



SCS
Swiss Chemical
Society

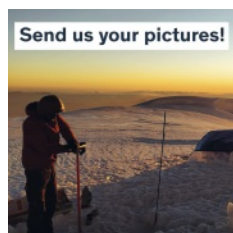
Community News

www.scg.ch

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SWISS CHEMICAL SOCIETY NEWS

SNSF Scientific Image Competition 2025



The Swiss National Science Foundation (SNSF) Scientific Image Competition encourages researchers working in Switzerland to present their works to the public and the media. Photographs, images and videos will be rated in terms of their aesthetic quality and their ability to inspire and amaze, to convey or illustrate knowledge, to tell a human story or

to let us discover a new universe.

Categories of the competition

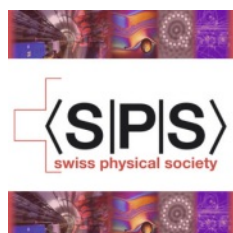
- Object of study (image)
- Women and men of science
- Locations and instruments
- Video loop

The competition is held annually. An international jury will meet at the beginning of the year and award a CHF 1,000 prize in each category for the winning entry, as well as CHF 250 for each distinction. The award-winning works are announced in spring 2025, displayed in an exhibition at the Biel/Bienne Festival of Photography and made available to the public and the media, as well as to scientific institutions.

The deadline for submissions is 31 January 2025.

More information: <https://snf.ch>

Call for Nominations for the Swiss Physical Society Prizes 2025



Since 1991 the Swiss Physical Society (SPS) awards prizes for outstanding achievements of young physicists. With these awards in various categories, sponsored by renowned institutions and companies, the SPS wishes to make its contribution to ensure high-quality research in Switzerland.

With the prizes in various categories, donated by renowned institutions and companies, the SPS would like to make its contribution to ensuring the continued high quality of research in Switzerland.

All SPS prizes are endowed with a prize money of CHF 5,000:

- SPS Prize donated by the ABB Switzerland Research Center AG for outstanding research work in all areas of physics
- SPS Prize donated by IBM for outstanding research work in the field of condensed matter
- SPS Prize donated by METAS for outstanding research work related to metrology
- SPS Prize donated by COMSOL for outstanding research work in the field of computer-aided physics
- SPS Prize donated by Hitachi Energy Switzerland for outstanding research work in the field of energy technology

- SPS Prize donated by Sensirion AG for outstanding research work in the field of sensor technology detection and monitoring
- SPS Prize donated by the company ID Quantique for outstanding research work in the field of quantum sciences and technologies

With these prizes, the SPG would like to recognize young physicists

physicists in the early stages of their careers, in any case before they reach a permanent academic position or, in the case of employment in industry, no later than 5 years after completion of their dissertation, for outstanding scientific work.

Details of the call for applications and the nomination process can be found on the SPS website. Deadline is March 1, 2025.

Source: www.sps.ch

New WSS-Research Center for Molecular Quantum Systems 2025



Thanks to a prestigious grant from the Werner Siemens-Foundation (WSS), the Universities of Basel and Bern are able to establish a joint research center for molecular quantum systems. They will receive joint funding of 15 million Swiss francs, which underscores the high quality of the research collaboration between the W. Inäbnit Labo-

ratory for Molecular Quantum Materials at the University of Bern, led by PD Dr. Shi-Xia Liu, and the Nanolino Laboratory at the University of Basel's Department of Physics, led by Prof. Ernst Meyer. The Werner Siemens-Foundation supports groundbreaking scientific research projects that meet the highest standards, show a high potential for application and address relevant problems or challenges of our time. The project, proposed by teams from both Universities in the fields of chemistry, experimental and theoretical physics, aims to develop a new technology platform for robust superconducting topological quantum bits (qubits) based on molecular components. The new WSS-research center is ready for an exciting decade of innovation.

Source: <https://www.dcbp.unibe.ch>

IUPAC International Award for Advances in Harmonized Approaches to Crop Protection Chemistry – Call for Nominations 2025



The International Award for Advances in Harmonized Approaches to Crop Protection Chemistry recognizes individuals in government, intergovernmental organizations, academia, and industry who have exercised personal leadership for outstanding regulatory, public policy, and/or educational contributions supporting international harmonization

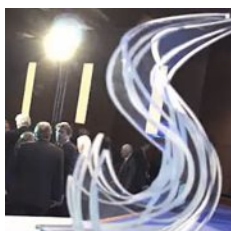
of crop protection chemistry. The award is administered by the IUPAC Advisory Committee on Crop Protection Chemistry, a subcommittee of the Chemistry and the Environment Division of IUPAC, and is presented on a roughly biennial basis.

