

Redox Week in Sendai 2025

1st Japan Society for Redox Supermolecule Biology &
Exploratory Medicine (JReXBEM) Meeting
—formerly Nitric Oxide Society of Japan (NOSJ)

3rd G-ReXS Meeting in Conjunction with Transformation Research Area (KAKENHI)

5th International Conference on Persulfide and Sulfur Metabolism
in Biology Medicine

Tohoku Forum of Creativity, Future Society Design Program

Opening Ceremony and Commemorative International Symposium
of Center for Supersulfide Research at Tohoku University
in Co-creation with Shimadzu Corporation

30th Anniversary Commemorative International Symposium
of the Discovery of Nrf2 and Keap1

April 17-21, 2025

Tohoku University Seiryō Campus, Sendai, Japan

Organizing Committee:

Takaaki Akaike (Tohoku University Graduate School of Medicine)

Hozumi Motohashi (Tohoku University Graduate School of Medicine)

Motohiro Nishida (Kyushu University Graduate School of Pharmaceutical Sciences)

Yoshiro Saito (Tohoku University Graduate School of Pharmaceutical Sciences)

Fan-Yan Wei (Institute of Development, Aging and Cancer, Tohoku University)

Tomohiro Sawa (Faculty of Life Sciences, Kumamoto University)

Supported by

Center for Environmental Response and Aging (CERA), Tohoku University

Great Britain Sasakawa Foundation

Institute of Development, Aging and Cancer (IDAC), Tohoku University

Japanese Biochemical Society (JBS)

Japan Society for the Promotion of Science (JSPS)

Japan Society for Redox Supermolecule Biology & Exploratory Medicine (JReXBEM)

— former Nitric Oxide Society of Japan (NOSJ)

Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan

Nitric Oxide Society

Sendai Tourism, Convention and International Association (SenTIA)

Tohoku Forum of Creativity (TFC), Future Society Design Program, Tohoku University



文部科学省

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

日本学術振興会



TOHOKU FORUM for CREATIVITY

Redox Week 2025

Greeting



A handwritten signature in black ink that reads "Hozumi Motohashi".

Hozumi Motohashi, MD, PhD.

Professor, Tohoku University Graduate School of Medicine

On behalf of the Organizing Committee.

We are delighted to host Redox Week in Sendai 2025, a multifaceted conference comprising six prestigious meetings. These include:

1. The 1st Meeting of the Japan Society for Redox Supermolecule Biology & Exploratory Medicine (JReXBEM), formerly known as the Nitric Oxide Society of Japan (NOSJ),
2. The Joint G-ReXS Meeting with the Transformation Research Area,
3. The 5th International Conference on Persulfide and Sulfur Metabolism in Biology and Medicine,
4. The Tohoku Forum for Creativity, Future Society Design Program,
5. The Opening Ceremony and Commemorative International Symposium of the Center for Supersulfide Research at Tohoku University (CSupsRTU), co-created with Shimadzu Corporation,
6. The 30th Anniversary Commemorative International Symposium celebrating the discovery of Nrf2 and Keap1.

Redox Week in Sendai 2025 promises to be an extraordinary gathering of researchers, students and industry leaders dedicated to advancing our understanding of redox biology and its applications in medicine and beyond. This event represents a unique opportunity to foster collaboration, share groundbreaking research, and inspire innovative ideas that will shape the future of this dynamic field.

Set against the backdrop of Sendai, a city known for its rich culture and commitment to scientific excellence, we aim to create an environment that encourages intellectual exchange and meaningful connections among participants. We warmly invite you to join us in celebrating these landmark events and contributing to the vibrant discussions that will define the future of redox science and medicine.

Let us come together to make Redox Week in Sendai 2025 an unforgettable and impactful experience. We look forward to welcoming you and sharing this exciting journey with you.

