Community News

SCS Swiss Chemical Society

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SWISS CHEMICAL SOCIETY NEWS

Helvetica Relaunch and its 100th Anniversary

Dear Colleagues

The year 2016 has nearly come to a close, holidays are on the way, and the new Helvetica is now fully in operation. Have a look at the published and upcoming contributions at *http://helv.wiley.com*.

We are ready to host your contribution to celebrate the 100th anniversary of Helvetica Chimica Acta in 2017. Helvetica wants to be a premiere journal for the frontier in molecular chemistry from all fields across Switzerland and the globe.

I am sure 2016 has brought you new and exciting chemistry in the labs; Helvetica wants to help you publishing your innovative research. At a time of journals with too many pages, Helvetica – with its selected, high quality full papers – is a perfect venue to showcase the Science being done in Switzerland and beyond.

We invite you to submit your manuscripts across all fields of chemistry to this very special 100th anniversary event, celebrating chemistry and the frontier of the chemical sciences (biology, physics, material and engineering sciences).

On the occasion of the 100th anniversary of Helvetica, a virtual issue will be crafted, where the most prominent manuscripts will be collected and assemble into a hard copy issue.

Season's greetings to all! We look forward for your contribution to Helvetica on the occasion of its relaunch and its 100th anniversary.

Jeffrey Bode and Christophe Copéret
Editors-in-Chief of Helvetica Chimica Acta

Seville International Chemistry Declaration 2016: An Invitation to Sign

In a world that is becoming increasingly populated and urbanized, and which will require 30% more water and 40% more energy by 2030, we are faced with innumerable social challenges that require a firm commitment to research and innovation for their resolution. It will be chemistry as a discipline, with the fundamental and necessary support of other sciences and areas of knowledge, which will continue to assume the responsibility of addressing most of these challenges and to offer sustainable solutions in alignment with the Sustainable Development Goals set out by the UN. This will only be possible if we establish the necessary collaboration channels between key stakeholders, and including society and its competent authorities and bodies.

The Seville International Chemistry Declaration 2016, was launched in Seville at the 6th EuCheMS Chemistry Congress on September 13, 2016.

Source: *http://www.euchems.eu/seville-international-chemistry-declaration-2016/*

EPF Lausanne has been ranked #1 in Chemistry across Europe by the U.S. News & World Report

The U.S. News & World Report has ranked EPFL number 1 in chemistry in Europe, and number 10 in the world. The U.S. News & World Report's Best Colleges rankings on education has been published annually since 1983.

The majority of EPFL's chemistry output is represented by – but not limited to – its Institute of Chemical Sciences and Engineering (ISIC), where chemistry research covers multiple fields, and it has become one of the world's leading institutions across the chemical sciences. For example, the satellite campus of EPFL in Valais now hosts a number of ISIC chemists who work in the fields of renewable energy, chemical catalysts for energy storage, computational molecular simulations, and nanocrystal synthesis.

The Institute is particularly well known for housing the research of Michael Grätzel, inventor of the dye-sensitized solar cells that bear his name. In 2016, citations of Professor Grätzel's an h-index reached 200 with citations of his papers passing 190,000.

In addition, many faculty have recently won prestigious awards. For example, Paul Dyson has been awarded the Werner Prize of the Swiss Chemical Society, the Award for Outstanding Achievements in Bioorganometallic Chemistry, and the Bioinorganic Chemistry Award of the Royal Society of Chemistry among others. In 2016, Dyson was also listed in the Web of Science's Highly Cited Researchers. His research covers organometallic chemistry at the interface of medicine, catalysis, and material science.

Source: *http://actu.epfl.ch/search/sb/*

SCS Anniversary Members

More than 60 of our members celebrate a special anniversary as SCS member this year. As one example we like to thank Prof. Ernst Felder, who joined SCS in 1941 and congratulate him for being with us for 75 years.

Thank you all for your support and your loyalty throughout the years.

