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## 2022 APRIL NEWS

### UPCOMING IUBMB FEBS PABMB CONGRESS

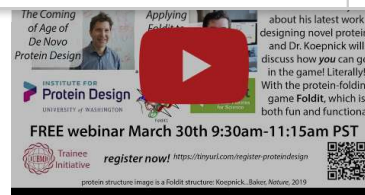


### IUBMB TRAINEE INITIATIVE

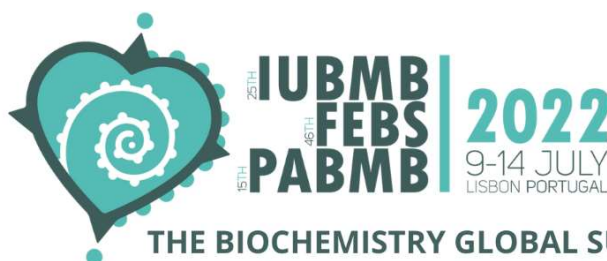
The IUBMB Trainee Initiative hosted their first event with attendees in 31 countries log on for a lively and engaging presentation.

***The recording is now available in case you***

A webinar on Drs David Baker and Brian Koepnick talk about computational structural biology, how you can help science by solving protein structures at home with Foldit, and advice on how to follow this scientific path if it interests you!



## UPCOMING IUBMB DEADLINES



### DEADLINE EXTENDED

Late-breaking Abstracts | May 25

Regular Registration Deadline | June 9

Online Late Registration Closing | June 30

There's still time to submit an [abstract](#) and the [early registration deadline](#) has been extended to **April 12**.



CONSIDER HOSTING THE FIRST FEBS-IUBMB-ENABLE CONFERENCE  
OUTSIDE EUROPE



APPLICATION DEADLINE MARCH 31 FOR 2024

The FEBS-IUBMB-ENABLE Conference is a 3-day international and interdisciplinary winter event for PhD students and postdocs, hosted at a different research institute each year.

The FEBS-IUBMB-ENABLE are now inviting applications from academic institutions (either a university or a research institution) to host the November 2024 conference in any country with an IUBMB Adhering or Associate Adhering Body (except those allowed in 2023). We are looking for academic institutions with a strong research background in molecular life sciences and an active PhD community. This event will be organized by a committee of young researchers belonging to the 5 ENABLE institutions. It will be organized following the standards and structure of the [previous ENABLE events](#). FEBS and IUBMB will fund the event up to a sum of €65,000.

### SUBMISSION DEADLINE EXTENDED

**APR 15: host the 2024 event to any country with an [IUBMB Adhering or Associate Adhering Body](#), except those allowed in 2023**

