



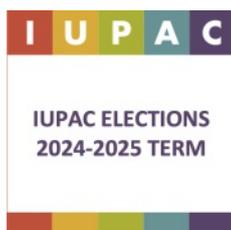
SCS
Swiss Chemical
Society

Community News

www.scg.ch

SWISS CHEMICAL SOCIETY NEWS

IUPAC Elections for the 2024–2025 Term



Every two years, IUPAC holds an election for its officers and committee members. About 120 individuals are to be elected or reelected either as Titular Members, Associate Members, or National Representatives.

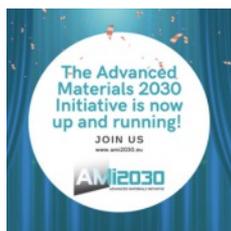
Any qualified individual who is interested in being nominated is invited to contact his/her National Adhering

Organization (NAO) and/or the current committee officers. The election will cover a two-year term that will start in 2024. Every division committees and standing committees will have vacancies. As part of the nomination procedure, NAOs are invited to submit curriculum vitae for each nominee to the IUPAC Secretariat no later than 1st February 2023. In addition, Affiliate members in good standing who are current for the years 2022 and 2023 are eligible to participate in the nomination process via self-nomination. They are eligible for AM positions on Divisions and Standing Committees, irrespective of country of residence. Similarly, employees of current Company Associates are eligible for AM positions.

Elections for each committee will take place during the second trimester of 2023 and the 2024–2025 memberships for all committees will be finalized during the next IUPAC General Assembly in August 2023. Individuals interested in becoming IUPAC officers or members of the IUPAC Executive Board and Science Board should contact their NAOs. Nominations for officers have a different timeline and can only be made by an NAO. Officers elections will take place at the Council Meeting during the 2023 General Assembly in The Hague, NL.

More information: iupac.org

The Advanced Materials 2030 Initiative is now up and running



The Advanced Materials 2030 Initiative was born with the aim to accelerate the development of sustainable advanced materials as the backbone of the green and digital transition and a source of prosperity and sovereignty in Europe. This will be achieved through an ambitious Research and Innovation Agenda, feeding a pipeline of industrial projects, as well as

through mobilising resources and actors, like you. Therefore, we ask for your support. We invite you to join the Advanced Materials 2030 Initiative and contribute in the coming months to translate the draft roadmap released in June 2022 into an actionable Strategic Research and Innovation Agenda.

Scope

Driven by Europe's green and digital transitions, the Advanced Materials 2030 Initiative is addressing advanced materials discovery and development, associated manufacturing and processing technologies, integration into components and products and life-cycle management.

Working Methods

The Advanced Materials 2030 initiative provides an open and inclusive forum to coordinate and maximise the impact of joint actions and projects by engaging all stakeholders of the advanced materials ecosystems in Europe. For the year to come, the operational work of the initiative will be organised in thematic working groups according to the key pillars identified in the draft roadmap:

- Activities to accelerate digitalisation in product innovation
- Activities for new materials manufacturing, processing and scaling up
- Prioritisation within the Materials Innovation Markets
- Policy support
- Identification and setting up of supporting instrument(s)

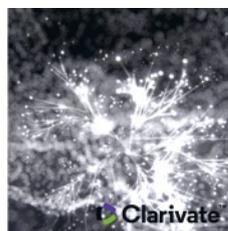
All the organisations joining the initiative will be invited to actively contribute to these working groups.

Who can join

Any European organisation with activities of significant relevance for advanced materials development, production and use, that commits to developing sustainable advanced materials value chains for Europe, can join the initiative at any time (in particular industrial companies, research and technology organisations, academics, and also policymakers, civil society, NGOs,...).

More information: ami2030.ch

Annual Ranking of Highly Cited Researchers



The annual ranking lists 6,602 researchers from more than 70 countries worldwide who have strongly influenced their own or several research fields through their publication activities. The list includes the most cited publications between January 2010 and December 2021.

