

**“Science of Life”
for human happiness**

Senri Life Science Foundation

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International symposium held on January 19, 2018. "A New Horizon of Cancer Immunotherapy"



President of Senri Life Science Foundation

Shizuo Akira

The foundation was established in July 1990, based on the vision of the late Yuichi Yamamura, former Osaka University President, who aimed to make the northern Osaka area, centered around Senri, into a hub for life science. The foundation serves as “the exchange base of wisdom,” where life science researchers in industry, academia, and government can freely and openly exchange information and ideas, transcending the boundaries of their respective organizations.

The northern Osaka area hosts a cluster of medical and research institutes such as Osaka University, the National Cerebral and Cardiovascular Center (NCVC), and the National Institutes of Biomedical Innovation, Health and Nutrition (NIBIOHN), as well as research laboratories and factories of pharmaceutical companies. Hubs like Saito Life Science Park, KENTO (Northern Osaka Health and Biomedical Innovation Town), and Nakanoshima (International Hub for Future Medicine) are also being established here.

In this environment, the foundation was accredited as a public interest incorporated foundation in 2010, and has since been further enhancing its role as “the exchange base of wisdom.” It has expanded and reinforced its activities across various areas, including cultivating research talent in the field of life sciences, research grants and support, public awareness, and assistance in the practical application of research, all with the goal of promoting cutting-edge and socially beneficial endeavors.

The field of life sciences, which explores the mechanisms of life, encompasses a broad range of academic disciplines. Its outcomes are expected to make significant contributions not only to medical and health, but also to the foundation of human life, including areas such as the environment and food to create a prosperous and happy human society. However, we believe that achieving this requires us to steadfastly accumulate a diverse range of research with a solid foundation in science. The foundation aims to support such research endeavors and widely provide information.

With the spread of the new coronavirus infection from 2020, the nature of our business activities has changed completely. Web-based events have become the primary format, bringing benefits such as increased accessibility for a wider audience, including those from distant locations. As a result, this has contributed to enhancing the foundation’s visibility and the satisfaction level of our programs.

On the other hand, there is concern about whether we are fully fulfilling the role of “the exchange base of wisdom” as envisioned by Dr. Yamamura in creating a casual networking place like an “Aka-chochin” in Senri. In the “With Corona” and “Post Corona” era, even with the hybrid format combining web and on-site components, we are actively exploring program development to create a sense of unity between speakers and audience, and encouraging participation of large audiences at the venue. We aim to continue contributing to society as the exchange of life sciences. We appreciate your ongoing support and cooperation in the foundation’s activities.

*Aka-chochin: Japanese traditional pub showing a red lantern(Aka-chochin) in front of it.