For more information, visit: <https://bit.ly/3w932GN>

IUBMB  
TANG EDUCATION  
FELLOWSHIPS

Deadline Extended May 31

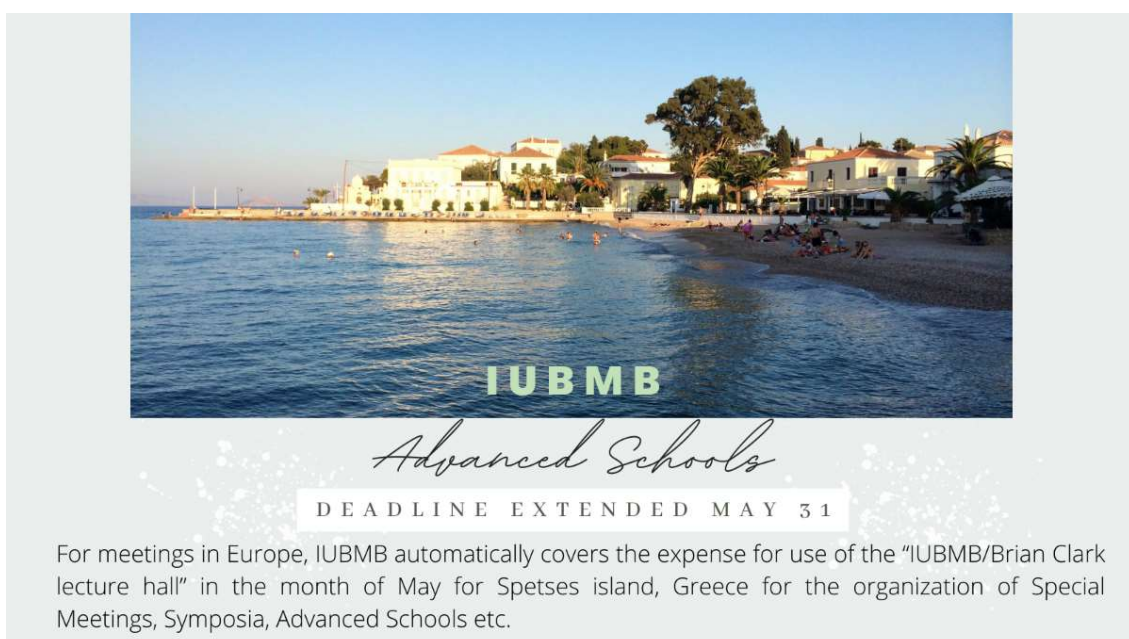


**Supports educators visiting another institution  
to either advise, teach, or learn**



  
**IUBMB**  
**Educational Activities**  
Deadline Extended to May 31

The IUBMB is committed to improving education in biochemistry and molecular biology at all levels.



**IUBMB**  
*Advanced Schools*  
DEADLINE EXTENDED MAY 31

For meetings in Europe, IUBMB automatically covers the expense for use of the "IUBMB/Brian Clark lecture hall" in the month of May for Spetses island, Greece for the organization of Special Meetings, Symposia, Advanced Schools etc.


**seeking new Editor-in-Chief**

*rapid publication*

receptors      ligands

signal transduction

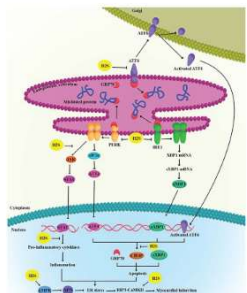
metabolic signaling



VOL 47 NO 5 | SEPTEMBER/OCTOBER 2021

## BioFactors

IN THIS ISSUE:  
Cardioprotective effects of hydrogen sulfide  
Warburg effect for cancer therapeutics



Published for the International Union of Biochemistry and Molecular Biology  
**WILEY**

IUBMB is seeking a New Editor-in-Chief for BioFactors, a \*rapid publication\* journal devoted to signal transduction, metabolic signaling, receptors, and ligands. **Deadline**

## BRI-FING FROM THE BENCH

### EC numbers

Enzyme Commission

each enzyme has a 4-part numerical ID more than just a name, it gives you information about what the enzyme does & how

# EC 1.1.1.1

**main class**

1. oxidoreductases
2. transferases
3. hydrolases
4. lyases
5. isomerases
6. ligases
7. translocases

**subclass**

often tells you often what type of

compound or bond it acts on

**sub-subclass**

further classification

**serial number**

"just" makes it so each enzyme has its own unique EC number

Our Postgraduate Student Ambassador has prepared an extensive post on the EC Nomenclature which should be of broad interest to trainees and educators.

[Read more >>](#)



**IUBMB**  
**Journals**

[Read more on Journal Highlights](#)

## UPCOMING MEETINGS



EMBO Workshop: Reversible phosphorylation, signal



Discovery, Hybrid meeting on May 22-26, 2022 in Vouliagmeni, Greece.

[Learn More >>](#)

Patricia Condeelis, Women in Science Lecture: PHLiPPing the switch to cell signalling

Keynote Lecturer: Alexandra Newton



## FEBS Junior Sections initiative

This April talk is organised by [HDBMB Young Scientists' Forum](#), the junior section of the [HDBMB](#).

**Speaker:** Prof. Igor Stagljjar, from the University of Toronto, Canada

**Topic:** “My story about life, science and success”

**Time:** **14 April 2022, 19:00 (CET)**

**[Registration link](#)**

For **more information**, see the presentation abstract below and visit the [Sagljjar lab webpage](#).