Switzerland ranks 10th with 102 highly cited researchers. The sharp decline of 7% for Switzerland since last year is anomalous and reflects a change in the methodology: Papers with more than 30 institutional addresses were removed from the analysis in past years, but this year the papers were eliminated with more than 30 authors or group authorship. The change, which was judged an improvement in reasonably crediting individual authors – the previous use of institutional addresses was a heuristic – happened to impact Switzerland heavily and especially researchers at the Swiss Institute of Bioinformatics, which produces a significant number of highly cited papers with many authors but few institutional addresses.

The headline story then, as it has been lately, is one of sizeable gains for Mainland China and large losses for the United

States, which reflects a transformational rebalancing of scientific and scholarly contributions at the top level through the globalization of the research enterprise. The university with the greatest number of highly cited researchers is Harvard, as it has been in past years. Its 214 highly cited researchers for 2021 places it well ahead for the second ranked Chinese Academy of Sciences, with 194 and the third ranked Stanford University, with 122.

Source: *clarivate.com*

Ernst Schering Prize 2023 – Call for Nominations



The prestigious Ernst Schering Prize annually honors outstanding scientists whose groundbreaking work has yielded new, inspiring models and led to fundamental shifts in biomedical knowledge. As of now, we invite both established scientists and scientific research institutions and societies to nominate candidates for this prize.

More Information: *scheringstiftung.de*

SCS Anniversary Members 2022



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 2022. We would like to express our special thanks to Alfred Bauder, Paul Doswald, Walter Fuhrer, Ernst Peterli, Walter Ruch, Peter Schwaninger and Günter Wolf who have been SCS members for 60 years.

Member for 60 years

Alfred Bauder, Zurich
Paul Doswald, Reinach
Walter Fuhrer, Lupsingen
Ernst Peterli, Bottmingen
Walter Ruch, Spiegel
Peter Schwaninger, Schaffhausen
Günter Wolf, Windisch

Member for 50 years

Michel Geoffroy, Perly
Reinhard Hobi, Maur
Paul Hug, Geuensee
Bernhard Kräutler, Innsbruck (AT)
Othmar Leukart, St. Pantaleon
Peter Oggenfuss, Stein
Rolf Schurter, Allschwil
Helmut Wenck, Schloss Holte-Stukenbrock (D)

Member for 40 years

Theo Berclaz, Geneva
Roger Meuwly, Courmoullens
Thomas S. Kowalski, Zurich
Clemens Anklin, Westford (US)
Georges Haas, Muttenz
Jesper Hansen, Winterthur
Bruno Bernet, Zürich
Martin Quack, Pfaffhausen
Max Hunziker, Dürdingen
Reto Fischer, Rheinfelden

Member for 30 years

Reto Niklaus Moser, Langnau
Stefan Bürki, Pfeffingen
Stefan Peterli, Bottmingen
Christian Bochet, Genolier
Christiane Löwe, Illnau
Laurent Bigler, Grüningen
Felix Oldani, Gelterkinden
Pierre-Yves Morgantini, Tannay
Peter von Matt, Basel
Eric Vauthey, Geneva
Thomas Kienzler, Allschwil
René Beerli, Binningen
André R. Chaperon, Pfeffingen
Andreas Paul Gloor, Riehen
Daniel Kaufmann, Bättwil
Max Schellenbaum, Muttenz
Patrick Schnider, Bottmingen
Peter Walde, Windisch
Roger Marti, St. Ursen
Konrad Hädener, Thun
Markus Bänziger, Naters
Michel Pelletier, Genève
Stephan Lauper, Magden
Titus A. Jenny, Villars-sur-Glâne
Benno Blickenstorfer, Basel
Jean-Claude Gehret, Aesch
Felix Escher, Aathal-Seegräben
Martin Hans Bolli, Oberwil
Robert Dahinden, Reinach
Andreas Hauser, Bern
Martin Geiser, Gelterkinden
Samuel Hintermann, Basel
Jürgen Gück, Liestal
Hans Fierz, Allschwil