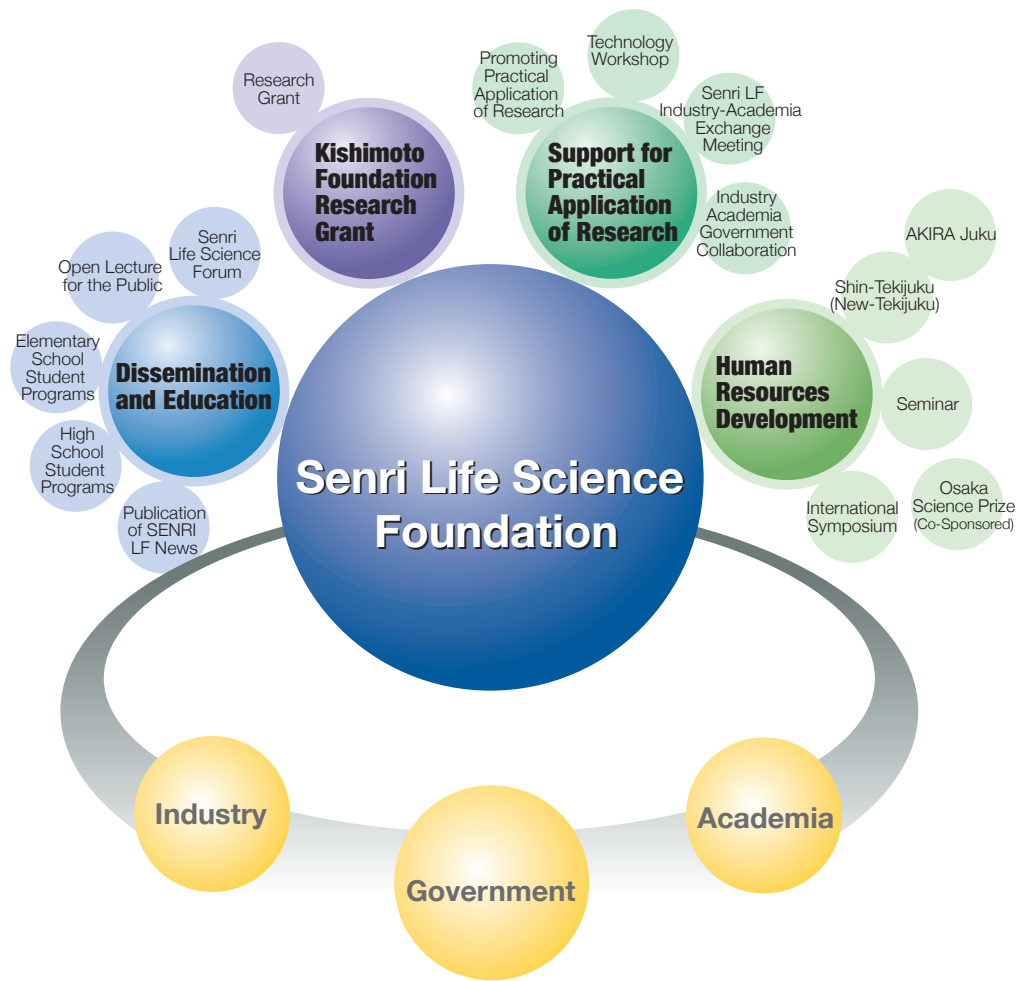


Senri Life Science Foundation
Honorary President,
Tadamitsu Kishimoto

継続は
創造を生む

Continuity
Produces
Creativity.

Business Activities



Human Resources Development

We contribute to the development of creative and innovative young researchers who will lead research in the next generation of life sciences, and to the improvement of the quality of researchers.

Senri Life Science Seminars

We invite several leading life science experts as guest lecturers, and they introduce and present the latest research findings and trends on cutting-edge research topics. Among the presenters, we have Nobel laureates such as Dr. Yoshinori Ohsumi and Dr. Shinya Yamanaka. Recently, we have also been increasingly inviting experts from industry to give lectures on drug discovery. In addition to on-site venues that allow for close discussions with lecturers, we will also incorporate web streaming to make it accessible to a wider audience across the country. As part of the Senri Life Science Seminars, once every two years we hold an 'International Symposium' (in English), where prominent researchers from overseas gather to give lectures on the world's most cutting-edge research topics.



Seminar



International Symposium (2018)

Shin-Tekijuku* (New-Tekijuku)

*Tekijuku: A private school founded by Koan Ogata in 1838, considered to be the origin of Osaka University.

We have been organizing evening lectures and get-togethers with the speakers after the lectures in the spirit of fostering an atmosphere in which young researchers can engage in open and candid discussions, with the principles of "you can ask anything and say what you really think," and "don't be embarrassed to ask anything." This "Shin-Tekijuku" alternates between three themes each month: 'The Fascination of the Brain,' 'Challenges in Rare Diseases,' and 'Invitation to Future Drug Discovery.'

After Corona, we will continue to prioritize on-site events while also maintaining web streaming. We have also resumed get-togethers after the lectures at the venue with the aim of facilitating interaction among all participants.