The next award will be presented as part of the Agrochemicals Division program for the Fall 2025 American Chemical Society meeting in Washington DC, USA, during August 17-21, 2025. Awardees receive an honorarium of \$3,000 plus travel and registration reimbursement of up to \$2,500 to provide an in-person presentation and attend the award presentation ceremony. The awardee is expected to publish a review article on the topic of their lecture in the IUPAC journal Pure and Applied Chemistry.

Deadline for nominations is February 1, 2025.

More information: <https://iupac.org>

2025 IUPAC-Solvay International Award for Young Chemists – Call for applicants



The IUPAC-SOLVAY International Award for Young Chemists is intended to encourage outstanding young research scientists at the beginning of their careers. The awards are given for the most outstanding PhD theses in the general area of the chemical sciences, as described in a short essay. The award is generously sponsored by Solvay.

For this round, the awards will be presented at the 2025 IUPAC Congress, to be held in Kuala Lumpur, Malaysia, from 11-18 July 2025. Each awardee will be invited to present a poster on his/her research and to participate in a plenary award session, and is invited to submit a review article for publication in Pure and Applied Chemistry.

Deadline for nominations is February 15, 2025.

More information: <https://iupac.org>

IUPAC Announces the 2024 Top Ten Emerging Technologies in Chemistry



IUPAC has released the 2024 Top Ten Emerging Technologies in Chemistry. The goal of this initiative is to showcase the transformative value of chemistry and to inform the general public about the potential of chemical sciences to foster the well-being of Society and the sustainability of our planet. The Jury – an international panel of scientists with a

varied and broad range of expertise – reviewed and discussed the diverse pool of nominations of emerging technologies submitted by researchers from around the globe and selected the final top ten, covering a range of fields from synthesis and polymer

chemistry to health and machine learning. These technologies are defined as transformative innovations in between a discovery and a fully-commercialized technology, having outstanding potential to open new opportunities in chemistry, sustainability, and beyond.

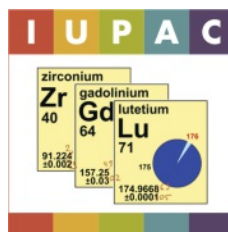
The 2024 finalists are (in alphabetical order):

- Active Adsorption
- Aptamers
- Bioinspired Nanofluidic Iontronics
- Electrochemical Nitrogen Cycle
- Frustrated Lewis Pairs
- Hydration Lubrication
- KRAS Inhibitors
- MXenes
- Neural Network Potentials
- Triboelectric Nanogenerators

This year again, the selection promotes cross-collaboration in chemistry to create exciting emerging technologies that bridge the gap between academia and industry, while continuing the current competitiveness of chemical manufacturers. The technology readiness level varies along the different solutions—nevertheless, all show a provocative promise to reimagine our world and our society. The new additions grow the list of emerging technologies to sixty.

More information: <https://iupac.org>

Standard Atomic Weights of three Technology Critical Elements revised



The IUPAC Commission on Isotopic Abundances and Atomic Weights (IUPAC CIAAW) regularly reviews literature data, leading to the identification of advancements in measurement science which leads to formal revisions of the recommended atomic weights of the elements (known as the standard atomic weight). This occurs rather infrequently,

each element being affected, on average, once every two decades.

The CIAAW met in August 2023 in the Hague, the Netherlands, under the leadership of Prof. Johanna Irrgeher (Montanuniversität Leoben, Austria). Following this meeting, the CIAAW recommends changes to the standard atomic weights of gadolinium (Gd), lutetium (Lu), and zirconium (Zr) based on recent determinations and evaluations of their terrestrial isotopic abundances:

Gadolinium: to 157.249 ± 0.002 from 157.25 ± 0.03

Lutetium: to 174.9668 ± 0.0001 from 174.9668 ± 0.0001

Zirconium: to 91.222 ± 0.003 from 91.224 ± 0.002

The CIAAW notes that the standard atomic weight of gadolinium was last revised in 1969 based on isotopic abundance measurements made in the 1940s. Since then, several studies dedicated to the measurement of the isotopic composition of gadolinium have been published which warrant a revised standard atomic weight. For lutetium and zirconium, there are more recent measurements available and their standard atomic weights were last revised by IUPAC in 2007 and 1983, respectively. These changes and considerations will be published in Pure and Applied Chemistry and can be found online at the website of the IUPAC Commission on Isotopic Abundances and Atomic Weights (ciaaw.org).