SCS Member for 75 years

Ernst Felder, Riva San Vitale

Member for 60 years

Christoph Buxtorf-Hosch, Basel

Member for 50 years

Hans Allgeier, Lörrach-Haagen
Roland P. Bühlmann, Schönenbuch
Armin Guggisberg, Schlieren
Jürg Heller, Oberwil
André E. Merbach, Pully

Member for 40 years

Anton Adam-Mennel, Wädenswil
Hans-Jakob Ammann, Himmelried
Erwin Götschi, Reinach
Bernhard Jaun, Fällanden
Rolf-Otto Klaus, Bottmingen
Albin Kümin, Aesch
Hans Peter Märki, Basel
Christian Müller, Bern
Wilhelm Pickenhagen, Versoix
Rolf Meyer, Zufikon
Paul S. Pregosin, Birmensdorf
Dieter Seebach, Zürich
Jörg Widmer, Bern

Member for 30 years

Jean-Marie Adam, Rosenau
Peter Comba, Heidelberg
Michael Göbel, Frankfurt
Michael Grätzel, St. Sulpice
Eduardo G. Gros, Buenos Aires
Josef Max Künzle, Therwil
Rainer Lüönd, Therwil
Peter Lustenberger, Märstetten
Daniel Obrecht, Bättwil
Dietrich Plaas, Inzlingen
Esteban Pombo-Villar, Binningen
Heinrich Rüegger, Flüh
Manfred Schneider, Hamm
Helmut Schwarz, Berlin
Jean-Luc Wolfender, Coppet
Kaspar Zimmermann, Novartis Basel

Member for 20 years

Martin Albrecht, Uni Bern
Alain Borel, Chavanness
Peter Chen, ETH Zurich
Antonio Currao, Bern
Silvio Decurtins, Reichenbach i.K.
Michael Edelmann, Flawil
Emad El-Sayed, Zumikon
Karl Gademann, Dübendorf
Jan-Dierk Grunwaldt, Kgs. Lyngby
Ruedi Gygax, Bottmingen
Catherine E. Housecroft, Hochwald
Gabriel J. Huber, Riehen
Fabian Kuhn, Volketswil
Philipp Lustenberger, Allschwil
Gabrielle Lytras, Founex
Stefan Matile, Genève
Frédéric Merkt, Zürich
Konrad Oertle, Therwil
Doris Roth, Allschwil
Alexandre Sarbach, Conthey
Guido Sauter, Jegenstorf
Hans Martin Senn, Frick
Bernhard Spingler, Basel
Armido Studer, Münster
Georges Vionnet, Monthey
Cornelia Zumbrunn, Basel

A warm welcome to our new members!

Period: 28.10.2016 – 18.11.2016

Yann Baumgartner, Biel/Bienne – Alec Birkbeck, Basel – Ramesh Dateer, Basel – Yuan-Peng Du, Lausanne – Agata Krywko-Cendrowska, Basel – Christophe Laporte, Romont – Tobias Merz, Thun – Benjamin Meyer, Penthalaz – Kurt Püntener, Ueken – David Savary, Basel – Pierre Thesmar, Huningue (FR).

SCS PRIZE WINNERS 2017

It's our pleasure to announce the winners of the 2017 SCS awards. We would like to sincerely congratulate all winners and we are looking forward to the ceremonies that will take place at one of our events during the next year.

Werner Prize 2017

The Swiss Chemical Society awards the Werner Prize 2017 to

Prof. Kevin Sivula, EPF Lausanne, for his significant contributions to the advancement of materials and methods for photoelectrochemical energy conversion

Picture: epfl.ch

and to

Prof. Christof Sparr, University of Basel, in recognition of his very creative contributions to the asymmetric synthesis of single atropisomers of hindered aromatic compounds using organocatalysis.

Picture: unibas.ch

The award ceremony and the lectures will take place during the SCS Spring Meeting in Bern on April 21, 2017.