Shin-Tekijuku* (New-Tekijuku)

AKIRA Juku (AKIRA Academy)

"Behind success, sweat and tears." We hold the "AKIRA Juku," inviting successful researchers to share the hidden aspects behind their success, with the aim of inspiring and motivating young researchers in their future endeavors. This "AKIRA Juku," conducted twice a year, incorporates the "Shin-Tekijuku" principles of "you can ask anything and say what you really think," and "don't be embarrassed to ask anything." This will be followed by post-lecture get-togethers with the speakers.



AKIRA Juku

Osaka Science Prize (Co-Sponsored)

In order to promote creative science and technology and contribute to new developments of the 21st century, as well as the future of human society, we honor extremely promising researchers who play a significant role in these aspects with the Osaka Science Prize. (Co-sponsored with Osaka Prefecture, Osaka City, and (the general incorporated association) Osaka Science & Technology Center.)

Kishimoto Foundation Research Grant Program

With donations from the Kishimoto Foundation since 2010, our foundation has been conducting research grants under the name of ‘Kishimoto Foundation Research Grants.’ By providing research funding for outstanding research in the field of life sciences, we aim to stimulate research activities and foster the emergence of new research endeavors, and we are confident that the outcomes will ultimately contribute to the revitalization of industries and improve the lives of citizens.

The following 1 to 3 are the basic fields of research in which we annually provide research grants of 2 million yen to around 15 promising young researchers who excel in creativity and innovation, and we anticipate that they will have a ripple effect on the advancement of life sciences.

- 1 Elucidation of life phenomena
- 2 Maintenance and promotion of health and prevention and treatment of diseases
- 3 Industrial application of organisms and their various functions



Kishimoto Foundation Research Grant 10th Anniversary Magazine

Support for Application of Research

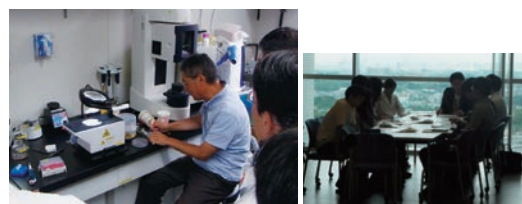
We promote and support the application and commercialization of research in the life sciences.

Supporting the application of research

Among the basic research seeds and interdisciplinary seeds of the Translational Research Program, we provide support for the practical application of research through interviews and by advising on research plans and progress, as well as facilitating connections to businesses for research projects outside of Osaka University.

Technology Workshop

We aim to enhance the research capabilities of young researchers from academia, venture companies, and small to medium-sized enterprises in the field of life sciences by offering lectures by prominent researchers in the field on the latest experimental techniques and cutting-edge equipment, and by providing opportunities for hands-on training and practical equipment operation.



Hands-on training using cutting-edge equipment

Lecture on experimental techniques

Senri LF Industry-Academia Exchange Meeting

We aim to promote the advancement of basic research themes in academia and provide a platform for discussions on research strategies and directions that incorporate the perspective of businesses for future practical applications. Rather than focusing solely on matching, our goal is to integrate the mutual knowledge and experience of academia and industry.

Life Science Industry Academia Government Collaboration

We cooperate in organizing the Industry-Academia-Government Innovation Stage and the Saito Industry-Academia-Government Collaboration Forum.

Dissemination and Education

We conduct various programs to provide opportunities for the general public and students (elementary and high school students) to access learning and interact with researchers, while also disseminating knowledge and information related to life sciences and promoting our foundation’s activities.

Senri Life Science Forum

To promote both improvement of culture and interactions among the general public (including industry, academia, and government), we invite leading researchers from various fields, not limited to life sciences, as speakers for monthly forums (lectures), not including August.

In the post-COVID era, we have resumed the on-site venue and get-togethers with the speakers after the event. In addition, we record the lectures and offer on-demand streaming for three days, making it accessible to attendees across the country.