Source: <https://iupac.org>

Robert Kellner Lecture and DAC-EuChemS Award 2025 – Call for nominations



The Division of Analytical Chemistry (DAC) of the European Chemical Society (EuChemS) is pleased to announce the opening of nominations for two esteemed awards: the Robert Kellner Lecture 2025 and the DAC-EuChemS Award 2025. These awards recognise outstanding contributions to the field of Analytical Chemistry and celebrate excellence in research and education in Europe.

Individuals are kindly invited to submit their nomination for the award before the deadline of 30 November, 2024.

More information: <https://www.euchems.eu>

SCS Anniversary Members 2024



The board members of the Swiss Chemical Society would like to take this opportunity to congratulate our senior members who celebrate an SCS anniversary in 2024. We would like to express our special thanks to Marcel Bühlmann and Max Ribi who have been SCS members for 60 years.

Member for 60 years

Bühlmann Marcel R., Schenk
Ribi Max, Allschwil

Member for 50 years

Angst Christof, Zurich
Christen Philipp, Zurich
Denmark Scott E., Urbana (US)
Hauffe Suzanne, Allschwil
Riediker Martin, Seltisberg
Woggon Wolf-Dietrich, Binningen

Member for 40 years

Brändli Urs, Gränichen
Cotting Jacques-Alain, Basel
Darms Roland, Therwil
Häner Robert, Uetzingen
Huber Rolf, Arlesheim
Kühne René Oskar, Zurich
Looser Martin, Bottmingen
Maag Hans, Oberammergau
Renaud Philippe, Wabern
Roggo Silvio, Muttenz
Romann Andres, Rheinfelden

Member for 30 years

Aebischer Jean-Nicolas, Tafers
Arn Dieter, Basel
Boss Christoph, Burg im Leimental
Brodmeier Tilman, Kaiseraugst
Brun Kathrin, Zug
Collomb Philippe, Granges-Paccot
Daniel Raoul, Tannay
Emmenegger Lukas, Dübendorf
Fernandez Daniel, Châtelaine
Flachsmann Felix, Dübendorf
Heinz Thomas, Breitenbach
Herrmann Andreas, Le Muids

Hintermann Lukas, Aachen (D)
Hintermann Tobias, Therwil
Jaeschke Georg, Basel
Kind Lothar, Solothurn
Lacour Jérôme, Geneva
Lanz Martin, Thun
Manzetti Matthias, Gelterkinden
Meier Peter, Sissach
Mosimann Hervé, Grand-Lancy
Obst-Sander Ulrike, Reinach
Pfeifer Marc E., Cham
Piguet Claude, Dardagny
Pretôt Roger, Basel
Stämpfli Andreas A., Basel
Sting Andrea Rolf, Gipf-Oberfrick
Stojanovic Aleksandar, Basel
Tréand Christophe, Chervin
Wackernagel Felix, Olon
Wenger Wolfgang, Visp
Ziegler Marco, Zurich
Zollinger Kurt, Zurich

