting 2013

## News

Neuer Look für simplyscience.ch –
La réalisation de la version française est finit

SimplyScience.ch ist eine Internetplattform, die Kindern und Jugendlichen von 8–18 Jahren die faszinierende Welt der Naturwissenschaft und Technik näherbringen will. Jüngere Kinder finden auf SimplyScience.ch Spiele und Rätsel und können Anleitungen für spannende Experimente herunterladen.
Ältere Kinder und Jugendliche können spannende Infos zu naturwissenschaftlichen Themen nachlesen, bei Rätseln und Wettbewerben für ihre Altersgruppe mitmachen und erfahren, welche Berufe interessant sein könnten, wenn man sich für Naturwissenschaften interessiert.

SimplyScience.ch est une plate-forme Internet, qui à pour but de rapprocher les enfants et les jeunes de 8–18 ans du monde fascinant des sciences naturelles et de la technique. Les plus jeunes enfants trouveront sur SimplyScience.ch des jeux et des devinettes, et peuvent télécharger des instructions pour des expériences passionnantes.
Les enfants plus âgés et les adolescents peuvent consulter des informations passionnantes sur des thèmes de science naturelle, participer à des devinettes et des concours pour leur groupe d'âge et découvrir quels métiers pourraient être intéressants si l'on se passionne pour les sciences naturelles.

*http://www.simplyscience.ch*

## Ausschreibung des SCG FH-Award der ILMAC 2013


Die ILMAC setzt als Fachmesse für Labor- und Prozesstechnologie im Bereich Chemie stark auf industrienahe Innovationen und Anwendungen. Fachhochschulen fokussieren sich in der Ausbildung wie in der Forschung & Entwicklung speziell auf diese Aspekte. Daher ist es nur folgerichtig, dass die Schweizerische Chemische Gesellschaft (SCG) einen Preis für „Innovation & Anwendung" für gemeinsame Projekte von Fachhochschulen mit Industriepartnern ausschreibt.

## A warm welcome to our new members!

Saurabh Abbi, Zurich – Joachim Ahlin, Lausanne – Saima Nafees Ahmed, Zurich – Florian Allouche, Zürich – Gloria Andolina, Zurich – Antonio Azzollini, Carouge – Daniel Bachmann, Basel – Noelia Barrabes, Gaillard – Tristan Bereau, Basel – Maximilian Beyer, Zürich – Tobias Binninger, Untersiggenthal – Michele Boghi, Lausanne – Marine Bouduban, Echichens – Jan Breitenfeld, Lausanne – Roberto Buratto, Lausanne – Marcel Burger, Hochdorf – Anna Carreras, Zürich – Erika Crane, Basel – Benoit Cretegny, Chavornay – Mammoli Daniele, Pully – Antoine Derible, Mulhouse – Sylvie Drayss, Basel – Biplab Dutta, Zürich – Jorge Ferreira de Araújo, Villigen – Ivan Franzoni, Genève – Natalja Früh, Zürich – Giulio Gasparini, Geneva – Elodie Gonçalves Rodrigues, Birmensdorf – Miriam Goyder, Chexbres – André Gruss, Frick – Gajendra Gupta, Neuchatel – Mélodie Hadzic, Zurich – Yvonne Hari, Bern – Jingjing He, Zurich – Nicolas Humbert, Annemasse – Ugo Jacovella, Zurich – Tasqiah Julianti, Basel –Michael Kamrath, Lausanne – Mokrane Khier, Zurich – Vitaliy Kolesov, Ecublens VD – Ziya Kostereli, Lausanne – Klemens Lucas Koziol, Zürich – Andreas Küchler, Zürich – Nam Hee Kwon, Fribourg – Mathilde Lachia, Baden – Clément Lauzin, Zürich – Houhua Li, Petit-Lancy – Su Liang, Ecublens – Voronina Liudmila, Lausanne – Michael Umberto Lüscher, Basel – Manale Maalouf, Zurich – Mylène Morin, Zürich – Collin Morris, Basel – Christian Müller, Zürich – Giulio Navarra, Basel – Igor Oleinich, Zurich – Patric Oulevey, Genève – Sandip Pujari, Geneva – Lea Radtke, Herrliberg – Ana Maria Raduta, Renens – Vijay Solomon Rajadurai, Basel – Marco Reinhard, Lyssach – Zhiqiang Ren, Fribourg – Carla Rigling, Zürich – Simonetta Rima, Fribourg – Martino Rimoldi, Zürich – Diana Rueda, Basel – Wojciech Schönemann, Basel – Luca Siffert, Bern – Mahsa Silatani, Lausanne – Oliver Simic, Basel – Adam Sobczuk, Corsier – Marjorie Sonnay, Zürich – Katerina Sordakis, Lausanne – Federica Sordo, Lausanne – Sriniketh Srinivasan, Ecublens – Malwina Staniuk, Zurich – David Stibal, Neuchâtel – Riccardo Suter, Zürich – Sandra Temmel, Brugg AG – Marek Tulej, Basel – Matthias Urfer, Zürich – Rémi Vanel, Saint-Julien-en-Genevois – Stefan Vetterli, Schlieren – Aniket Walunj, Fribourg – Fan Yang, Basel – Zhao Yingjie, Geneva – Oleksandr Yushchenko, Les Avanchets – Aleksandra Zabuga, Chavanne près Renens.