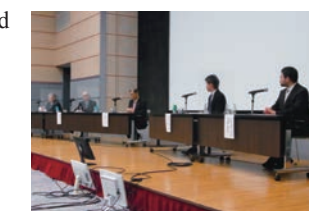
We offer Senri Life Science Club Members (with an annual fee) about one month of on-demand streaming, which is getting positive reviews as videos can be repeatedly studied.



Recording scene of on-demand Streaming Video

Public Lectures

We hold public lectures (free of charge) twice a year on familiar and in-demand themes in the field of life sciences for the general public, including industry, academia, and government. These lectures aim to disseminate accurate knowledge in an easily understandable manner. Recently, we have been particularly focused on organizing topics of specific interest to senior citizens. We have resumed hosting events at on-site venues, and many citizens are participating. We also provide web streaming, allowing participants from across the country, not limited to the Kansai region, to join.



Panel Discussion (Web Streaming)

Activities for Elementary School Students and High School Students

We are planning dissemination and educational programs aimed at fostering intellectual curiosity and motivation in elementary and high school students, including junior high school students. Our goal is to cultivate the next generation of talent who will contribute to the future advancement of life sciences.



Science school for elementary school students

On-location classes for high school students

In our elementary school program, we provide opportunities for students to engage in fascinating experiences through practical training and experiments guided by university professors. In our high school program, we provide seminars and offer on-location classes.

Public relations magazine “Senri Life Science Promotion Foundation News”

Senri Life Science Foundation News is primarily published three times a year, not only to widely disseminate the Foundation’s activities but also to transform the newsletter into a hub for intellectual exchange. Our aim is to create a publication in which readers can sense the human touch in life sciences.

Each issue prominently features three main sections: “Opening Dialogues EYES,” “Kaitai Shinsho,” and “Relay Talk.” Furthermore, we provide comprehensive coverage of the Foundation’s various events, including reports and announcements.

Through our public relations magazine, we will continue to widely deliver the joy of science, high level Japanese research, and the captivating personalities of researchers.



The Intellectual Infrastructure of Life Sciences Spread Across Northern Osaka

The northern Osaka area has high potential with a concentration of excellent university research institutes, or their equivalents, in the life science field, including the Senri Life Science Center, Osaka University, Saito Life Science Park, and Northern Osaka Health and Biomedical Innovation Town (KENTO).



1 Senri Life Science Center Building: the foundation's operational base

Located at the entrance of research and facilities in the life science field spread across the northern part of Osaka, the center provides a suitable environment for holding nationwide conferences and seminars.

2 Osaka University

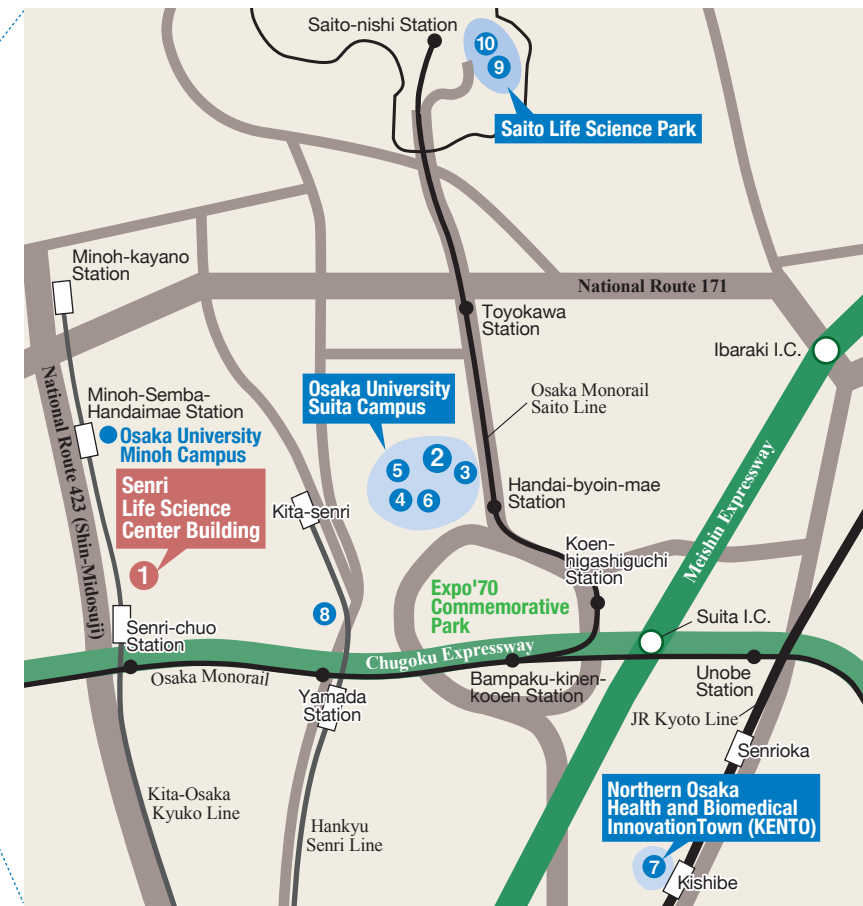
It is one of Japan's leading comprehensive universities with 11 faculties, 15 graduate schools, 6 affiliated research institutes, and 2 affiliated hospitals, and it is particularly renowned for its immunological research. It excels in the biomedical field and has produced many accomplished researchers. The university is also actively engaged in industrializing research outcomes.

