

Dear **SBIC members, colleagues and friends,**

Welcome to the 2023.02 edition of our quarterly newsletter published by the Society of Biological Inorganic Chemistry (SBIC), which aims to keep you up to date with important developments in our society, award deadlines and other opportunities we are supporting! We provide you in this newsletter with the latest information from your society, and we hope that you will continue to support or join SBIC as a new member. We would also like to invite you to pass the newsletter on to your students and colleagues and if you have news to share, please get in touch.

### ***SBIC Early Career Research Award 2023***

We are delighted to announce that Prof. Elizabeth New (University of Sydney) is the recipient of the SBIC Early Career Research Award 2023.

Liz is a Professor of Chemistry at the University of Sydney, Australia. She completed her PhD with Prof. David Parker at Durham University, UK, followed by postdoctoral work at UC Berkeley with Prof. Chris Chang. Liz's research involves the use of fluorescence to study biological systems. Her responsive fluorescent sensors have enabled the study of how metal ions and oxidative stress contribute to the pathogenesis and treatment of various diseases. She has also developed a sensor array for measuring platinum chemotherapeutics in the patient samples, and is working towards multimodal imaging agents. Liz has been an enthusiastic member of the SBIC community since she was a student. She is currently a member of the SBIC Council, is on the editorial advisory board of the Journal of Biological Inorganic Chemistry, and will soon take on a role of associate editor for the Journal of Inorganic Biochemistry. Liz's awards for research and research leadership include the 2019 Malcolm McIntosh Prize for Physical Scientist of the Year at the Prime Minister's Science Prizes and the 2022 Australian Financial Review Emerging Leadership Award.



### ***ICBIC20 – Adelaide, Australia here we come***

Hugh Harris and his team are finalizing the organization of ICBIC20 and are getting ready for an influx of bioinorganic chemists. Check out the program at [www.icbic2023.org](http://www.icbic2023.org).

Don't forget that international visitors need a visa! Details and advice are available on the ICBIC website. Also, Adelaide can be cool at this time of year, so remember to bring warm clothes and an umbrella.

Looking forward to seeing you all in Adelaide! We are anticipating a fantastic meeting with great science!



### ***SBIC General Assembly 2023 at ICBIC20***

We will hold our annual general assembly on Friday, July 21 at 11:10 am as part of the program of ICBIC20 in Adelaide. Please come along to hear about the society, raise any questions you may have and learn how to get involved!

### ***Report from AsBIC10 2022 held in Kobe, Japan***

The 10<sup>th</sup> Asian Biological Inorganic Chemistry Conference (AsBIC10) was held at Kobe International Conference Center in Kobe City, Japan, from November 28<sup>th</sup> to December 3<sup>rd</sup>, 2022. With 348 participants from 26 countries, it was the first big international conference held in Japan after the pandemic. The purpose of the conference is to promote the development of the field and international mutual understanding as well as to foster young researchers by sharing the latest information in the following themes: (1) Metal Homeostasis, (2) Metallodrugs, (3) Metal-based Mechanism in

Diseases, (4) Metal Sensing, (5) Natural and Artificial Photosynthesis, (6) Engineering Metalloproteins, (7) Metalloproteins and Functional Models, (8) Models and Mechanism, (9) Bioinspired Catalysis, (10) Nano/Tech Material, (11) Integrated Biometal Sciences, and (12) Molecular Movies in Structural Metallobiology. There were 10 plenary lectures, 32 keynote lectures, 99 invited lectures, 25 oral presentations, and 127 poster presentations. In selecting the speakers, the committee gave due consideration to gender and regional balance and gave priority to presentations by young researchers. One Outstanding Researcher Award, two Academic Awards, and two Young Scientist Encouragement Awards, which were selected by the International Executive Committee of Asian Bioinorganic Chemistry, were presented as the award lectures. In addition, 12 Poster Awards were presented to young researchers (especially students) for the purpose of their encouragement. In addition, travel support for 12 young researchers from emerging countries was provided by SBIC.



*Shinobu Itoh and Yoshitsugu Shiro (on behalf of the AsBIC10 Organizing Committee)*

### ***Congratulations***

We are keen to profile the success of our SBIC members and highlight recent awards and accolades. If you have received an award or know of someone who has received recognition for their work, please email the information to [Christian Hartinger](#). Great to see how many bioinorganic chemists are recognized for the hard work and achievements – congratulations everyone!

Congratulations to **Larry Que** (University of Minnesota), **Alison Butler** (UCSB) and **Joan Broderick** (Montana State) who were inducted into the United States National Academy of Sciences.

**José J. G. Moura** (Universidade NOVA de Lisboa) is the recipient of the 2022 Ferreira da Silva Medal of the Portuguese Chemical Society (SPQ).

**Christian Hartinger** (University of Auckland) is the winner of the 2023 Burrows Award of the Royal Australian Chemical Institute.

**Eva Enyedy** (University of Szeged) received the Mihály Polányi Grand Prize.

**Abhik Ghosh**(UiT) was elected to the Academia Europaea.

Congratulations to **Clotilde Policar** (CNRS/ENS-PSL/Sorbonne University) and **Christelle Hureau-Sabater** (CNRS/Toulouse), the 2022 co-winners of the Gay Lussac Federation Prize of the French Academy of Sciences.