# KGF-SCS Industrial Science Awards

The Swiss Chemical Society in collaboration with the KGF (Contact Group for Research Matters) awards with this series industrial scientists working actively in R&D in Switzerland. After its launch in 2013 the awards will be given for the second time in 2014.

## Industrial Investigator Award

to honor successful investigators with outstanding achievements. Certificate and cash check of CHF 7000. The prize is given on an annual basis.

## Senior Industrial Investigator Award

to honor very successful and established investigators with outstanding achievements over many years. Certificate and cash check of CHF 10 000. The prize is given on an annual basis.

## Distinguished Industrial Investigator Award

to honor senior scientists on the top of their research career for their lifetime achievements. Certificate and cash check of CHF 15 000. Rewarded on decision by the board.

### Guidelines

The awards are given to individuals exclusively.

At the time of the award the persons honored have to work in Switzerland and have to be still active in R&D.

Nominations are invited from organizations and individuals. Self-nominations are not admitted.

Nominations must be submitted until September 30, 2013 to info@scg.ch

www.scg.ch/awards

SCS Swiss Chemical Society

KontaktGruppe für Forschungsfragen
*Contact Group for Research Matters*

MERCK SERONO

BASF The Chemical Company

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NOVARTIS

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SCS
Division of Analytical Sciences

# Weiterbildung Analytik

**Trenntechnik**
**Analytische Anwendungen**
**Methoden der Life Sciences**
**Qualitätssicherung**
**InCompany Trainings**