3 Osaka University Hospital

Osaka University Hospital is an advanced medical development hospital with a mission of providing high-quality medical care and contributing to the training of medical professionals and the advancement of medicine.

4 Research Institute for Microbial Diseases, Osaka University (RIMD)

The Research Institute for Microbial Diseases, Osaka University (RIMD) has been at the forefront of research in the fields of medical science and biology, particularly in infectious diseases, immunology, and cancer research. Currently, in addition to these research areas, the Institute is expanding its research to encompass a wide range of areas, including genetic engineering and genome analysis.



5 Institute for Protein Research, Osaka University (IPR)

The Institute for Protein Research, Osaka University (IPR), aims to elucidate the principles of life activity through basic research on proteins. The Institute is committed to promoting collaborative research and sharing of facilities and equipment with researchers from both domestic and international institutions, including the industry. Additionally, it is dedicated to fostering research talent in this field.

6 Osaka University Immunology Frontier Research Center (IFReC)

The Osaka University Immunology Frontier Research Center (IFReC) is an international base for immunology research and is established as a World Premier International Research Center (WPI). Celebrating its 10th anniversary in 2017, it continues to accelerate cutting-edge basic research and its translation into medical applications.

7 National Cerebral and Cardiovascular Center (NCVC)

A national highly specialized medical center established with the goal of investigating and controlling cardiovascular disease, it brings together experts in the diagnosis and research of cardiovascular and cerebrovascular diseases, along with collaboration with industry, to work towards improving treatment outcomes and developing new technologies.

8 RIKEN Center for Biosystems Dynamics Research (BDR)

The RIKEN BDR aims to elucidate the life functions that support an individual's entire lifespan by viewing living organisms, including humans, as harmonious systems of interconnected molecules, cells, and organs. It promotes the next generation of life sciences through the development of elemental technologies for analyzing and simulating molecular dynamics within living cells.

9 SAITO BIO Incubation Facilities

The Saito Bio Incubator, Saito Bio Innovation Center, and Saito Bio Hills Center were established in the Saito Life Science Park mainly to foster and support university-launched bio ventures and companies developing new businesses. These facilities provide comprehensive incubation support by maximizing the use of private-sector know-how and networks in the operation of the facilities.

10 National Institutes of Biomedical Innovation, Health, and Nutrition (NIBIOHN)

This institute is engaged in business and operations contributing to the improvement of national health and in line with the Health Promotion Act, by developing infrastructure for the improvement of pharmaceutical and medical device technologies as well as conducting surveys and research on the maintenance and promotion of national health, national nutrition, and other dietary habits of people.

