

## Registration

<https://isi-isotopes2022.empa.ch/registration>

## Key Dates

Deadline abstract submission: **30 April 2022**

Deadline registration: **30 April 2022**

## Fees and Payment

The workshop fee of CHF 475.– (regular), CHF 300.– (student) will cover ice breaker, lunch & snacks during coffee breaks, ½ day excursion and the dinner event on Wednesday. The fee for online participation is CHF 100.–.

## Oral / Poster Presentations

If you would like to present your research in a talk or a poster, please submit a one-page abstract via the workshop homepage until **30 April 2022**. You can download the abstract template from the workshop webpage <https://isi-isotopes2022.empa.ch>.

## Cancellation

Attendees will have the opportunity to change their registration type from in-person to online (or vice versa). You will be required to pay the difference in the registration cost or will receive a refund of the difference. The deadline to make this change is **6 May 2022**.

## Funding and Sponsors

We are currently contacting potential industry sponsors, if you are interested please let us know via [isi-isotopes2022@empa.ch](mailto:isi-isotopes2022@empa.ch)

## General Information

**Location** Empa  
Überlandstrasse 129, 8600 Dübendorf  
Empa-Akademie

**Homepage** <https://isi-isotopes2022.empa.ch>

**Deadline** 30 April 2022

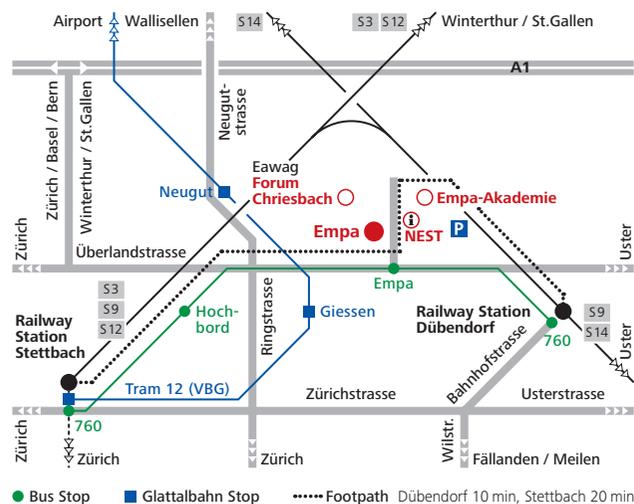
**Accommodation** Overnight accommodation should be arranged individually. Hotels around the Empa campus can be found on the conference and the Empa homepage. Please mention your participation at the conference to get a discount.

**Contact** Empa  
**Dr Andrea Fischer**  
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**Dr Joachim Mohn**  
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[www.empa.ch](http://www.empa.ch)

**How to get here** Please do use public transport.  
There is only very limited parking available.



## CONFERENCE

# 10<sup>th</sup> International Symposium on Isotopomers (ISI) and 12<sup>th</sup> Isotopes Conference



Empa, Überlandstrasse 129, Dübendorf  
**29 May – 3 June 2022**

Online registration:  
<https://isi-isotopes2022.empa.ch/registration>

## Topic & Aims

The joint 10<sup>th</sup> International Symposium of Isotopomers (ISI) and 12<sup>th</sup> Isotopes Conference (ISI+Isotopes 2022) will highlight the latest developments and applications for the use of stable isotopes, bring together scientists from a wide range of disciplines and foster knowledge exchange and collaboration. The target audience includes scientists, post-docs, PhDs and students from multiple research fields related to stable isotope sciences.