| Titel | Ort | Termin | Code |
|---|---|---|---|
| Kritischer Umgang mit Informationsquellen in der Chemie | Zürich/ETH Hö | 04.06.2013 | QS-2 |
| Effiziente Internet-Nutzung im analytischen Labor | Dübendorf | 10.06.2013 | QS-1 |
| IR-Spektroskopie: Einführung und Interpretation der Spektren | Biel-Benken | 11.–12.06.2013 | SP-9 |
| Messunsicherheit in der Analytik | Dübendorf | 13.06.2013 | QS-5 |
| IR-Spektroskopie: Interpretationstraining | Biel-Benken | 13.06.2013 | SP-10 |
| Säulen, Phasen und Trennoptimierung in der HPLC – Ergänzungskurs | Windisch | 12.–13.06.2013 | TR-10 |
| Grundlagen und Anwendungen in der Nah-Infrarot(NIR)-Spektrometrie | Flawil | 20.06.2013 | SP-5 |
| Validieren von Analysenverfahren II, Praktische Beispiele | Dübendorf | 24.06.2013 | QS-9 |
| Atomabsorptions-, Atomemissions-Spektroskopie (AAS und AES) für Einsteiger/-innen | Dübendorf | 25.06.2013 | SP-1 |
| Qualifizieren von Analysengeräten | Dübendorf | 25.06.2013 | QS-7 |
| Referenzmaterialien zur Methodenvalidierung und Gerätequalifizierung | Dübendorf | 26.06.2013 | QS-14 |
| Chemische Sensoren im analytischen Einsatz | Dübendorf | 01.07.2013 | AA-3 |
| Atomabsorbtions-, Atomemissions-Spektrometrie – Theorie für die Praxis | Dübendorf | 02.07.2013 | SP-2 |
| Grundlagen der Probenvorbereitung mit Schwerpunkt Festphasenextraktion (SPE) | Dübendorf | 09.07.2013 Neu | AA-8 |
| GMP im Labor / SOP-Erstellung | Dübendorf | 27.08.2013 Neu | QS-10 |
| Statistische Auswertung von Messwerten zur Qualitätssicherung | Basel/Novartis | 3.–5.09.2013 Neu | QS-3b |
| Einführung in die HPLC-MS | Basel/FHNW | 5.–6.09.2013 | SP-7 |
| Grundlagen der Pharmaz. Technologie: Feste Arzneistoffe | Wädenswil | 5.–6.09.2013 Neu | LS-4 |
| Grundlagen der Guten Labor Praxis – GLP | Dübendorf | 10.09.2013 Neu | QS-11 |
| Statistical Design and Analysis of Experiments | Basel/Novartis | 16.–18.09.2013 Neu | QS-4 |
| Field Flow Fractionation | Dübendorf | 17.09.2013 Neu | TR-3 |
| Lichtstreuung als Analysemethode für Biopharmazeutika, Nanopartikel und Makromoleküle | Dübendorf | 18.09.2013 Neu | AA-6 |
| Einführung in Funktion und Anwendung der Kraftfeldmikroskopie (AFM) | Liestal | 25.09.2013 | AA-5 |
| HPLC-MS in der Spurenanalytik | Dübendorf | 15.-16.10.2013 | TR-6 |
| Werkzeuge und Strategien zur Interpretation von EI-Massenspektren unbekannter Verbindungen mittels Datenbanken | Dübendorf | 17.10.2013 | SP-6 |
| Quality by Design in the Analytical Laboratory | Basel/Novartis | 21.10.2013 Neu | QS-12 |
| Kombinierte Interpretation von ein- und zweidimensionalen NMR-, IR- und Massenspektren | Dübendorf | 29.10.2013 Neu | SP-11 |

Es freut uns, Ihnen das Weiterbildungsprogramm 2013, 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 Cheministen-Verband (SCV), Schweizerische Gesellschaft für Lebensmittel- und Umweltchemie (SGLUC) und Schweizerische Gruppe für Massenspektroskopie (SGMS).

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*

## InCompany Training – Individuelle Beratung und Schulung

Im Rahmen des Weiterbildungsprogramms organisieren oder erarbeiten wir gemeinsam mit Ihnen InCompany-Schulungen und -Trainings nach Ihren Vorstellungen und Bedürfnissen. Profitieren Sie davon, dass wir für Sie

- Inhalte an firmenspezifische Anforderungen und Wünsche anpassen
- Frage- und Problemstellungen in Ihrem Einsatzgebiet gezielt behandeln
- praktische Übungen gegebenenfalls an Ihren Geräten durchführen
- Trainings bei Bedarf auch in französischer oder englischer Sprache durchführen

Ein weiterer Vorteil der InCompany-Trainings: für Ihre Mitarbeiterinnen und Mitarbeiter fallen keine Reise- und Übernachtungskosten an!

Experten stehen Ihnen für eine persönliche Bedarfsabklärung und Beratung gerne zur Verfügung.

Sie erreichen uns über
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