Member for 20 years

Otmar Deflorin, Bern
Dominik Brühwiler, Widen
Gianpietro Melone, Binningen
Jean-Jacques Sauvain, Bex
Dieter Muri, Basel
Pascal Grundler, Lausanne
Nikolaus Bieler, Brig-Gils
Michael Löpfe, Fahrwangen
Simon Langenegger, Utzenstorf
Loïc Dayon, Colombier
Oliver Schwardt, Binzen
Gérard Hopfgartner, Geneva
Anne-Sophie Chauvin, Lausanne
Stefan Spichiger, Wädenswil
Shi-Xia Liu, Münsingen
Dario Neri, Otelfingen
Stefan Dolder, Bern
Georg Artus, Hedingen
Carine Manca Tanner, Olten
Timothée Barrelet, Rubigen
Fabio Zobi, Zurich
Michael Ramin, Thierachern
Jann Frey, Olten
Jean-François Dumas, Pully
Roman Leist, Bremgarten b. Bern
Jeroen A. van Bokhoven, Zurich
Antonio De Agostini, Stettlen
Gamze Belin, Allschwil
Christophe Roussel, Lausanne
Bernhard Urwyler, Le Bouveret

Claude Schärer, Gelterkinden
 Thomas Knöpfel, Basel
 Lubos Remen, Allschwil
 Anastasia Domazou, Zurich
 Dominic Rossi, Birkenau (D)
 Lucio Porporini, Zurich
 Daniel Berger, Schlosswil
 Peter Altmann, Walenstadt
 Georg Seyfang, Niederweningen
 Manuel Hofer, Bern
 Annette Hougen, Fidaz
 Nicolas Christinat, Lausanne
 Stefan Berger, Burgdorf
 Branko Stanovnik, Vrhnika (SI)
 Remo Gamboni, Allschwil
 Jay Siegel, Schmerikon
 Olivier Bezençon, Riehen

A Warm Welcome to Our New Members!



Period: 03.11.–21.11.2022

Pownthurai Balasubramaniam, Geneva - Jozica Dolenc, Zurich - Olivia Eggenberger, Basel - Bindhumadhavan Gururajan, Basel - Md Zakirul Islam, Effretikon - Elizaveta Maksimova, Basel - Dávid Pál, Lausanne - Lijuan Pang, Basel - Muhammed

Jibin Parammal, Basel - Jeremy Roudin, Zurich.



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 2023 and Happy New Year!

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



HONORS AND AWARDS

Karl-Heinz Ernst honoured by the Japan Society of Vacuum and Surface Science



Prof. Karl-Heinz Ernst, Titularprofessor at the Department of Chemistry, received the “JVSS-Microbeam Analysis Award” from the Division of Microbeam Analysis (MBA) of the Japan Society of Vacuum and Surface Science (JVSS). This award is given to individuals who have achieved outstanding research results in the field of microbeam analysis

and have made significant contributions to the MBA Division of JVSS. Former recipients include outstanding researchers from the field of electron microscopy and surface science such as Harald Rose, Harald Ibach, Gabor Somorjai, Hajo Freund, etc. The price has been endowed to Prof. Ernst at the Atomic Level Characterization Conference in Okinawa, Japan, in October 2022.

source: chem.uzh.ch

SCS AWARD WINNERS 2023

It's our pleasure to announce the winners of the 2023 SCS Scientific Award Programs. We would like to sincerely congratulate all 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 2023



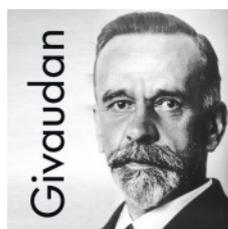
Prof. Victor Mougel, ETH Zurich receives the prize for his research at the interface of molecular, surface, and materials chemistry, encompassing lanthanide/actinide coordination, bioinorganic and materials chemistry as well as electrochemistry and catalysis and especially for the development of high efficiency systems for solar-driven conversion of

CO₂ to hydrocarbons based on a bioinspired approach.