## Scientific Sessions, Chairs and Keynote / Invited Speakers

### – Advances in analytical Instrumentation and Methods

*Chairs:* Matthias Gehre, UFZ and Béla Tuzson, Empa

*Keynote speaker:* Alexis Gilbert, Tokyo Institute of Technology

*Invited speaker:* Cay Neubauer, University of Colorado Boulder

### – Process Tracing in Ecology & Plant Science

*Chairs:* Christiane Werner, University of Freiburg and Marco Lehmann, WSL

*Keynote speaker:* Ansgar Kahmen, University of Basel

*Invited speaker:* Lisa Wingate, INRAE

### – Biogeochemistry,

#### Element Cycles and Fate of Contaminants

*Chairs:* Moritz Lehmann, University of Basel and Anat Bernstein, Ben-Gurion University of the Negev

*Keynote speaker on Biogeochemistry:* Karen Casciotti, Stanford University

*Keynote speaker on Fate of Contaminants:*

Daniel Hunkeler, University of Neuchâtel

### – Global Change, Greenhouse Gases & Aerosols

*Chairs:* Thomas Röckmann, Utrecht University and Sakae Toyoda, Tokyo Institute of Technology

*Keynote speaker:* Shuhei Ono, MIT

*Invited speaker:* Longfei Yu, Tsinghua University

### – Computation of Isotope Effects & Enzyme Mechanisms

*Chair:* Agnieszka Dybala-Defratyka, Lodz University of Technology

*Keynote speaker:* Katarzyna Świderek, Universitat Jaume I

*Invited speaker:* Piotr Paneth, Lodz University of Technology

### – Food Authenticity, forensic & biomedical Applications

*Chairs:* Michèle Lees, Eurofins and Illa Tea, University of Nantes

*Keynote speaker:* Simon Kelly, IAEA

*Invited speaker:* Marietta Straub, Lausanne University Hospital

### – Origin and Evolution of the Earth (Planets) & Life

*Chair:* Huiming Bao, Nanjing University

*Keynote speaker:* Yuichiro Ueno, Tokyo Institute of Technology

*Invited speaker:* Jordon Hemingway, ETH Zürich

### – Clumped Isotopes

*Chairs:* Stefano Bernasconi, ETH Zürich and

Ivan Prokhorov, Empa

*Keynote speaker:* Jens Fiebig, Goethe University Frankfurt

*Invited speaker:* Laurence Yeung, Rice University

## Local Organizing Committee

**Joachim Mohn**, Empa, Switzerland

**Thomas Hofstetter**, EAWAG, Switzerland

**Naohiro Yoshida**, Tokyo Institute of Technology, Japan

**Martin Elsner**, Technical University of Munich, Germany

**Gérald Remaud**, Université de Nantes, France

**Stefano Bernasconi**, ETH Zürich, Switzerland

**Béla Tuzson**, Empa, Switzerland

**Ivan Prokhorov**, Empa, Switzerland

## Preliminary Workshop Schedule

(Timing may change depending on the number of presentations / posters)

### Sunday, 29 May 2022

18:00 Ice breaker

### Monday, 30 May 2022

08:00 Registration, coffee and snacks

09:00 Welcome

Morning session (with coffee break)

Process Tracing in Ecology & Plant Sciences

12:00 Lunch break

13:30 – Afternoon session

(with Poster presentation / coffee break)

Food Authenticity, forensic & biomedical Applications

Computation of Isotope Effects & Enzyme Mechanisms

### Tuesday, 31 May 2022

09:00 Morning session (with coffee break)

Advances in analytical Instrumentation and Methods

12:00 Lunch break

13:30 – Afternoon session

(with Poster presentation / coffee break)

Clumped Isotopes

Origin and Evolution of the Earth (Planets) & Life

### Wednesday, 1 June 2022

09:00 Morning session (with coffee break)

Global Change, Greenhouse Gases & Aerosols

12:00 Lunch break

Excursion

Conference dinner

### Thursday, 2 June 2022

09:00 Morning session (with coffee break)

Biogeochemistry, Element Cycles and Fate of Contaminants

12:00 Lunch break

13:30 – Afternoon session (with coffee break)

Biogeochemistry, Element Cycles and Fate of Contaminants

### Friday, 3 June 2022

Full day excursion (optional)