Professor Stagljjar is one of the world leaders in the field of proteomics/chemical genomics, developing high-throughput technologies to facilitate the study of the protein-protein interactions of various human membrane proteins involved in cancer. The research in his lab has led to the development of the Membrane Yeast Two-Hybrid and the Mammalian Membrane Two-Hybrid (MaMTH) technologies, both of which have revolutionized membrane proteomic research. As of recent, Stagljjar lab adapted MaMTH into a drug screening platform and has been directing its research efforts into SARS-CoV-2 diagnostics.

In 2015, the University of Toronto honored Prof. Stagljjar with "Inventor of the Year" award for his contribution to Canada's innovation agenda and the advancement of knowledge. As principal investigator, Prof. Stagljjar secured over \$38 million in research funds since he moved to Canada (in 2005) and has co-founded [Dualsystems Biotech Inc.](#), a world-leading company in the field of interactive proteomics, and a new



**RNAs in gene control across kingdoms**

International meeting NetRNA  
*Bischofsberg May 2-5, 2022*

The banner features three molecular models: a yellow and black RNA structure on the left, a blue and orange RNA structure in the center, and a multi-colored RNA structure on the right with labels P1, P3, P4, P5, P6, P7, P8, P9.0, and P10.

We invite you to the [RNAs in gene control across kingdoms](#), taking place May 2-5, 2022.

This international meeting will be a unique opportunity to welcome remarkable scientists and to highlight RNA research in Strasbourg within a stimulating and international environment. It will cover two related topics: RNA regulation and the genetic code in translation. This meeting is also organized for the achievements of Prof. Eric Westhof who has initiated and coordinated the NetRNA labEx (Networks of regulatory RNA across kingdoms in response to biotic and abiotic stresses).

We are delighted to announce the IUBMB Jubilee Lecture is [Professor Sarah Woodson](#).

**APR 15: Abstract Submission Deadline** | [Online poster](#)



**FEBS 2022**  
ADVANCED COURSE

Ageing and Regeneration  
4-7 July 2022 | Mutters, Austria

Register  
Login

NEW DATE: July 4 - 7, 2022  
NEW VENUE: Mutters, Austria

FEBS  
workshop  
"Ageing and  
Regeneration"

The banner features a scenic landscape with mountains and a lake. It includes the FEBS logo, course title, dates, location, and a 'Register/Login' button. A red box highlights the new date and venue.

Research targeted at defining conditions for healthy ageing is key to developing sustainable future societies. Moreover, regenerative medicine continuously strives to develop treatments and, as a long-term goal, cures for a variety of age-related disorders. The [2nd FEBS Workshop Ageing & Regeneration](#) will bring together experts working at the forefront of science in both ageing research and regenerative medicine / stem cell biology.



Redox Alterations and Cellular Responses:  
From Signalling to Interventions  
19-25 September 2022 | Spetses Island, Greece



This Summer School is one in a series of biennial SFRR Free Radical Schools. This year, it is being organized as a FEBS Advanced Course in partnership with SFRR-Europe and IUBMB and is sponsored by OCC and ProMoAge.

The course will focus on examining how changes in redox signalling trigger adaptation and the crucial roles of key adaptive processes in preventing cellular degeneration. Emphasis will be given on the role of redox regulation in biological ageing and redox-related models of disease at the molecular, cellular, and organismal levels.

**APR 15: Application Deadline Extended** | [Meeting details](#) | [Online poster](#)

EMBL Conference  
**Microfluidics 2022**  
11 – 13 July 2022  
EMBL Heidelberg and Virtual  
www.embl.org/events  
#EMBLMicrofluidics  
Abstract submission: 19 April 2022  
Registration (On-site): 9 May 2022  
Registration (Virtual): 4 July 2022

Microfluidic approaches have positively impacted diverse areas such as nucleotide sequencing, functional genomics, single cell and single molecule studies, and biomedical diagnostics. Join Microfluidics 2022 to learn more.