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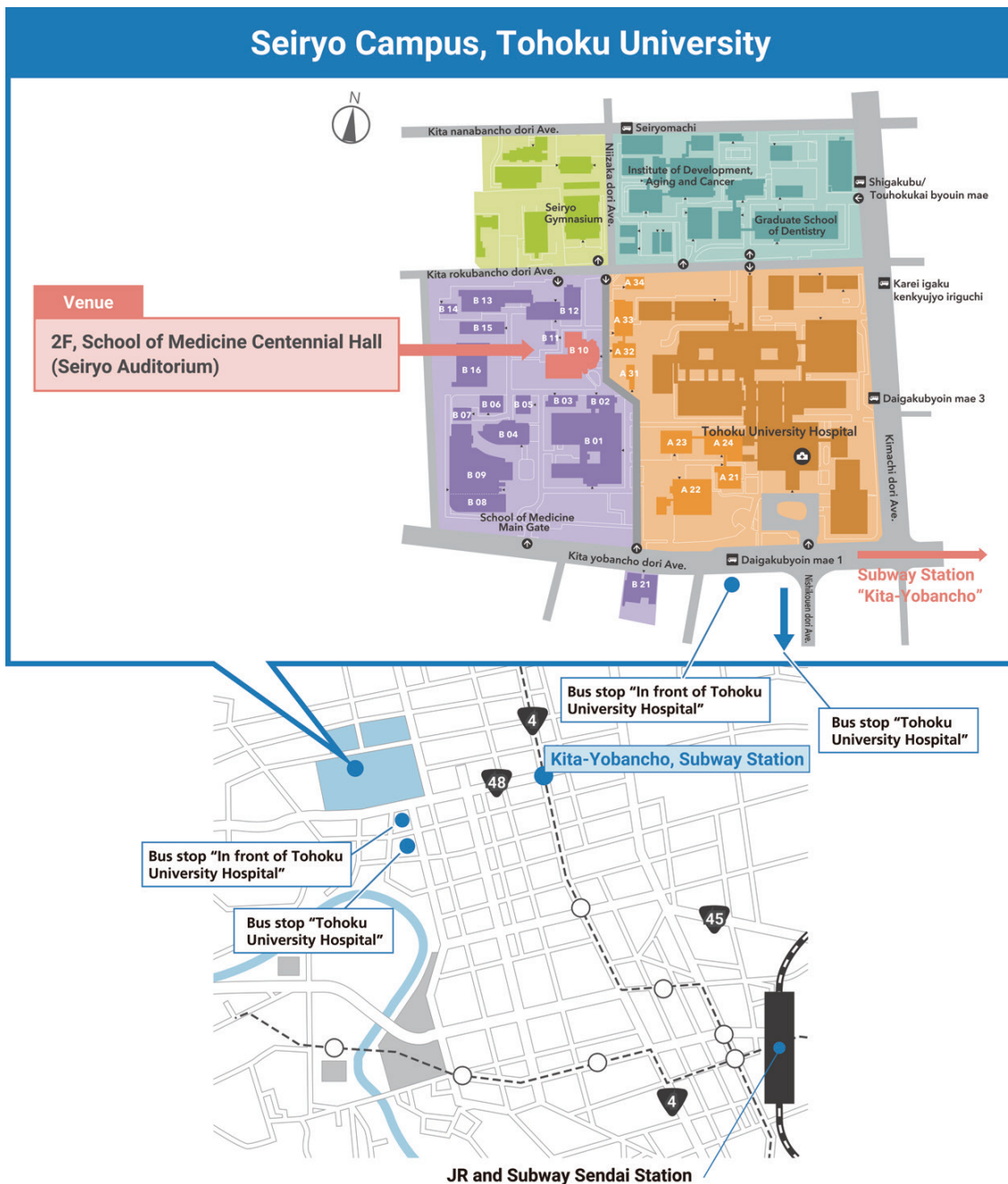
Secretariat General

Masanobu Morita (Tohoku University)

Redox Week 2025

Access

Venue: Tohoku University Seiryō Campus, Sendai, Japan
2-1 Seiryō-machi, Aoba-ku, Sendai, Miyagi 980-8575, Japan
<https://www.med.tohoku.ac.jp/english/map/directions/index.html>



Sendai City Subway: Take a subway for "Izumi Chuo", and get off the subway at "Kitayobancho" Station.

(About 5 min from Sendai Station, ¥210). Leave "Kitayobancho" Station from the exit labelled "North 2 Exit", from which it will be a 15 min walk to Seiryō campus.

Taxi: About 10 min about ¥1,300 from JR Sendai Station Taxi Pool.