History

1988 August,
Inauguration of the preparatory committee for the establishment of Senri Life Science Foundation
Yuichi Yamamura appointed Chairman

1990 July,
Senri Life Science Foundation established (with consent from the Osaka Governor)
Yoshio Okada appointed President

1990 September,
An event commemorating establishment, "Toward 21st Century Life Science," is held

1990 November,
Start of Research Grants

1990 December,
Public Relations Magazine "LF News" published, Senri Life Science Seminars begin

1991 March,
Senri Life Science Public Lecture "Adult Illness Series" begins

1991 August,
Senri Life Science Technology Workshop begins

1991 November,
Solicitation for Open Lab, Business Incubator Facility Occupants begins

1992 June,
Senri Life Science Center Building construction is completed

1992 July,
Senri Life Science Center, Senri Life Science Foundation Office moves to the 8th floor

1992 September,
Senri Life Science Salon Forum begins

1992 October,
Completion commemorative international symposium,
"Developments in Life Sciences and Our Future Health," is held

1994 April,
Shin-Tekijuku begins (Neuroscience Exchange)

1995 July,
Shin-Tekijuku begins (21st Century Medicine Chest)
Life science promotion survey in Northern Osaka (FY1995)

1997 July,
Elementary School Student Program, "Senri Nature College," begins

2000 October,
10th anniversary commemorative symposium,
"Observing the 21st Century Life Science Frontier," is held

2000 November,
Senri Life Science Forum marks its 100th time in total.

2002 July,
the Knowledge Cluster Initiative:
Phase I (Ministry of Education, Culture, Sports, Science and Technology subsidized program) begins

2007 March,
Tadamitsu Kishimoto appointed President

2007 June,
the Knowledge Cluster Initiative:
Phase II (Ministry of Education, Culture, Sports, Science and Technology subsidized program) begins

2007 November,
Senri Life Science 100th Commemorative Seminar is held



Outside of Senri Life Science Center Building at completion of construction



A monument to Yuichi Yamamura at the 1st floor entrance:
"Ten no Toki, Chi no Ri, Hito no Wa"

2008 May,
Yoshio Okada former President (Special Advisor) memorial address is held
2008 September,
Senri Life Science Foundation Office moves to the 20th floor

2009 March,
Senri Life Science Forum marks its 200th time in total
High School Student Program, "Life Science Seminar: Let's Talk with Researchers," begins

2010 January,
International Symposium, "Future Outcome of Stem Cell Research Today," is held

2010 April,
Switch to Public Interest Incorporated Foundation

2010 December,
Tadamitsu Kishimoto Dialogue Collection is published

2012 January,
International Symposium, "Cutting-edge of Autophagy Study," is held
Regional Innovation Strategy Support Program begins (Ministry of Education, Culture, Sports, Science and Technology subsidized project), On-location classes for high school students begin

2013 December,
Tadamitsu Kishimoto's "Dialogue Collection New Edition: Talking with 16 Frontrunners in the Life Sciences" is published

2014 January,
International Symposium, "Innate Immunity, Cytokines, and Immune Regulation," is held

2015 September,
Depositing LF News to the National Diet Library (including back numbers) begins

2016 January,
International Symposium, "Frontiers in Structural Biology: X-ray Free Electron Laser and Drug Discovery," is held

2017 September,
Senri Life Science Forum marks its 300th time in total

2018 January,
International Symposium, "A New Horizon of Cancer Immunotherapy," is held

2018 August,
Tadamitsu Kishimoto's "Dialogue Collection III: 13 Stories on Pioneering the Frontier of the Life Sciences" is published

2020 January,
International Symposium, "Recent Advance in Cancer Genomics," is held

2020 July,
30th Anniversary of the Establishment of the Senri Life Science Foundation.
LF News 30th Anniversary Special Edition is published

