FY2027 Open Call Guidelines for Joint Research

Research Center for Global and Local Infectious Diseases, Oita University

The Research Center for GLOBAL and LOCAL Infectious Diseases (RCGLID) was established by Oita University on 1st October 2021 as a national joint-use facility to strategically promote the strengthening of university-wide research capabilities in infectious diseases. It also contributes to the enhancement and improvement of the research infrastructure for infectious diseases in Japan.

In collaboration with research institutions in Japan and abroad, RCGLID promotes research on the pathogenesis of infectious diseases caused by Pathogenic microorganisms, pathogen genomics, microbiome research, antimicrobial resistance (AMR), and the integration of genomic and microbiological data with clinical information. By seamlessly connecting basic research on pathogens and infectious diseases, areas in which Oita University has particular strengths, with clinical applications and implementation in society, the Center aims to establish an internationally recognized research platform that also serves as a regional hub for infectious disease research.

In recent years, the Center has identified gastrointestinal infectious diseases and gastric cancer prevention as one of its major priority areas.Accordingly, we are strengthening research in pathogen genomic epidemiology, particularly focusing on Helicobacter pylori, AMR, the microbiome, gastrointestinal endoscopy and endoscopic AI, as well as research conducted through international field collaborations.

We therefore invite applications for joint research projects in the priority area of "Gastrointestinal Infectious Diseases and Gastric Cancer Prevention," while continuing to welcome proposals addressing a broad range of infectious diseases under the General Research category.

1. Outline for Call

(1) Call for Proposals

We will accept applications in three categories: A) Priority Research B) General Research and C) Research Seeds.

The applicant (Principal Investigator), in cooperation with the faculty member in charge of the Center, will conduct joint research by setting up a research proposal in accordance with the theme.

A) Priority Research

(Maximum application amount: 1,300,000 yen/proposal, FY 2027)

Research projects should address the Center's research themes described in these guidelines and be conducted in collaboration with the Center’s faculty members.

In particular, we invite proposals in the priority areas of gastrointestinal infectious diseases and gastric cancer prevention, including pathogen genomic epidemiology focusing on H. pylori, antimicrobial resistance (AMR), microbiome research, gastrointestinal endoscopy and endoscopic AI, and research utilizing international field collaborations, as well as One Health research.

We particularly encourage projects that will advance the relevant scientific fields, enhance the academic visibility and international standing of the Center, and serve as core research activities of the Center in its role as a nationwide shared-use research facility.

Research period: Up to 2 years (However, even if your proposal is accepted, you will be required to submit a continuation application each year to evaluate whether the project should be continued. Accordingly, for projects accepted in the previous fiscal year (FY2026), please submitacontinuation application in accordance with the present application guidelines. Likewise, for projects newly accepted through this call, you will be required to submit a continuation application at the time of next year’s call for proposals.)

※B) Applications with the same research title and content as a general research project will not be accepted.

B) General Research

(Maximum application amount: 700,000 yen/proposal, FY 2027)

Research themes of this center are listed on pages 6 to 9 of this guideline which will be carried out in cooperation with the center's faculty. In particular, we will focus our support on research areas that are of international and academic importance and are strategically implemented by this center.

Research period: Up to 2 years (However, even if your proposal is accepted, you will be required to submit a continuation application each year to evaluate whether the project should be continued. Accordingly, for projects accepted in the previous fiscal year(FY2026), please submit a continuation application in accordance with the present application guidelines. Likewise, for projects newly accepted through this call, you will be required to submit a continuation application at the time of next year's call for proposals.)

※A) Applications with the same research title and content as a priority research project will not be accepted.

C) Research Seeds

(Maximum application amount: 300,000 yen/proposal, FY 2027)

In this category, we call for proposals in which the applicant conducts research on infectious diseases based on new ideas in collaboration with the Center's faculty members, with the expectation of expanding the scope of research and promoting collaborative research.

Applicants should consult with the Center's faculty members to determine their research topics and apply.

Research Period：1 year

*1 For continuing proposal, please use the same Research Topic as the previous fiscal year.
*2 The expenses for FY2027 should be completed by the end of February 2028.

(2)Application Requirements

The applicant must be a researcher of a research institution, such as a faculty member of any university, or a researcher who is recognized by the director as having research ability equivalent to that of a faculty member.

We welcome applications from researchers,including youngresearchers,female researchers, and international researchers within the research organization, especially as Principal Investigators.

Graduate students are not eligible to apply. However, graduate students may be included as a member of the research team. Regarding the participation of undergraduate students in research, please consult with us separately.