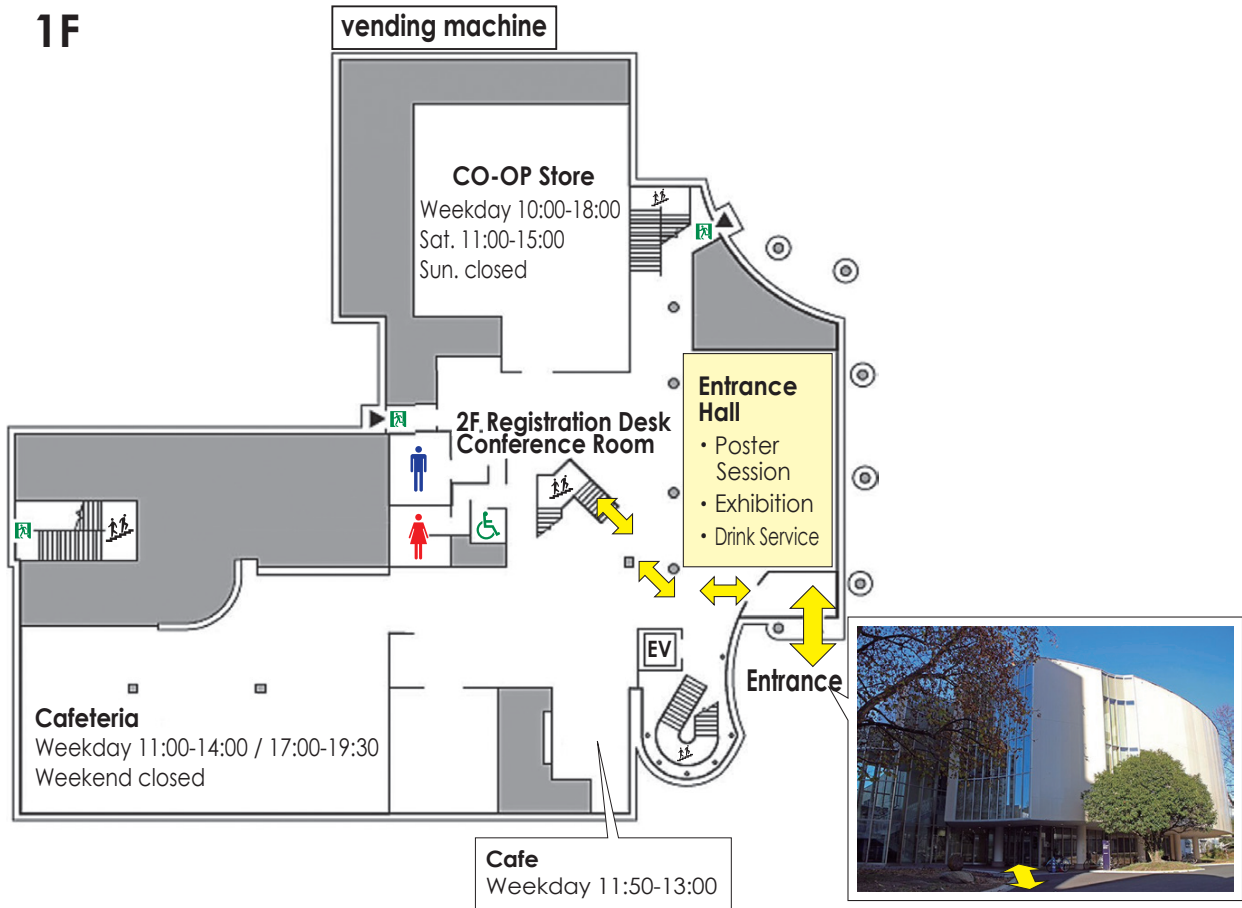
Floor Map

2F, School of Medicine Centennial Hall (Seiryō Auditorium)