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 Zurich on April 14, 2023.

scg.ch/werner

Sandmeyer Prize 2023



The SCS honors Dr. Agnes Bombrun, Dr. Boris Schilling, Dr. Eric Eichhorn and Dr. Fridtjof Schröder from **Givaudan Schweiz AG, and its project team Ambrofix ((-)-Ambrox)**

for their outstanding research contributions that led to the development of an innovative and even more importantly an industrially viable and sustainable

process for Ambrofix™ ((-)-ambrox) using green chemistry and biotechnology.

The award is endowed with CHF 20'000.

The award lecture will take place at the 16. Freiburger Symposium on April 28, 2023 and at the SCS Fall Meeting in Bern on August 25, 2023.

scg.ch/sandmeyer

Distinguished Industrial Science Award 2023



Dr. Alain De Mesmaeker, Syngenta Crop Protection AG (retired) is honored for his exceptional research career in numerous research areas, always focused on scientific excellence, and for his ongoing commitment to human development and mentoring that has shaped and inspired multiple generations of scientists and leaders.

The award is endowed with CHF 15'000.

The award lecture will take place at the SCS Fall Meeting in Bern on August 24, 2023.

alaindidier.demesmaeker@gmail.com

Senior Industrial Science Award 2023



Dr. Robin Fairhurst, Novartis Pharma AG receives the prize for his outstanding contributions to the discovery and optimization of several drug development candidates, many of which have reached the clinic and even the market.

The prize is endowed with CHF 10'000. The award lecture will take place at the SCS Fall Meeting in Bern on August 25, 2023.

Industrial Science Award 2023



Dr. Uwe Grether, F. Hoffmann-La Roche AG

receives the prize for his tremendous impact on medicinal chemistry, focused on the discovery and characterization of small molecules that modulate the activity of the endocannabinoid system for the treatment of various important diseases, and thus for his direct

impact on the preclinical and clinical drug discovery portfolio at Roche.



Dr. Tomáš Šmejkal, Syngenta Crop Protection AG is awarded for his high impact track record in process chemistry and technology that has truly enabled projects and have seen the journey from process research through development and ultimately to commercial scale implementation.

The award is endowed with CHF 7'000.

The award lectures will take place at the SCS Fall Meeting in Bern on August 25, 2023.

scg.ch/scs-industrial-awards

Swiss Green & Sustainable Chemistry Award 2023



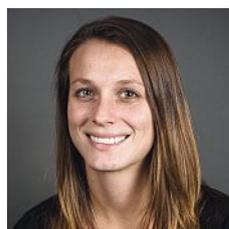
Prof. Ali Coskun, University of Fribourg receives the prize for his outstanding contributions towards the development of sustainable polymers for catalysis, energy and environmental applications.

The award is endowed with CHF 10'000 and is sponsored by Syngenta Crop Protection AG.

The award lecture will take place at one of our upcoming events in 2023 and will be announced in due time.

scg.ch/green-and-sustainable-chemistry-award

Grammaticakis-Neumann Prize 2023



Prof. Lea Nienhaus, Florida State University (USA)

is awarded for her nationally and internationally recognized research program in Light-Matter Interactions in Semiconductors probing the influence from the macroscale to nanoscale.

The prize is endowed with CHF 5'000.

The award lecture will take place at the

SCS Fall Meeting in Bern on August 25, 2023.

scg.ch/grammaticakis-neumann

Balmer Prize 2023



Dr. Stefan Dolder, Gymnasium und FMS Lerbermatt, Köniz b. Bern

wird geehrt für sein grosses Engagement und seine Ideen zur Verbesserung des Unterrichts, insbesondere für das mangels verfügbarer Software selbst entwickelte Mac-Zeichenprogramm MoleculeSketch zur Darstellung von chemischen Strukturen.