Member for 20 years

Amherd Ewald, Gamsen
Andrade Fraga Rui Pedro, Basel
Aslan-Gürel Evren, Zurich
Bisegger Pascal, Baden
Bornand Marc, Wädenswil
Butti Pietro, Bellinzona
Camponovo Francesco, Vacallo
Craig Wayne, Arlesheim
Danielsson Jonas, Riehen
Decor Anne, Langenfeld (D)
Derrer Samuel, Fällanden
Freisinger Eva, Pfaffhausen
Gallo Sofia, Zurich
Giovannoni Jérôme, Village-Neuf (FR)
Grether Uwe, Efringen-Kirchen (D)
Gschwend Björn, Breitenbach
Hollenstein Urs, Gommiswald
Kozlik Peter, Oberwil BL
Kümin Michael, Liestal
Mattei Patrizio, Riehen
Neidhart Werner, Basel
Nicoli Raoul, Epalinges
Niederer Daniel, Basel
Peterer Bruno, Collombey
Scapozza Leonardo, Eysins
Schäfer Martin, Sargans
Schlageter Markus, Binningen
Schmiedeberg Niko, Riehen
Schürch Stefan, Bätterkinden
Scopelliti Rosario, Lausanne
Seidel Thomas, Oberdorf BL
Seyfried Martin, Feldmeilen
Sifferlen Thierry, Wentzwiller (FR)
Signorell Ruth, Vancouver (CA)
Spühler Christian, Aigle
Szczebanik Waldemar, Krakau (PL)
Vasella Andrea, Farschno
Vermathen Martina, Bern
Weber Matthias, Muttenz
Weder Christoph, Fribourg

Member for 10 years

Abela Florian Gérald, Rolle
Agorastos Nikos, Thalwil

Barluenga Sofia, Nyon
 Baudoin Olivier, Mulhouse
 Blank Jarred, Weil am Rhein (D)
 Bleiner Davide, Dübendorf
 Breider Florian, Lausanne
 Broggin Diego, Zurich
 Eggertswyler Christophe, Kaiseraugst
 Gobbi Luca, Buus
 Godineau Edouard, Folgensbourg (FR)
 Gotzmann Carla, Zurich
 Heerklotz Jörg, Zurich
 Janssen Elisabeth, Dübendorf
 Jenelten Urban, Arzier
 Kamptmann Sonja, Weil am Rhein (D)
 Kolleth-Krieger Amandine, Stein
 Link Achim, Bad Krozingen (D)
 Lucarini Fiorella, Marly
 Ludwig Peter Eladio, Zurich
 Mazzanti Marinella, Lausanne
 Merz Leo, Bern
 Meyer Christoph, Wyhlen
 Padeste Lukas, Binningen
 Puigmarti-Luis Josep, Barcelona (ES)
 Riedo Andreas, Bern
 Ruiz Cortes Jesus Manuel, Mézières
 Sakai Naomi, Geneva
 Schäfer Gabriel, Staad
 Schlotterbeck Götz, Efringen-Kirchen (D)
 Schnitzer Tobias, Freiburg (D)
 Siriwardena Thissa Nuwan, Bern
 Stoessel Barbara, Visp
 Tilley David, Zürich
 Turcatti Gerardo, Lausanne
 Ulianov Alex, Riddes
 Vogel Ernst, Disentis
 Wahl Joel, Ziefen
 Weder Oliver, Rheineck

A Warm Welcome to Our New Members!

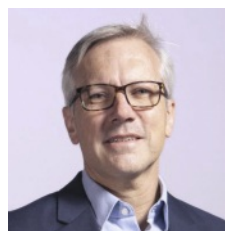


Period: 29.10.2024–18.11.2024

Sophie Anferov, Zurich - Victor Felix Øyvinn Böttcher, Zurich- Ian Chaon, Basel - Bee Ha Gan, Bern- Tristan Georges, Lausanne - Danial Ghamari, Zurich- Pierre Gilbert, Basel - Perle Hermant, Zurich - Elsa Huebsch, Zurich - Zarko Ivkovic, Zurich- Marcel Janák, Zurich - Erica Kataoka, Bern - Yaling Ke, Zurich - Filip Koldzic, Chavannes pres Renens - Simon Krug, Zurich - Alicia Lauwers, Le Mouret - Matthieu Lebeau, Basel- Marcel Levien, Lausanne- Shuailong Li, Basel - Feize Li, Zurich - Evangelia Liari, Basel- Kseniia Malkova, Basel - Eva J. Meeus, Zurich - Dea Morina, Krattigen - Debaarjun Mukherjee, Zurich- Alexander Oing, Zurich- Philippe-Alexandre Poisson, Carouge - Daniela Polino, Viganello - Ioana-Maria Popa, Würenlingen - Gianluca Righetti, Bern - David Salazar Marcano, Basel - Mauro Schindler, Oensingen- Charles Sidhoum, Zurich - James Southwell, Zurich - Houyun Teng, Basel- Máté Visegrádi, Lausanne - Anna Weinfurter, Zurich - Max Wiedmaier, Islikon Sylvie Wigmans, Fribourg - Harry Wilson, Basel.