Past Werner Prize Winners

2016: Prof. Maksym Kovalenko, ETH Zürich and Empa Dübendorf
2015: Prof. Gilles Gasser, University of Zurich
2014: Prof. Clémence Corminboeuf, Lausanne; Prof. Jérôme Waser, Lausanne,
2013: Prof. Cristina Nevado, Zurich; Prof. Clément Mazet, Geneva
2012: Prof. Nicolai Cramer, EPF Lausanne

Grammaticakis-Neumann Award 2017

The SCS awards the Grammaticakis-Neumann Prize 2017 to

Prof. Robert Knowles, Princeton University, for expanding the methodology in organic synthesis by new processes founded upon visible light mediated Proton-Coupled Electron Transfer (PCET).

Picture: chemistry.princeton.edu

The award ceremony and the lecture will take place during the SCS Fall Meeting in Bern on August 21-22, 2017.

Past Grammaticakis-Neumann Prize Winners
2015: Prof. Natalie Banerji, University of Fribourg
2014: Dr. Erwin Reisner, Cambridge, UK
2013: Dr. Uwe Pischel, Huelva, ESP
2012: Prof. Hans Jakob Wörner, ETH Zurich
2011: Dr. Marina Kuimova, UK

Sandmayer Award 2017

The SCS awards the Sandmeyer Prize 2017 to the team from F. Hoffmann-La Roche, namely

Dr. Stefan Hildbrand,
Dr. Gösta Rimmler,
Dr. Daniel Fishlock,
Dr. Pankaj Rege,
Dr. Carsten Peters,
Dr. Christian Mössner and
Dr. Ralph Diodone

for the development of an efficient industrial synthesis of Idasanutlin (a MDM2 antagonist for treatment of cancer) via a Cu(I)-catalyzed [3+2] Asymmetric Cycloaddition.

The award ceremony and the lecture will take place during the SCS Fall Meeting in Bern on August 21–22, 2017.

Past Sandmeyer Award Winners
2016: Sika Technology AG, Sika Deutschland GmbH, ETH Zürich and University of Colorado Boulder
2015: Actelion Pharmaceuticals Ltd, Hochschule für Technik und Architektur Fribourg and Swissi Process Safety
2014: Syngenta Crop Protection Münchwilen AG,
2013: Clariant Group R&D and CNRS-Université de Strasbourg
2012: Solvias AG

Balmer Prize 2017

The Swiss Chemical Society awards the Balmer Prize 2017 to ***Mr. Hansrudolf Dütsch***, Zürich, for his exemplary engagement over many years in the field of further education of high school teachers and for his idea to develop and run a web shop for innovative and illustrative chemistry experiments.

The ceremony is planned to be held during the event "Future of Chemical Education 2017, in Bern on August 21, 2017.

Past Balmer Prize Winners
2015: Francis Mingard, Gymnase de Nyon
2013: Thomas Berset, Kantonsschule Musegg Luzern

Dr. Max Lüthi Award 2017

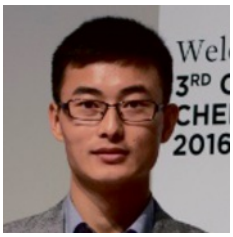
The SCS awards the Dr. Max Lüthi Prize 2017 to ***Mrs. Sonia De Andrade***, ZHAW, for her Bachelor Thesis and her contributions to the advancement and validation of printable biomaterials and their potential use as tissue models.

Mrs. De Andrade will give a talk about her thesis at the Swiss Snow Symposium in Saas-Fee on January 27–29, 2017 where also the ceremony will take place.

Past Dr. Max Lüthi Award Winners
2016: Flavio Gall, ZHAW Wädenswil
2015: Yvan Mongbanziama, HEIA Fribourg
2014: Yannick Stöferle, ZHAW Wädenswil
2013: Peter Elmiger, ZHAW Wädenswil;
Christophe Laporte, EIA Fribourg
2012: Lucie Sägesser, ZHAW Wädenswil

HONORS AND AWARDS

Jingshan Luo, EPF Lausanne, awarded the Clariant CleanTech Award 2016



Jingshan Luo got the distinction for his accomplishments in hydrogen fuel generation as a future energy source via solar water splitting.