(3) Research Period

You can indicate a research plan for multiple years A)Priority Research B)General Research: up to 2 years, C)Research Seeds: up to 1 year.). However, the budget execution period is within FY2027.

Please submit Application Form every year because the selection review will be conducted annually.

(4) Determination of the amount available and allocated for each application

A) Priority Research maximum 1,300,000JPY/FY

The Center will review the allocated amount and determine the adopted amount.

Additions to the amount allocated

If the Principal Investigator of each proposal meets the following requirements, an additional amount may be allocated based on the application status and review results.

*If you are 39 years old or younger as of April 1, 2027.

Furthermore, if joint research is conducted using the Center's facilities, and the research plan is outstanding, there is a possibility of providing additional financial support for expenses

and other related costs.

B) General Research maximum 700,000JPY/FY
The Center will review the allocated amount and determine the adopted amount.

Additions to the amount allocated
If the Principal Investigator of each proposal meets the following requirements, an additional amount may be allocated based on the application status and review results.
*If you are 39 years old or younger as of April 1, 2027.
Furthermore, if joint research is conducted using the Center's facilities, and the research plan is outstanding, there is a possibility of providing additional financial support for expenses and other related costs.

C) Research Seeds maximum 300,000JPY/FY
*The Center will determine the amount to be allocated based on the status of applications and screening results.
The expenses that can be applied for "travel expenses" and "research expenses".

Funds will not be allocated directly to the Principal Investigators, and all accounting will be handled by the Center.

2. How to Apply

(1) Application

Form 1: Application for Joint Research / Research Seeds Fiscal Year 2027
Form 2: Report for Joint Research Fiscal Year 2026 (*)

※ In the case of a continuation of an application from or before FY 2026 or a new application for FY 2027 after the completion of a proposal for FY 2026, please prepare and submit a report on the results of Form 2 at the time of application. The final version should be submitted at the end of the fiscal year (submission deadline is April 30, 2027).

Accounting Form 1: Contact Form for Delegation of Inspection Authority(Japanese form)

When equipment or materials purchased with this joint research funding are delivered directly to the applicant's home institution, a procedure to delegate inspection authority as stipulated in Oita University's regulations is required. (Please refer to Attachment 2.)
Once the selection of the joint research project is finalized, our accounting staff will contact you regarding the procedure for delegating inspection authority. Please check with the relevant inspection/procurement department at your institution in advance.
Note: This procedure applies only to researchers affiliated with institutions in Japan. Researchers affiliated with overseas institutions will be provided with further instructions after selection.

Please prepare Form 1 after thoroughly discussing the research topic, research plan, necessary expenses, planned period of visit to the center, etc., in advance with the faculty members in charge of this center. It is also necessary to obtain prior consent from the co-researchers. Also, a new section on collaboration status with the Center's faculty members has been added. Please ask the faculty member in charge of the Center to fill in the agreed-upon research plan for the joint research.

When submitting all application documents, please send a converted PDF file as an attachment by e-mail to the following contact person. Please keep your application no longer than four (4) pages.

【Contact person】
Research Center for Global and Local Infectious Diseases, Oita University

E-mail: glocal@oita-u.ac.jp Tel: +81-97-586-5444
Homepage: https://www.oita-glocal.jp/en/index.html

(2) Deadline for application

5:00 p.m.18, January, 2027 (Monday) （JST）

(3) Review

Applicants will be notified of the outcome by the beginning of April 2027. In the review process, the adopted amount will be determined based on the number of applicants, the contents of the proposal, the previous year's report (if it is a continuation of a proposal), and the appropriate amount for the project.

Therefore, the adopted amount may be reduced than the application amount.
In addition, proposals with extremely low review scores will be rejected.

Name and affiliation of the principal investigator, the title of the research project, and the results of the research will be made public on the Center's website and in its annual report, etc., for the adopted research projects.

(Reference) Review perspective

(1) Academic importance and validity of the research topic.
(2) Validity of research plan and methods.
(3) Originality and innovation of the research topic.
(4) Utilization of the Center.（e.g.research resources, facilities, data, international field sites, and analytical support）
(5) Contribution to the region and the world.
(6) Validity of the use expenses.

3. Responsibilities of the Principal Investigator after Adoption

(1) Report of Research Results

The Principal Investigator is required to submit the "Report on Joint Research Results" within 30 days after the end of the research period of each fiscal year. The results of this joint research may be presented at a result reporting meeting for evaluation purposes.