HONORS, AWARDS, APPOINTMENTS

Prof. Roger Marti, HEIA-FR appointed Head of the SATW Topical Platform Chemistry



Prof. Roger Marti, Haute école d'ingénierie et d'architecture de Fribourg, has been head of the Swiss Academies of Technical Sciences' (SATW) topical platform Chemistry since this year. Its main task is the early identification of problems and opportunities in the fields of chemistry, biochemistry and pharmacy that are relevant to Swiss industry. Environmental risks are also monitored in these areas.

Roger Marti starts his term of office under the slogan: Innovation thanks to networking. Read the full-interview on: <https://www.satw.ch>

Ruzicka Prize 2024 given to Prof. Murielle Delley, University of Basel



Prof. Murielle Delley, University of Basel receives the 2024 Ruzicka Prize. The Ruzicka Award Ceremony 2024 will take place on February 14, 2025, 5-6 pm in the HCI building, Höggerberg.

The Ruzicka Prize, named after the ETH professor and Nobel laureate Leopold Ruzicka, is one of the most important awards for the promotion of young scientists in the field of chemistry in Switzerland. The prize is endowed with CHF 10,000. Source: <https://chab.ethz.ch>

Prof. Jean-Christophe Leroux, ETH Zurich wins PHOENIX Pharmacy Science Award 2024



Prof. Jean-Christophe Leroux, ETH Zurich has been awarded with the Phoenix Pharmacy Science Award 2024. Together with his group, Prof. Leroux developed an artificial suction cup that allows medications to be absorbed through the mucosal lining of the cheeks. This new method could spare patients, especially children, the fear and pain associated with injections.

With the PHOENIX Pharmacy Science Award, the PHOENIX group promotes outstanding pharmaceutical research in Germany, Austria and Switzerland and thus strengthens the pharmaceutical value chain in the long term. Among this years winners is Jean-Christophe Leroux. He receives the prize for the development of an artificial suction cup that is placed in the oral cavity and can deliver medication. The method can replace the drug delivery via syringes. Check out the video following the link. Source: <https://chab.ethz.ch>

SCS AWARD WINNERS 2025

It's our pleasure to announce the winners 2025 of the SCS Scientific Award Programs. We would like to sincerely congratulate the winners for their outstanding scientific contributions, and we are looking forward to the award ceremonies and lectures that will take place at one of our upcoming SCS events.

Werner Prize 2025

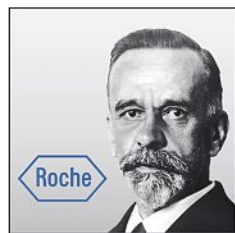


Prof. Dmitry Katayev, University of Bern receives the prize for his excellence in research and important milestones advancing light and electricity driven carbon-hydrogen (CH) functionalization methodologies for a variety of substances, spanning from common feedstocks to complex molecules and materials

The prize is endowed with CHF 10'000 and a medal in bronze. The award lecture will take place at the SCS Spring Meeting in Bern on April 24, 2025.

<https://scg.ch/werner>

Sandmeyer Prize 2025



The SCS honors

Dr. Stephan Bachmann, Dr. Raphael Bigler, Dr. Dainis Kaldre, Dr. Dominique Kumli, Dr. René Lebl, Dr. David Linder, Dr. Ugo Orcel, Dr. Isabelle Prévot and Dr. Jörg Sedelmeier from F. Hoffmann-La Roche Ltd.

in recognition of the team's outstanding achievements to enable the commercial

manufacturing process of Divarasib.

The award is endowed with CHF 20'000. The award lecture will take place at the 17. Freiburger Symposium on April 4, 2025 and the SCS Fall Meeting in Zurich on September 4, 2025.

<https://scg.ch/sandmeyer>

SCS Senior Industrial Science Award 2025



Dr. Henrik Möbitz, Novartis Pharma AG receives the prize for his outstanding contributions to medicinal and computational chemistry.

The prize is endowed with CHF 10'000.

The award lecture will take place at the Swiss Industrial Chemistry Symposium (SICS) in Basel on January 30, 2026.

<https://scg.ch/industrial-science-awards>

SCS Industrial Science Award 2025



Dr. Myriem El Qacemi, Syngenta Crop Protection AG, receives the prize for her outstanding contributions to synthetic chemistry and its links to broader life sciences.