The ceremony and the lecture were part of the the Clariant Chemistry Day that took place at University of Basel on October 12, 2016. Britta Fuenfstueck, member of the Executive Committee at Clariant, presented the award to the beaming winner: "Today's awardees achieved remarkable results that contribute to tackling the challenges of our society by creating product and process innovation."

Source: *www.scg.ch*

JOURNAL NEWS

ChemPubSoc Monthly Highlights, November 2016

First Video Abstracts for EurJIC and EurJOC

Ever tried presenting your research for a general audience? The first video abstracts visualizing your peers' research in this way are now available. Have a look: http://www.chemistryviews.org/view/0/videoabstracts.html.

Interested to see your own research presented this way? Take advantage of a Special Offer for authors of EurJIC/EurJOC sponsored by ChemPubSoc Europe, the union of chemical societies that owns these journals.

A Possible Approach to Help Avert Global Warming?

Scientists at the Oak Ridge National Laboratory in Tennessee have discovered a nano-spike catalyst that converts CO_2 directly into ethanol, an exciting discovery with implications for the future of renewable energy. Enjoy free access to these much talked about research findings in ChemistrySelect.

Virtual Issue on 2016 Nobel Prize in Chemistry

This Virtual Issue features a selection of papers by this year's Nobel Laureates on molecular machines that have been published in Wiley-VCH journals. The selected articles include both recent contributions and classic reports on the discoveries that led to the Nobel Prize. Read more on ChemistryViews.org.

ChemPhotoChem published first articles online

ChemPhotoChem has published its first batch of articles online! A couple of them are from board members and the overall quality is really high. We were very selective with what we accepted, or even sent out for peer review, to ensure a high quality from the start and I think this will pay off in the future.

INDUSTRIAL NEWS

Source: *www.chemmanager-online.com*

Valeant Selling Salix to Takeda?

November 3, 2016: Valeant Pharmaceuticals is in advanced discussions with Japan's Takeda to sell its Salix subsidiary for $10 billion, according to the US business newspaper Wall Street Journal. The paper said the purchase price of the stomach drug business, which the Canada-based, US-managed drugmaker bought in March 2015 for about $11 billion, would include about $8.5 billion in cash as well as future royalty payments to Valeant.

Investors have urged Valeant, which is said to be carrying $12 billion in bank loans, to reduce its debt burden. The Salix takeover also has come under scrutiny by the US Securities and Exchange Commission (SEC), while the US Congress is examining the company's former relationship with mail-order pharmacy Philidor on suspicion it used the pharmacy to falsify sales and drive selling prices. The Canadian company's former CEO, Michael J. Pearson, stepped down under pressure last year. In the meantime he has been replaced by Joseph Papa, who has hinted that the drugmaker may be looking to sell non-core assets to reduce debt and refocus on eye care and dermatology. Earlier reports suggested that Salix would not be among the assets up for sale, however. Takeda, which has come under pressure in its home market, is said to seeking to buy a company in the US and Europe. Without naming names, the company told the news agency Reuters it is "in discussion with many parties" about deals for drugs treating stomach diseases, cancer and other areas. Reuters said Takeda has staked its future on growth overseas after making two major non-Japanese acquisitions for a combined total of about $23 billion. In 2008, it acquired US-based Millennium Pharmaceuticals for $14,000 and in 2011 bought Switzerland's Nycomed. In late July of this year, the company's first non-Japanese CEO, Christophe Weber, unveiled plans for a $725 million reorganization that he said would concentrate R&D efforts in the US and Japan and also refocus the drug pipeline on its core therapy areas of cancer, gastrointestinal and central nervous system drugs, along with vaccines.

Roche Appoints Christiane Hamacher as APAC Head

November 3, 2016: Roche Pharmaceuticals Asia Pacific has appointed Dr. Christiane Hamacher as Head of Asia Pacific (APAC). She succeeds Alexander Hardy who was appointed Head of Global Product Strategy based in Switzerland.