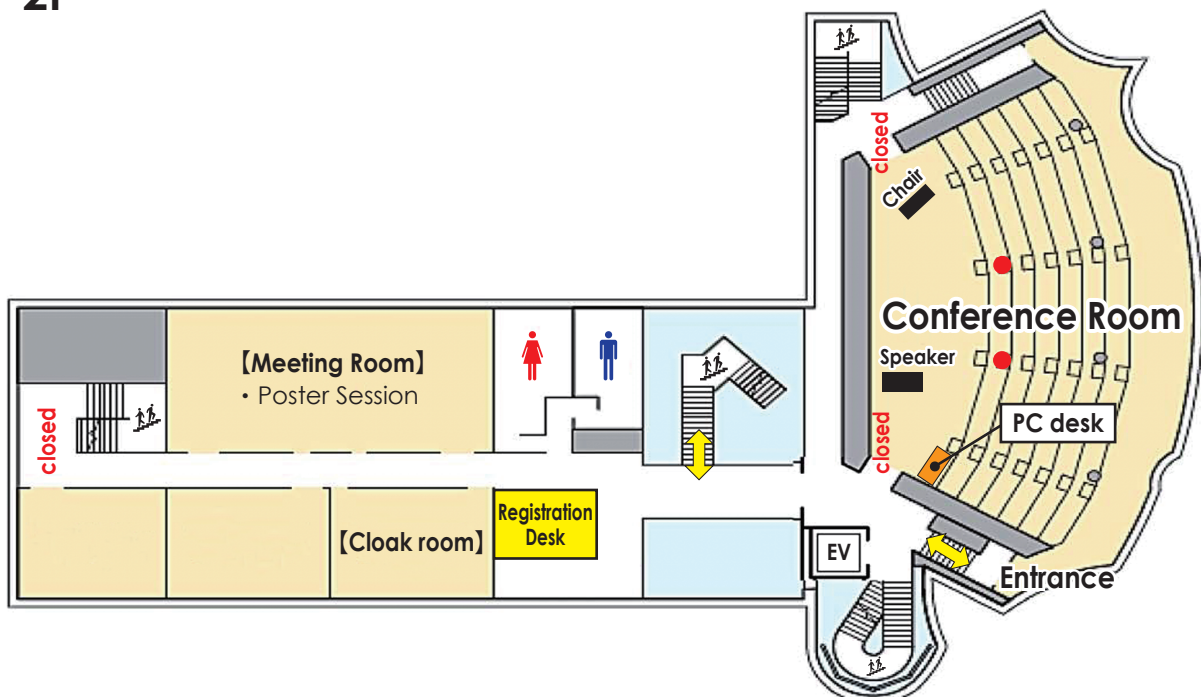
(星陵会館 / 星陵オーデトリウム)

2-1 Seiryō-machi, Aoba-ku, Sendai, Miyagi 980-8575, Japan

1F



2F



Redox Week 2025

Information for Participants

Registration

Registration Desk:

Place: 2F Seiry Auditorium

Date & Time: April 17, Thu 8:15-
April 18, Fri 8:15-
April 19, Sat 8:15-
April 20, Sun 8:15-
April 21, Mon 8:15-

*Please come to registration desk and pick up your name badge first before you go to your presentation room.

Registration Fee:

Category	On-site Registration: until April 21
Regular	JPY 60,000
Student (including postgraduate)*1	JPY 30,000

*1: Students are required to submit identification at the registration desk.

*Registration Fee includes;

- > Name Badge
- > Receipt of registration fee (will be available for download from the online registration system after completion of the payment.)
- > Certificate of attendance (will be available for download from the online registration system after conference.)
- > Program & Abstract book (PDF)
- > Printed material of Program Book

Name Badge and Program Book will be provided at the on-site Conference Registration Desk.

Payment: credit card by online registration only

- Pre-registered participants by April 6:

Please receive your Name Badge and Program Book at the registration desk on your arrival at the venue.

- Pre-registered participants after April 6 and onsite registration:

Please show your confirmation page/email of your online registration and receive your Name Badge and Program Book at the registration desk on your arrival at the venue.

Program & Abstract Book (PDF)

Before the conference, you will be able to access to Program & Abstract Book (PDF) on our website. ID and Password are printed on the name badge.

Lunch

Lunchtime Seminars (with lunch box) will take place at the lunchtime on April 17, 18 and 19. Lunch box will be served on April 20 also. Please note that the number of lunch boxes are limited and first-come first-served basis.

Drink Service

Drinks will be provided during the conference.

Place: 1F Seiryō Auditorium

Commercial Exhibition

Place: 1F Seiryō Auditorium

Redox Week 2025

Information for Presenters and Chairpersons

[Oral presentation]

Presentation Time:

Presentation	Time
Plenary Lecture	45 min including 5 min discussion
Symposium (Sessions)	different for each session
Oral Sessions	15 min including 3 min discussion

< For onsite presenters >

Presentation data:

> Please submit your presentation data at the PC desk of your presentation room at least 30 min before your session starts.

PC Desk

Place: inside of presentation room

Date & Time: April 17, Thu	8:15-
April 18, Fri	8:15-
April 19, Sat	8:15-
April 20, Sun	8:15-
April 21, Mon	8:15-

> The PC used for the presentations will be provided by the conference. Please bring your data on a USB memory stick.