The award is endowed with CHF 7'000.

The award lecture will take place at the SCS Fall Meeting 2025 in Zurich on September 4, 2025.

<https://scg.ch/industrial-science-awards>

Grammaticakis-Neumann Prize 2025



Prof. Julian G. West, Rice University, Houston

receives the award for his creative and innovative research program focused on harnessing the unique reactivity of free radical intermediates using innersphere photocatalysis to enable powerful, previously impossible reactions

The prize is endowed with CHF 5'000 and a certificate.

The award lecture will take place at the SCS Fall Meeting 2025 in Zurich on September 4, 2025.

<https://scg.ch/grammaticakis-neumann>



Season's Greetings

Many thanks to all our members, partners, board members and co-workers who have supported us over the past year. Merci!

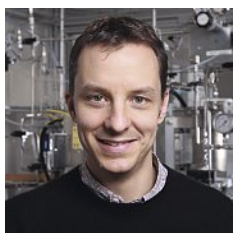
We hope that this Christmas season may sparkle and shine, that all your wishes and dreams may come true and that you may feel this happiness all year round.

All the best for 2025 and Happy New Year!

Your team from the SCS Office
Sarah, Céline, Robert, Hans Peter & David



Green & Sustainable Chemistry Award 2025



Prof. Jeremy Luterbacher, EPFL Lausanne receives the award for his development of an innovative technology towards depolymerizing lignin from biomass.

The prize is endowed with CHF 10'000 and a certificate. The award lecture will take place at the SCS Fall Meeting 2025 in Zurich on September 4, 2025.

<https://scg.ch/green-sustainable-chemistry-award>

Balmer Prize 2025



Dr. Thomas Hari und Dr. Daniel Brunner, Gymnasium Thun werden ausgezeichnet für die Entwicklung einer Vielzahl von innovativen, interdisziplinären Projekten für das gemeinsame Schwerpunktfach Biologie-Chemie sowie für Unterrichtsmodule im Rahmen der MINT-Förderung am Gymnasium Thun.

Der Preis ist mit CHF 4'000 und einer Bronze Medaille dotiert.
<https://scg.ch/balmer>

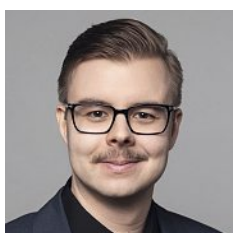
Dr. Max Lüthi Prize 2025



Herr Nils S. Hänggi, FHNW Muttenz wird geehrt für seine herausragende Bachelorarbeit «Production and Characterization of Metabolites of Synthetic Cannabinoids».

Der Preis ist mit CHF 1'000 und einer Bronze Medaille dotiert.
<https://scg.ch/max-luethi>

Cancer Drug Discovery Research Award 2025



Dr. Lukas Schneider, University of Zurich receives the award for his PhD research at the University of Zurich on “Novel Photoactivatable Agents for Cancer Treatment”.



Dr. Zuzanna Kozicka, Harvard Medical School and Dana-Farber Cancer Institute receives the award for her PhD thesis at the Friedrich Miescher Institute for Biomedical Research, Basel, entitled “Molecular glue degraders of cyclin K”.

The award is endowed with CHF 5'000 for each of the two candidates and is sponsored by RGCC International.
<https://scg.ch/cancer-award>

Picture Sources: Prize winners of the SCS Awards 2025.

JOURNAL NEWS

Helvetica, Volume 107, Issue 11, November 2024



Perspective

The pK_a of Water and the Fundamental Laws Describing Solution Equilibria: An Appeal for a Consistent Thermodynamic Pedagogy

Thomas L. Neils, Stephanie Schaeltel, Todd P. Silverstein

Research Article

Facile Synthesis of Phthalazinone/Isoindolinone Substituted Fluorescence Active Indolo[1,2-*a*]quinoxaline Derivatives via ANRORC and Fluorescence Turn Off Sensing of Fe^{2+}

Arun Dhurey, Dr. Saheli Sarkar, Prof. Dr. Animesh Pramanik

Total Synthesis of Tagitinins, Goyazensolide and Related Furano-heliangolides and their Covalent Interaction with Importin-5 (IPO5)