Dr. Hamacher joined Roche in 2007 and was most recently General Manager of Roche Pharmaceuticals' Czech Republic business. Prior to joining Roche, Dr. Hamacher spent 10 years at Schering where she held various senior managerial positions. She received a PhD in Molecular Biology from the Ruhr University of Bochum, Germany. Dr. Hamacher will be based in Singapore and will lead more than 6,000 employees in 22 countries across the region.

EU to Probe Syngenta-ChemChina Deal in Depth

November 9, 2016: The European Commission has launched an in-depth investigation into ChemChina's plan to acquire Swiss agrochemicals producer Syngenta for $43 billion. The EU regulatory agency said the probe will explore whether the combination of Syngenta's pesticides with the generic alternatives produced by Adama Agricultural Solutions, an Israeli company controlled by ChemChina, presents competition concerns. EU officials said they expect to complete their review by March 15, 2017, about the same time the competition authority plans to make a decision on the planned merger of Dow and DuPont, which also partly impacts the agriculture sector. Simultaneously it will be looking at the proposed takeover of US seeds giant Monsanto by Germany's Bayer. Regulatory authorities in the US, Canada, Brazil and Australia are also reviewing the deals. According to the Commission, Syngenta and Adama have "strong overlapping portfolios" in crop protection products such as herbicides, insecticides, fungicides and plant growth regulators, markets that are already highly concentrated. "This deal would lead to the combination of a leading crop protection company with one of its main generic competitors. Therefore we need to carefully assess whether the proposed merger would lead to higher prices or a reduced choice for farmers," said EU Competition Commissioner Margrethe Vestager, Presenting company results in late October, Syngenta CEO Erik Fyrwald said regulatory approval of the Swiss company's deal with ChemChina was likely to be delayed into the first quarter of 2017 as regulators seek more information. Due to what it said was a lack of information, the Commission in mid-October again halted its review of the Dow-DuPont merger plans.

Lonza Opens Drug Product Services Labs in Basel

November 9, 2016: Speaking at the inauguration ceremony, CEO Richard Ridinger said the addition of drug product development services to its global offerings is the next part of Lonza's journey along the healthcare continuum, moving it closer to its customers and their patients. In the presence of journalists and dignitaries, Swiss specialty chemicals and biologics producer Lonza last week celebrated the grand opening of its new state-of-the-art pharmaceutical Drug Product Services laboratories located at Stücki Science Park in Basel, Switzerland. The new 1300 m^2 facility, which the company said employs 25 "highly qualified scientists," will focus initially on formulation development, drug product analytical development and quality control. Along with providing services such as particle testing or container closure integrity testing to enable safer medicines, the new Lonza laboratories will offer services to detect trace impurities in pharmaceutical products, including extractables and leachables from plastics used in manufacturing. All of the services will be offered as standalone or as part of a comprehensive drug product development program comprising formulation, stability, primary packaging, process development and manufacturing with an eye to patient usability and safety.

From the 15 locations reviewed, CEO Richard Ridinger said the company's home base of Basel was chosen for its first-ever drug product development facility as the city is a hub of innovation in the pharma industry. Located on the Rhine River, Basel is home to major international drugmakers such as Novartis and Roche as well as being a base for specialty chemicals. The new lab facility is headed by Hanns-Christian Mahler, who leads Lonza's Drug Product Services business. The executive led the departments of pharmaceutical development & supplies and formulation R&D biologics at Roche for ten years. At the same time, Lonza said it is implementing a new dedicated facility concept for small molecules using modern technologies, including extensive online analytical monitoring designed to facilitate real-time release testing. This dedicated train guarantees access to manufacturing capacity for Clovis and allows coverage of the full

range of anticipated demand scenarios for commercial supply, the company added. Rucaparib is a candidate targeting various cancer types through the inhibition of DNA-repair enzyme poly-ADP ribose polymerase-1, 2 and 3 (PARP-1, -2 and -3). The US Food and Drug Administration (FDA) has granted the molecule Breakthrough Therapy Designation for monotherapy treatment of patients with advanced ovarian cancer with BRCA-mutated tumors and who have been treated with two or more chemotherapies.