Der Preis ist mit CHF 4'000 und einer Bronzemedaille dotiert. Der Vortrag findet im Rahmen des ChemEdu-Events am 24. August 2023 in Bern statt.

scg.ch/balmer

Dr. Max Lüthi Prize 2023



Frau Fabiana Bächli, ZHAW Wädenswil wird geehrt für ihre herausragende Bachelorarbeit «Mesoporöse bioaktive Glasnanopartikel für den Wirkstofftransport»

and



Ms. Alicia Rodrigues Machado, HEIA Fribourg

receives the prize for her outstanding Bachelor project: «Process design and scale-up studies using single-atom heterogeneous catalysts for the synthesis of an API intermediate»

The prize is endowed with CHF 1'000 each and a medal in bronze.

scg.ch/max-luethi

JOURNAL NEWS

Helvetica published first article on Synthetic Procedure



Helvetica expanded its portfolio of accepted articles and published the first manuscript on ‘Synthetic Procedures’: Large-scale synthesis of 4-methyl-2-(2H-1,2,3-triazol-2-yl)benzoic acid – a key fragment of Single Orexin Receptor Antagonist ACT-539313 – via Cu₂O-catalyzed, ligand-free Ullmann-Goldberg Coupling

Gabriel Schäfer, Tony Fleischer

First published: 11 November 2022, DOI: <https://doi.org/10.1002/hlca.202200162>

«I am sure this will have a positive impact for Helvetica and the entire Swiss chemical society. We feel proud to have contributed the “inaugural manuscript”.» Gabriel Schäfer mentioned after the publication. Congratulations!

Contact: Dr. Richard J. Smith, Executive Editor, Helvetica Chimica Acta, rismith@wiley.com

Helvetica, Volume 105, Issue 11, November 2022

Perspectives

X-Ray Crystallographic Studies of Quasi-Racemates for Absolute Configuration Determinations

Xingxing Wu, Juraj Malinčík, Alessandro Prescimone, Christof Sparr

Research Articles

Stereoselective Syntheses of Masked β-Amino Acid Containing Phthalides

Lorenzo Serusi, Paul Zebrowski, Johannes Schörghener, Antonio Massa, Mario Waser

Efficient Synthesis of 9-Aminophenanthrenes and Heterocyclic Pierre Quinodoz, Amandine Kolleth, Dylan Dagonneau, Masahiko Yoshimura, Lucía Reyes Méndez, Mylène Joigneaux, Roman Staiger, Robin Horber, Sarah Sulzer-Mossé, Aybike Bekar Cesaletli, Ulfet Karadeniz Yezer, Saron Catak, Alain De Mesmaeker

Website: onlinelibrary.wiley.com/journal/15222675

INDUSTRIAL NEWS

Source: www.chemanager-online.com

Arkema Divests Phosphorous Business

October 31, 2022: As part of its “dynamic portfolio management,” French specialty chemicals producer Arkema said it has agreed to sell its subsidiary Febex, a global player in phosphorus derivatives, to Belgian group Prayon. Financial terms of the transaction, which is expected to be finalized the first quarter of 2023 following talks with employee representatives in France and approval by the relevant Swiss authorities, have not been disclosed. With a portfolio including high purity phosphoric acid, sodium hypophosphite and derivatives—used primarily in electronics and in the pharmaceuticals industry—the business headquartered at Bex

in French-speaking Switzerland is part of Arkema’s Performance Additives business line. Complementing its base in Switzerland, Febex also has a production line for sodium hypophosphite in China and claims to be the only company producing this derivative outside the People’s Republic. Arkema said the company with sales of around €30 million in 2021 and 59 employees has “little integration” with its other group activities. By joining Prayon, which specializes in phosphorus-based chemistry, the Febex teams will benefit from the Belgian group’s growth ambitions in this area, it added. Holding 97% of all shares, Prayon said it will become Febex’s majority shareholder and strengthen its position in phosphorus chemistry. With the deal the group will also enter the electronics market, which it says boasts strong growth potential in Europe and the US. The acquisition will also allow Prayon to enter the pharmaceutical sector, gain access to the polyphosphoric acid market and broaden its range of industrial solutions downstream of purified phosphoric acid production.