- The PC provided for presentations is as follows:
 - OS: Windows 11, macOS Sequoia
 - Applications: Office PowerPoint2021/Office365
- The aspect ratio of the projection for the presentation is 16:9. We recommend the 16:9 aspect ratio for presentation slides.
- The fonts of your presentation data should be Arial, Times New Roman or Century. Do not use special or downloaded fonts.
- Please run a virus check on your computer in advance.
- Please check your presentation data including images by pasting the data from host/main computer to another computer to check whether the data are shown properly.
- All the copied data will be deleted by organizers after the conference has ended.

Presentation Instructions:

- > Each presentation file which is received at the PC desk will be opened on a PC on the podium.
- > During your presentation, you can forward your presentation slide by yourself by using a mouse on the podium.
- > Please be seated at the "next speaker seat" at least 10 min before your presentation start.

Q&A Session:

- Those who wish to ask questions, please line up at the microphone provided in the session room.

Request for Chairpersons:

- > Please be seated at the "next chairperson's seat" at least 10 min before your session start.
- > Please finish your session on time.

[Poster Presentation]

Place: 1F and 2F

Date & Time: **presentation/discussion: 13:45-14:35, April 19 and 15:15-15:45, April 20**

installation/display your poster: from 10:00, April 17

removal: until 12:00, April 21

- * All the poster presenters have presentation time twice.
- * Poster presenter should bring printed poster (within W110cm x H160cm) to the venue and display their poster before discussion time.
- * Your poster number, pushpins and presenter's ribbons will be prepared by conference organizers.

Redox Week 2025

Program at a Glance

	April 17, Thu.	April 18, Fri.	April 19, Sat.	April 20, Sun.	April 21, Mon.
	Seiry Auditorium, Tohoku University Seiry Campus				
8:00-	Door Open	Door Open	Door Open	Door Open	Door Open
9:00	8:50- Opening Remarks 9:00-11:15 Session 1 30th Anniversary of NRF2: Pioneering the Path Forward	8:40-11:10 Session 5 Redox biology of chalcogens and lipid peroxidation	8:40-10:40 Session 7 Sulfide and supersulfides biosyntheses and metabolisms	8:40-10:45 Session 10 Mitochondria and inter-organellar redox biology (IDAC session)	8:40-10:25 Oral Session 5
10:00	10:00-17:00 Poster Installation / Poster Viewing	8:40-17:00 Poster Viewing	8:40-13:45 Poster Viewing	8:40-15:15 Poster Viewing	8:40-12:00 Poster Removal
11:00	11:20-12:05 Lunch Seminar 1	11:10-12:00 Opening Ceremony: Center for Supersulfide Research	10:45-11:45 Session 8 Roundtable, Sulfide Terminology	10:50-12:05 Oral Session 4	10:35-12:40 Session 13 Redox biology in cancer and chemotherapeutics
12:00	12:10-14:10 Session 2 Sulfur and oxygen redox biology and medicine	12:10-12:55 Lunch Seminar 2	11:50-12:35 Lunch Seminar 3	Lunch Break Public Lecture (in Japanese)	
13:00	14:15-15:25 Session 3 NO and supersulfide in prokaryotes and plants	13:10-15:20 Memorial Joint Symposium: University for International Research Excellence, Center for Supersulfide Research & MEXT/JSPS Research Projects: G-ReXS & Transformation Research Area	12:45-13:45 Oral Session 1	12:55-15:15 Session 11 Thiol and chalcogen biology in redox medicine	12:40- Closing Remarks
14:00	15:30-17:55 Session 4 Supersulfide probe development and imaging	15:25-16:10 Plenary Lecture 1 (Marcus Conrad)	14:35-15:20 Oral Session 2	13:45-14:35 Poster Session	
15:00		16:20-18:00 Session 6 Ferroptosis in chalcogen biology	15:25-17:30 Session 9 Redox signaling in inflammation and aging	14:35-18:00 Poster Viewing	
16:00			17:35-18:50 Oral Session 3	15:45-17:05 Rising Star Session	
17:00				15:15-15:45 Poster Session	
18:00				15:45-18:00 Poster Viewing	
19:00	19:00- Welcome Reception @Westin Sendai	19:00- -for invited guests- Banquet @Westin Sendai		17:10-18:50 Session 12 Supersulfide in cardiovascular disease regulation	
20:00				19:30- Get-together @Kokubuncho "Back Page Bar"	