Clariant Catalyst Solves Styrene Process Problem

November 11, 2016: A "cutting-edge" catalyst that solves a critical problem in styrene production has been launched by Swiss specialty chemicals company Clariant. The Swiss specialty chemicals group's proprietary StyroMax UL3 catalyst is said to offer superior activity as well as enhanced selectivity in ultra-low steam-to-hydrocarbon (SHR) ratios, something that has been an ongoing challenge for styrene producers.

Styrene is made from ethylbenzene using superheated steam as an energy source and relies on catalysts to facilitate the required dehydrogenation reaction. As generating steam consumes considerable energy, plant process designs rely on ultra-low SHR conditions to reduce costs. But, as Clariant explained, previous generations of styrene catalysts have performed suboptimally at such low SHR conditions, demonstrating either favorable activity or selectivity, but not both. StyroMax UL3 was installed at Grand Pacific Petrochemical's styrene plant in Taiwan in May, and Clariant said design-rate production has already been achieved at lower temperatures than previous operations. In addition, catalyst selectivity has improved by 0.5% compared to previous performance. The catalyst's higher activity increases yields while better selectivity decreases the occurrence of by-products such as toluene and benzene, which are typically less valuable than the styrene. This results in increased productivity and significant savings for producers, said Clariant.

In separate news, Clariant Mining Solutions has boosted its geographical footprint with two acquisitions as well as increases in capacity. The company has agreed to buy Australian specialty chemicals supplier Chemical & Mining Services, as well as the specialty mining chemicals business of SNF Flomin, a US subsidiary of France's SNF Group. Financial details of the transactions were not revealed. In addition, Clariant Mining Solutions has opened its Mining Application and Development Center in Tucson, Arizona, USA, which now serves as the regional hub for mining research. The firm said the center's close proximity to key mining customers will provide more and better cooperation on customized products and solutions. An existing facility in Reserve, Louisiana, has also been expanded and is now able to blend chemicals for the mining industry. John Gordon, global head of Clariant Mining Solutions, said the investments strengthen its global position as a leading supplier of specialty chemicals to the mining market. He added that Chemical & Mining Services is a complementary strategic fit, while SNF Flomin expands Clariant's geographic footprint as well as its product and service portfolio.

Corbion and Total in PLA Joint Venture

November 18, 2016: Netherlands-based Corbion and French energy and petrochemicals group Total are linking up in a bioplastics joint venture in Thailand. The 50:50 joint venture, to be located in the Netherlands, will center on the production and marketing of polylactic (PLA) polymers. The new company is set to start operations in the first quarter of 2017, pending regulatory approvals. Groundbreaking ceremonies took place on Nov. 9. The partners will build a 75,000 t/y PLA polymerization plant at Corbion's existing site in Rayong, Thailand. It will produce Corbion's full range of Luminy polymers, from standard resins to high-heat resistant PLA, using proprietary technology from both Corbion and Switzerland's Sulzer. In addition, Corbion's lactide (PLA monomer) plant at Rayong, which will also become part of the jv, is to be expanded by 25,000 t/y. Details of capacity after the expansion were not provided. The Dutch company said it will be able to service both current and future customers after the expansion as well as produce a wider range of lactides than currently possible. Both the PLA plant and the extra lactide output are scheduled to be ready in the second half of 2018. "PLA is one of the first renewable, biodegradable polymers able to compete with existing polymers. The joint venture, which will combine Total's technical and marketing knowledge and leading position in polymers with Corbion's expertise in lactic acid and biopolymers, will enable us to supply innovative products and will accelerate market acceptance," said Corbion's CEO, Tjerk de Ruiter. For Total Refining & Chemicals, the investment fits with its One Total strategy of expanding in biofuels and bioplastics in addition to its traditional oil- and gas-based products, said its president, Bernard Pinatel. "The joint venture will allow us to supply an innovative material that is 100% renewable and biodegradable and that responds to sustainability concerns," he said. The PLA market is estimated to grow at an average annual rate of 10–15% to 2025, the companies said.