India’s Dorf Ketal Takes Clariant’s North American Land Oil Business

November 2, 2022: Indian specialty chemical company Dorf Ketal has agreed to acquire Clariant’s North American land oil business for an undisclosed sum. Dorf Ketal said the business, which generated revenues of \$113 million in 2021, represents an “exciting growth opportunity”. The purchase includes manufacturing facilities in Bakersfield, California and in Midland and Black Hills, both in Texas, producing more than 2,000 formulations for drilling, production and stimulation, as well as 170 employees and a technology portfolio of more than 40 patent families. “This acquisition will bring additional strategic assets, innovative new technology, talented people, and strong customer relationships into Dorf Ketal,” said Sudhir Menon, chairman of Dorf Ketal Chemicals India. “Upon completion, it will enable our continued growth in North America – a significant and growing market for energy services, further aligning with our global focus and commitment to providing innovative services throughout the energy sector.” The transaction is expected to close during the first quarter of 2023, subject to regulatory approvals and customary conditions. Clariant said the divestment is another “logical step” in repositioning its portfolio toward true specialty chemicals and its sustainability transformation. In August, the Swiss group agreed the sale of its Quats business to Global Amines, a joint venture owned in equal share by Clariant and Singapore’s Wilmar.

Clariant Completes Attapulgit Acquisition

November 3, 2022: Swiss specialty chemicals producer Clariant has completed the takeover of BASF’s US-based attapulgit business assets. The \$60 million cash transaction includes the transfer of a production facility in Florida as well as mining rights in the neighboring state of Georgia. Clariant will integrate the activities into its Functional Minerals business, thereby increasing output capability and deepening its footprint in the North American market. As part of the arrangement, it will supply BASF on a long-term basis. CEO Conrad Keijzer said the bolt-on acquisition provides tangible synergies, improves the EBITDA margin profile of the Swiss group’s Natural Resources business area and brings it closer to achieving its 2025 earnings targets. It is also a step forward in Clariant’s energy transition away from fossil-based fuels. Keijzer added that the now former BASF business is well recognized in the industry for its unique combination of mineral quality, mine reserve size and strategic location. The attapulgit based products sold for a wide range of applications and end-markets generated sales of about \$36 million in 2020. Adsorbent clays such as attapulgit are an important enabler for growth in the purification of edible oils and renewable fuels. In the latter application they play a key role in removing contaminants during the pre-treatment process, thereby protecting the catalyst and enabling a particularly

stable and economically viable process. Clariant touts itself as offering “unique” technologies for the purification of biodiesel to reduce greenhouse gases in road transportation and for the purification of pyrolysis oil to enable the chemical recycling of plastics. With the acquisition and leveraging its expertise, the group said it will increase its production capacity to be able to meet the growing demand for renewable fuels while also maintaining its supply integrity to the edible oils market.

Sandoz Invests in Extra European Antibiotic Capacity

November 9, 2022: Sandoz, the generics arm of Swiss drugmaker Novartis, has announced plans to spend an additional €50 million on raising European manufacturing capacity for finished dosage forms of amoxicillin and other key penicillin products. The announcement follows plans revealed in May last year to invest more than €100 million in new manufacturing technology for producing oral amoxicillin API at its site in Kundl, Austria, as well as investing a further €50 million to expand sterile API production at Palafolls, Spain. “Antibiotics remain the backbone of modern medicine and we are seeing rapidly increasing demand following the unprecedented market swings of the past few years. This investment will help to meet that growing patient need, to support the creation of hundreds of new jobs, and to partially offset the impact of high energy prices by lowering unit costs,” said CEO Richard Saynor. The new facility, which will be connected to an existing penicillin production plant, will be ready for operation by early 2024. The expansion, which will focus on bulk formulation and fill-finish activities, will support a double-digit increase in Sandoz’ future output capacity for penicillins. Saynor added: “Minimizing production costs, particularly in the face of soaring energy costs in Europe, is key to our future success, but we also need a market framework that is sustainable in the long run. In economic terms, antibiotics in Europe are still treated largely as commodities, but with one big difference – producers have to supply at fixed price levels, regardless of supply and demand changes. We urgently need to change the operating framework, to introduce basic concepts such as inflation-linked pricing and tenders with criteria that go beyond price.” In August, Novartis confirmed definite plans to spin off Sandoz into a standalone company. The split is expected to complete in the second half of 2023.