Weilong Liu, Rémi Patouret, Elsa Peev, Sofia Barluenga, Nicolas Winssinger

A Chiral Propeller-Shaped Triple Helicene Shows Multi-Resonant Thermally Activated Delayed Fluorescence

Jingxiang Wang, Jhon Sebastian Oviedo Ortiz, Aidan P. McKay, David B. Cordes, Jeanne Crassous, Eli Zysman-Colman

Electronic Structures of Late versus Early Transition Metal Imido Complexes from ^{15}N -NMR Signatures

Yuya Kakiuchi, Christophe Copéret
Website: <https://onlinelibrary.wiley.com/journal/15222675>

INDUSTRIAL NEWS

Source: www.chemanager-online.com

Lonza Completes Acquisition of Vacaville Biologics Lonza to Expand Bioconjugation in Visp, Switzerland

November 11, 2024: Lonza, a global contract development and manufacturing organization (CDMO) for the pharmaceutical, biotech, and nutraceutical markets, announced today that it will invest in additional bioconjugation capabilities in Visp, Switzerland. The expansion will add two multipurpose 1,200 L manufacturing suites and manufacturing-related infrastructure to the existing bioconjugation facility in Visp for launch and commercial supply. The new capacity will generate approximately 200 new jobs and is expected to be operational from 2028. The new suites will occupy approximately 2,000 m² and double Lonza's multipurpose capacity for the launch and commercial supply of bioconjugates. The flexible multi-customer suites are designed to run the increasingly complex and variable processes needed to manufacture antibody-drug conjugates (ADCs) and other bioconjugates maturing through the drug pipeline. The additional bioconjugation suites will support the growth of Lonza's leading bioconjugation offering, spanning manufacturing for early phase clinical development, large-scale manufacture for launch and commercial supply, and will include drug product filling capability. This investment follows the recently announced customer-dedicated bioconjugation expansion. Christian Morello, Vice President, Head of Bioconjugates, Lonza, commented, “We continue to see strong growth in the bioconjugates space as ADCs

and other bioconjugated drugs increasingly progress towards commercialization. This investment in our multipurpose commercial bioconjugation capacity addresses the growing market demand, enables us to support the growth of our customers and offers a flexible and integrated service for manufacturing bioconjugates.” As part of Lonza’s emission reduction strategy, the manufacturing suites follow sustainability design standards for new builds that include energy-efficient water heating systems, air supply and lighting solutions, leading to a significant decrease in carbon footprint compared to traditional design solutions. In addition, technology for improved cytotoxic liquid waste management will reduce waste by up to 90%.

Siegfried Opens New Biologics Laboratory in Zurich

November 13, 2024: Dinamiqs, a company specializing in the development and production of viral vectors and part of the Swiss Siegfried Group since May 2023, has inaugurated its new research and development laboratories in Bio-Technopark Zurich. The new laboratory capacities offer leading technologies in the field of viral vector process development and manufacturing.

This expansion marks another milestone in Siegfried’s efforts to further strengthen its biologics offering, particularly in the rapidly growing cell and gene therapy market. The state-of-the-art laboratory includes world-class pilot facilities that will enable Dinamiqs to offer viral vector design, analysis, and manufacturing services to meet the growing needs of the cell and gene therapy market. The laboratory is an integral part of Dinamiqs’ 2,500m² cGMP manufacturing facility, which is currently under construction and will be operational by the end of 2025. This facility will have a production capacity of up to 1,000 liters for the manufacture of viral vectors for research and develop-

ment, clinical trials, and commercial purposes. “Aligned with Siegfried’s strategy Evolve+, the new lab facility marks a key milestone in Dinamiqs’ journey to becoming the leading CDMO in the cell and gene therapy space,” commented Marcel Imwinkelried, Chief Executive Officer Siegfried. “The team is making significant strides toward bringing Dinamiqs’ capabilities to commercial scale.”

“We know about the importance of leading process development and analytics for the success of viral vector projects,” added Martin Kessler, Chief Executive Officer Dinamiqs. “This is why we have expanded our Swiss labs significantly. From the optimization of genomes to GMP scale-up, our clients now get everything out of one hand.”

Source:
CHEManager | CHEManager International
Wiley-VCH GmbH
69469 Weinheim, GERMANY
E-Mail: chemanager@wiley.com

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