SCS Institutional Members 2016

We like to thank our institutional members for their collaboration in 2016. Without the support of our institutional partners and a strong link to academia and industry, it would not be possible to continue and develop our offer for the chemical community in Switzerland. Many thanks!

Member Societies:

- Verein Schweizerischer Amts- und Spitalapotheker (GSASA) (www.gsasa.ch)
- Swiss Association of Computational Chemistry (SACC)
- Swiss Society for Food Chemistry (SSFC) (www.sgluc.ch)
- Swiss Group for Mass Spectrometry (www.sgms.ch)
- Verein Schweizerischer Naturwissenschaftslehrerinnen und -lehrer (VSN) (www.vsn.ch)

Corporate Members and Member Universities

- Bachem AG, Bubendorf (www.bachem.com)
- BASF Schweiz AG, Basel (www.basf.ch)
- Cilag AG, Schaffhausen (www.cilag.ch)
- CIM Chemicals AG, Zug (www.cimchemicals.ch)
- Clariant International Ltd., Muttenz (www.clariant.ch)
- Dottikon Exclusive Synthesis AG, Dottikon (www.ems-dottikon.ch)
- ETH Zürich, Chemie Informationszentrum, Zürich (www.ethz.ch)
- ETH Zürich, Institut für Pharmazeut. Wissenschaften, Zürich (www.ethz.ch)
- F. Hoffmann-La Roche AG, Basel (www.roche.ch)
- FEBEX S.A., Bex (www.febex.ch)
- Firmenich SA, Genève (www.firmenich.com)
- Givaudan Schweiz AG, Dübendorf (www.givaudan.com)
- Givaudan Suisse SA, Vernier (www.givaudan.com)
- Helsinn Advanced Synthesis SA, Biasca (www.helsinn.com)
- INEOS Europe AG, Rolle (www.ineos.com)
- Ivoclar Vivadent AG, Schaan (www.ivoclarvivadent.com)
- Lonza AG, Visp (www.lonza.com)
- MDPI – Open Access Publishing (www.mdpi.com)
- Merck & Cie., Schaffhausen (www.merck.ch)

- METAS, Federal Institute of Metrology (www.metas.ch)
- Middlebury College, Middlebury (US) (www.middlebury.edu)
- Novartis Pharma AG, Basel (www.novartis.ch)
- Omya International AG, Oftringen (www.omya.com)
- Paul Scherrer Institut, Villigen PSI (www.psi.ch)
- Reijksuniversiteit, Groningen (NL) (www.rug.nl)
- Rolic Technologies Ltd., Allschwill (www.rolic.com)
- Schärer & Schläpfer AG, Rothrist (www.schaerer-surfactants.com)
- SICPA SA, Prilly (www.sicpa.com)
- Siegfried Ltd., Zofingen (www.siegfried.ch)
- Sigma-Aldrich Production GmbH, Buchs (www.sigmaaldrich.com)
- Sika Services AG, Zürich (www.sika.com)
- smeyers AG, Zürich (www.smeyers.ch)
- Société Suisse des Explosifs, Brig (www.valsynthese.ch)
- Syngenta Crop Protection Muenchwilen AG, Stein (www.syngenta.com)
- TCI Europe NV (www.tcichemicals.com)
- UCB FARCHIM SA, Bulle (www.ucb.com)
- UNIVEST SA, Saudi Arabia (www.univest.com.sa)
- Vifor (International) AG, St. Gallen (www.viforpharma.ch)
- VWR International GmbH, Dietikon (www.vwr.com)
- Vyzkumny Ustav Organickych Syntez, Pardubice-Rybitvi (CZ) (www.vuosas.cz)
- Zeochem AG, Uetikon (www.zeochem.ch)

Join us and become a member of SCS:
http://scg.ch/corporate-members or mail to *info@scg.ch*

Season's Greetings

Many thanks to all our members, partners, board members and co-workers who support us throughout the year. Merci!

May this holiday season sparkle and shine, may all of your wishes and dreams come true, and may you feel this happiness all year round.

All the best for 2017 and Happy New Year!

Your team from the SCS Head Office
Sarah & David

SCS Swiss Chemical Society