BioNTech Buys Novartis Singapore Plant for Asia HQ

November 11, 2022: German Covid-19 vaccine specialist BioNTech has acquired a production facility in Singapore from Swiss drugmaker Novartis that will serve as a manufacturing base in addition to being its Asia-Pacific headquarters. Financial terms of the purchase, which will lead to the creation of Singapore’s first dedicated mRNA production, were not disclosed. In May 2021, BioNTech announced it would establish its first regional Asia-Pacific hub in the island nation. Along with producing vaccines and therapeutics, the facilities are planned to include a rapid response capability for southeast Asia against potential future pandemic threats. With the former Novartis plant in Tuas Biomedical Park expected to be fully operational under the BioNTech flag in late 2023 chief operating officer Sierk Poetting said the Mainz-headquartered firm will be able to more quickly create capacity for potential clinical studies and commercial supply of mRNA vaccines and therapeutics for infectious diseases. For the Singapore project, BioNTech is currently recruiting staff for positions in engineering, operations, quality control, finance, human resources and supply chain management. It expects the Asian complex that is planned to employ 100 people by 2024 to be capable of producing “several hundred million doses” of mRNA-based vaccines.

Singapore output may include oncology drugs

Initially, the Singapore output could include the Comirnaty-branded Covid vaccine the biotech produces and markets together with

Pfizer, as well as oncology product candidates – if the latter are successfully developed and approved or authorized by regulatory authorities. Expanding beyond Covid, BioNTech recently announced a collaboration with Pfizer to develop an influenza vaccine based on the German partner’s suite of mRNA platforms as well as another link-up of the two companies to develop the first mRNA-based shingles vaccine candidate. A clinical trial for this is set to begin before the end of 2022. For its investment in the park that is described as becoming “the epicenter of biopharma activity in Singapore,” the German company is receiving funding from the Singapore Economic Development Board (EDB), which for years has supported much of the investment in the chemicals mecca of Jurong Island. In October this year, US Merck opened a new secondary packaging facility at Tuas. The drugmaker is also building a plant for inhalers at the site, planned to start up in 2026. As regards investment, Singapore has profited greatly from the coronavirus pandemic, regional reports note. Before 2020, GSK operated the sole vaccine plant in the country. This past April, French pharma Sanofi began construction of a \$475 million Evolutive vaccine complex there, a project that is also receiving EDB aid.

SCS
Swiss Chemical
Society

*EuChemS Historical Landmarks
Award 2021*
«Chemistry of the Atmosphere»
University of Bern, Department of Chemistry,
Biochemistry and Pharmaceutical Sciences
February 16, 2023, 09.30-17.00

Confirmed Speakers

- Dr. Emmanuel Mathieu, University of Liege
- Prof. Justus Notholt, University of Bremen
- Prof. Bertrand Calpini, MeteoSwiss Switzerland
- Prof. Stefan Brönnimann, University of Bern
- Dr. Stefan Henne, Empa Dübendorf
- Prof. Urs Baltensperger, PSI/ETH Zurich
- Prof. Margit Schwikowski, PSI/ University of Bern
- Prof. Hans-Werner Jacobi, University of Grenoble
- Dr. Franziska Scholder-Aemisegger, ETH Zurich

ehla23.scg.ch