**Bismuth Cure for COVID-19** (Hong Kong) are the winners of the 2023 Dalton Horizon Prize.



**Alison Butler**  
UCSB



**Joan Broderick**  
Montana State  
University



**Larry Que**  
University of  
Minnesota



**Christian Hartinger**  
University of Auckland



**Christelle Hureau-Sabater**  
CNRS/Toulouse

**Clotilde Policar**  
CNRS / ENS-PSL /  
Sorbonne University



**Abhik Ghosh**  
University of Tromsø



**Jose Moura**  
Universidade Nova  
de Lisboa



**Bismuth Cure for COVID-19**  
Hong Kong



**Eva Enyedy**  
University of Szeged

### ***Journal of Biological Inorganic Chemistry (JBIC) highlights***

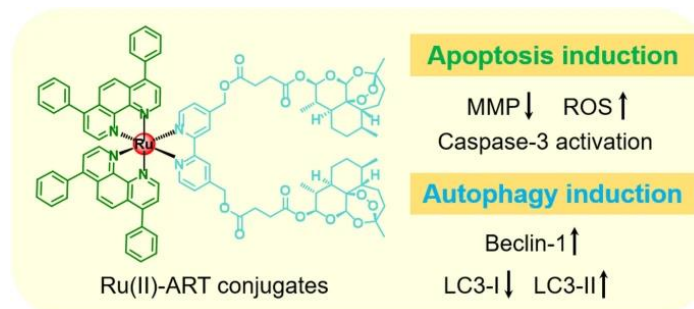
JBIC is the well-reputed journal of our society. Nils Metzler-Nolte is the Editor-in-Chief and in this role serves as a member of the SBIC Council. Nils always welcomes manuscripts with high impact results for publication in our journal. By submission of impactful articles to JBIC you demonstrate your active support of SBIC, our global learned society, regardless of whether you are a member of SBIC or not!

Here are some of the paper highlights recently published in JBIC and their full text is available free of charge for the next months. These articles have been selected by the journal Editor-in-Chief for their exceptional interest to members of the biological inorganic chemistry scientific community.

Bi-Chun Chen, Jun-Jian Lu, Ning Jiang, Xiu-Rong Ma, Rong-Tao Li, Rui-Rong Ye

**Synthesis, characterization and antitumor mechanism investigation of ruthenium(II) polypyridyl complexes with artesunate moiety**

Double whammy: Covalently linking artesunate to Ru(polypyridyl) complexes yields highly active compounds which induce autophagy-dependent apoptosis via mitochondrial dysfunction.



Sunpreet Kaur, Khadga Raj, Y K Gupta, Shamsheer Singh

**Alliin ameliorates aluminium- and copper-induced cognitive dysfunction in Wistar rats: relevance to neuro-inflammation, neurotransmitters and A $\beta$ <sub>(1-42)</sub> analysis**

This study investigates the neuroprotective effect of allicin (a main ingredient in garlic) in an extensive behavioural and biochemical study in rats. It has good news for all those garlic lovers amongst us!

***For your diary: Upcoming conferences supported by SBIC***

- ICBC 20, July 16–21, 2023, Adelaide, Australia. ([www.icbic2023.org](http://www.icbic2023.org))
- The 6<sup>th</sup> Quantum Bio-Inorganic Chemistry Conference, August 29-September 1, 2023, Warsaw, Poland. (<https://qbicvi.sciencesconf.org>)
- International Symposium on Bioorganometallic Chemistry (ISBOMC21), September 18-21, 2023, Braunschweig, Germany. (<https://isbomc23.itubs.de>)
- 13th International Vanadium Symposium, Lisbon, Portugal, November 22-24, 2023. (<https://vanadium13.events.chemistry.pt>)
- 6<sup>th</sup> Symposium on Advanced Biological Inorganic Chemistry (SABIC), Kolkata, India, January 7-11, 2024.

***Call for applications for conference support***

SBIC financially supports international meetings on subjects related to Biological Inorganic Chemistry organized by members of our society. At many of these conferences, SBIC members will pay special, discounted registration fees and students and early career members may be eligible for travel awards.

In order to be eligible for conference support, the conference organizers need to be SBIC members. Applications need to be sent to the SBIC Treasurer [Charles G. Riordan](#). Please include a detailed conference program. Diversity in gender, age, race, ethnicity, geography, and research topics covering a broad range of biological inorganic chemistry is a prerequisite to obtain SBIC funding. Adequate representation from underrepresented groups, including women for Plenary and Keynote lectures in particular, and the program in general, must be demonstrated. A maximum of 2,000 US\$ for conferences or 3,000 US\$ for student workshops will be granted to non-BIC conferences. All SBIC financial support is exclusively given out as SBIC travel bursaries to be awarded to young researchers (PhD students and postdocs), being SBIC members, and the financial support by SBIC must be acknowledged.

For ICBIC, AsBIC, EuroBIC and LaBIC, special funding rules apply. Please contact the SBIC Treasurer [Charles G. Riordan](#) for details.

National meetings and those organized by national chemical societies are not eligible for SBIC support, including Pacificchem Symposia.

**DEADLINES for applications:** March 1 and October 1 each year.

***Stay in touch with SBIC: Follow us on our Social Media channels!***

You have been included in this mailing list as a current member of the society or because you have attended a conference of the BIC series (ICBIC, EuroBIC, AsBIC, LABIC). If you would prefer not to receive this information, please let us know and we will remove your email address from the distribution list. If you would like to receive the latest SBIC news on your social media feeds, like us on Facebook <https://www.facebook.com/officialSBIC/>, or follow us on Twitter <https://twitter.com/sbicofficial/>. If you would like to advertise your events or anything biological inorganic chemistry-related, please email [Christian Hartinger](#) with all the relevant information.