2020 September,
Web streaming of Seminars, Shin-Tekijuku, and Forums begins

2020 October,
Web streaming of Public Lectures begins

2021 May,
"Kishimoto Foundation Research Grant 10th Anniversary Magazine" is published

2021 June,
Electronic application for Kishimoto Foundation Research Grants begins

2022 June,
Tadamitsu Kishimoto is appointed Honorary President
Shizuo Akira is appointed President

2022 November,
Tadamitsu Kishimoto's "Dialogue Collection IV: Encounters of Knowledge Traveler" is published

2023 July,
"AKIRA Juku" begins

2024 May,
International Symposium,
"Science of Behaving and Sleeping Brains," is held

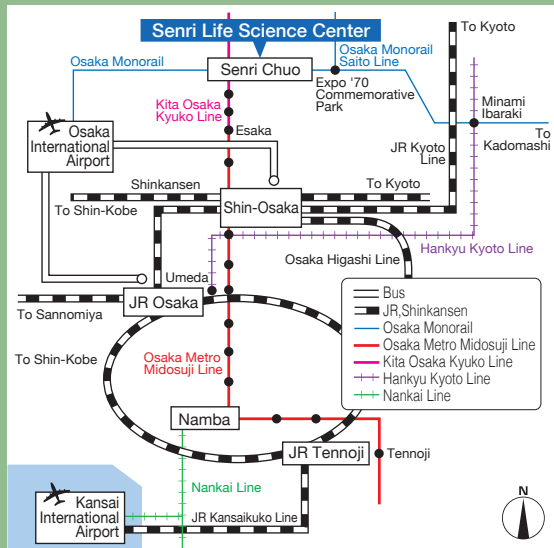


6th floor Senri Room A

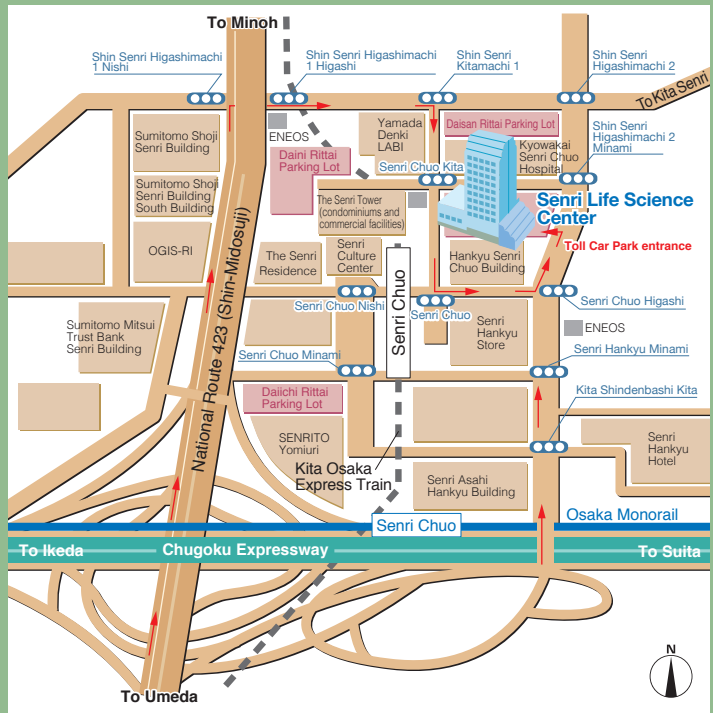


5th floor Yuichi Yamamura Commemorative Life Hall

Traffic Access



- Subway Senri Chuo Station, North Exit
(Osaka Metro Midosuji Line → Kita Osaka Kyuko Line)
- Approximately 15 minutes by car from Osaka International Airport
- Approximately 13 minutes by Osaka Monorail from Osaka International Airport
(Approximately 11 minutes from Minami Ibaraki, Approximately 24 minutes from Kadomashi)
- Approximately 13 minutes by Osaka Metro from Shin Osaka Station
- Approximately 19 minutes by Osaka Metro Midosuji Line from Osaka Umeda



Senri Life Science Foundation

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