**EMBO**  
Workshop

**Timing mechanisms linking development and evolution**

29 June – 1 July 2022

EMBL Barcelona | Spain  
[www.embl.org/events](http://www.embl.org/events)

#EMBODevTempo

Abstract submission: 20 April 2022

Registration (On-site): 9 May 2022

Are you a researcher looking at how time affects embryonic development? Submit your abstract now for our EMBO Workshop: 'Timing mechanisms linking #development and #evolution' taking place

**APR 20:** Abstract Submission | **MAY 9:** On-site Registration  
[Meeting details](#) | [Online poster](#)



**EMBO | EMBL** Symposium

**Innate immunity in host-pathogen interactions**

17 – 20 July 2022 | EMBL Heidelberg and Virtual

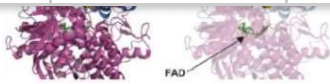
Abstract submission: 24 April 2022

Registration (On-site): 15 May 2022      Registration (Virtual): 10 July 2022

[s.embl.org/ees22-08](https://s.embl.org/ees22-08) #EESIImmunity

Interested in infection biology? Join us for 'Innate immunity in host-pathogen interactions' to discuss infectious diseases, treatment and prevention, based on simultaneous analysis of microbial and host variables.

**APR 24:** Abstract Submission | **MAY 15:** On-site Registration  
**JUL 10:** Virtual Registration | [Meeting details](#) | [Online poster](#)



COFACTOR ASSEMBLY, TRANSPORT AND INSERTION  
Novel insights into their relevance to human health and well-being

The IUBMB Advanced School on [COFACTOR ASSEMBLY, TRANSPORT AND INSERTION - Novel insights into their relevance to human health and well-being](#) is held on May 16-20, 2022 in Spetzes, Greece.

**APR 24:** [Abstract Submission](#) and [Early Registration](#) Deadline

EMBO | EMBL Symposium

## Cellular mechanisms driven by phase separation

9–12 May 2022 | EMBL Heidelberg and Virtual

s.embl.org/ees22-04 #EESPhaseSeparation

How important is phase separation for our understanding of biological processes? Join to discuss & learn from scientists from different fields about condensates in biology and disease.

**MAY 2:** [Virtual Registration](#) | [Meeting details](#) | [Online poster](#)

EMBO | EMBL Symposium

## Mechanobiology in development and disease

15–18 May 2022 | EMBL Heidelberg and Virtual

s.embl.org/ees22-05 #EESMechanobiology

Are you interested in mechanobiology at the molecular, cellular and tissue level? Register now.

Joint FEBS/IUBMB Advanced Course  
*antiaging2022.febsevents.org*

**Molecular Targets for Anti-aging Interventions (MoTAI)**



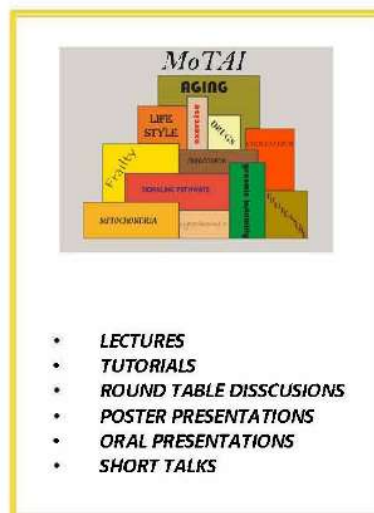
September 26<sup>th</sup>–October 01<sup>st</sup>, 2022 | Spetses Island, Greece

**LECTURERS**

Ilaria **BELLANTUONO** (UK)  
Irene **DIAZ-MORENO** (ES)  
Dan **EHNINGER** (DE)  
Richard **FARAGHER** (UK)  
Claudio **FRANCESCHI** (IT)  
Bertrand **FRIGUET** (FR)  
Efsthios **GONOS** (GR)  
Jan **HOEIJMAKERS** (NL)  
Silva **KATUSIC HECIMOVIC** (HR)  
Joao **LARANJINHA** (PT)  
Alexandra **NEWTON** (USA)  
Aleksandra **MLADENOVIC** (RS)  
Claudia **NUNES DOS SANTOS** (PT)  
Anne-Ulrike **TRENDELENBURG** (CH)  
Beata **VERTESSY** (HU)

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**Course Venue: Spetses hotel \*\*\*\***

**DEADLINES: Abstracts | YTF Grants deadline 30<sup>th</sup> May 2022**

Interested in attending a virtual meeting?

Now you can by applying for the IUBMB MilliporeSigma Virtual Meeting Fellowships with



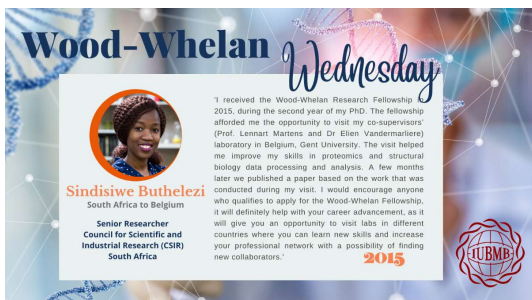
**OPEN DEADLINE**

**IUBMB MilliporeSigma  
Virtual Meeting Fellowships**



[Apply Now](#)

## ANNOUNCEMENTS




**Wood-Whelan Wednesday**

**Sindisiwe Buthelezi**  
South Africa to Belgium


Senior Researcher  
Council for Scientific and Industrial Research (CSIR)  
South Africa

"I received the Wood-Whelan Research Fellowship in 2015, during the second year of my PhD. The fellowship afforded me the opportunity to visit my co-supervisors (Prof. Lemart Martens and Dr. Ellen Vandermaetere) laboratory in Belgium, Ghent University. The visit helped me improve my skills in proteomics and structural biology data processing and analysis. A few months later we published a paper based on the work that was conducted during my visit. I would encourage anyone who qualifies to apply for the Wood-Whelan Fellowship, it will definitely help with your career advancement, as it will give you an opportunity to visit labs in different countries where you can learn new skills and increase your professional network with a possibility of finding new collaborators."

**2015**



It's Wood Whelan Wednesday! **Sindisiwe Buthelezi** went from South Africa to Belgium to improve her skills in proteomics and structural biology data processing and analysis, leading to a publication. She is now a Senior Researcher at CSIR-South Africa (Council for Scientific and Industrial Research).




**Wood-Whelan Wednesday**

**Holger Linnertz**  
Germany to Italy

Head of Software Development Center,  
Mettler Toledo,  
Switzerland

"In 1997 I was honored with a Wood - Whelan Fellowship to spend one month at the University of Ancona, Italy working with Prof. Enrico Beretti to study the function of the Na,K-ATPase. Being a Ph.D. Student at the University of Giessen, Germany cooperating closely with the Czech Academy of Sciences. This international collaboration was a very important step in my academic career and allowed me to use technology, which I did not have available in my home faculty. With the results of that Month of hard work, we have been able to publish a paper in the European Journal of Biochemistry in 2001. I am grateful that I had that opportunity as a young man to work with so many experienced Scientists from all over the world. This was the foundation of my professional career, which took me away from the academic research into the development of analytical instrumentation, so "data."

**1997**



It's Wood Whelan Wednesday! **Holger Linnertz** went from Germany to Italy to use technology that was not available in his home institution. This was the foundation of his professional career. He is now Head of Software Development Center, Mettler Toledo, Switzerland.




The IUBMB is pleased to support

**Ksenia-Oksana Zhukrovska**

From the Ivan Franko National University of Lviv, Ukraine  
has been awarded the first

**IUBMB Relocation Support for Displaced Trainees**

to continue her research in Professor Flavia Marinelli's laboratory  
in the Department of Biotechnology and Life Sciences at the  
Insubria University, Italy




*Congratulations*



**Jasmin Aschenbrenner**

From the University of the Free State, South Africa, has been awarded the  
**IUBMB Travel Fellowship**  
to present her research "The first structure of a fungal hydroxylase from the CYP505 family and  
engineering of its regioselectivity by comparison with CYP102A1" at the 2022 International  
Conference on Cytochrome P450 (ICCP450)



*Congratulations*



**Karolina Brzezinska**

From the The University of Edinburgh, Scotland, UK, has been awarded the  
**IUBMB Travel Fellowship**  
to present her research "Ubiquitination as a key regulator of immunity across plant species" at the  
ICAR: 92nd International Conference on Arabidopsis Research

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