(2) Publication of results

In principle, the results of this joint research must be published in an academic paper or presented at an academic conference (with proceedings) collaborated with a faculty member of the Center. Please be sure to indicate in the Acknowledgments section that these are the results of the conducted joint research.

【English】

Example 1. This work was (partly) conducted by the joint research program of the Research Center for GLOBAL and LOCAL Infectious Diseases、 Oita University (#####)

Example 2. This work was (partly) supported by the Research Center for GLOBAL and LOCAL Infectious Diseases、 Oita University(#####)

"#" means the adoption number

Please inform us of your results by e-mail, and submit one copy of the reprint (PDF is acceptable) or one copy of the poster to us: glocal@oita-u.ac.jp

We may contact you regarding follow-up surveys on the research results after the joint research period.

The submitted reports and papers will be reported in the Center's activity reports, annual reports, the Center's website, etc. In addition, we plan to publicize outstanding research

findings in mass media. When publicizing with the mass media, we will make adjustments after we have inquired in advance whether or not the information can be disclosed.

(3) Issues Relevant to the Protection of Human Right and Compliance with Laws and Regulations

If the proposed research involves such issues that require obtaining the consent and/or cooperation of third parties, consideration in handling of personal information, or actions related to bioethics and/or biosafety, including the laws, regulations, and guidelines in the country/region(s) where the joint international research is to be conducted, describe the measures and actions planned to be taken in responding to these issues in (Form1) Application for Joint Research ＆Research seeds FY2027 [section 9. Issues Relevant to the Protection of Human Right and Compliance with Laws and Regulations].

This provision applies to research activities that would require approval by an internal or external ethical jury, such as research involving the handling of personal information from questionnaire surveys, interviews and/or behavior surveys, including personal histories and images, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

(4) Handling of Intellectual Property Rights

If any intellectual property has been created through this Joint Research, please contact the Center's Faculty and Research Collaborators before filing an application, etc., and also contact the department in charge of intellectual property at the organization to which you belong. The share of rights, application procedures, etc. will be determined through discussion.

4. Other

(1) Disclosure of Information

In the case that information disclosure is requested by an external party, the accepted application form may be disclosed except for the information that can be personally identified. In the course of conducting research, please mark any part that you do not want to be disclosed (such as descriptions including originality) with an underline in the application form. It will be considered at the time of disclosure.

(2) Personal Information, etc.

We will strive to protect personal information obtained in relation to this recruitment in accordance with the personal information protection policy of the Oita University.

These guidelines are subject to the approval of the 2027 budget, Oita University. Therefore, please note that there is a possibility that the contents and the adopted amount may change.

Research fields of the Center's faculty members and their contact information

Name	Research fields and keyword	E-mail
Yoshio Yamaoka /Takashi Matsumoto	Research fields: Pathogenesis and antimicrobial resistance of Helicobacter pylori and gastric/intestinal microbiome Keyword: Helicobacter pylori, genome analysis, antimicrobial reesistance, microbiome https://researchmap.jp/yoyamaoka	yyamaoka@oita-u.ac.jp / tmatsumoto9@oita-u.ac.jp
Akira Nishizono /Takaaki Yahiro /Kazunori Kimitsuki	Research fields: Research for host-parasite relationship in Viral infections and development of therapeutic- and Preventive-strategy Keyword: Rabies virus, SFTS virus https://researchmap.jp/read_0019201 https://researchmap.jp/tyahiro	a24zono@oita-u.ac.jp / takaaki-816@oita-u.ac.jp / k-kimitsuki@oita-u.ac.jp
Tsuyoshi Etoh	Research fields: Oncolytic Viral Therapy for Cancer, Gastroenterological Surgery, Minimally Invasive Therapy Keyword: Oncolytic virus, Bacterial infection biology, Antibiotics-resistant *Helicobacter pylori*, Phototherapy, Minimally invasive therapy	teto@oita-u.ac.jp
Hitomi Mimuro /Tomohiro Miyoshi	Research fields: Bacterial infection biology Keyword: *Helicobacter pylori*, *Shigella*, Oral bacteria, Gastrointestinal pathogenic bacteria, Pathogenicity regulation mechanisms, Host responses, Antimicrobial resistance (AMR), VBNC, Phage https://researchmap.jp/hitomimimuro https://researchmap.jp/tomohiromiyoshi	mimuro@oita-u.ac.jp / miyoshit@oita-u.ac.jp

Satoshi Komoto	Research fields: Rotavirus, Gastroenteric viruses Keyword: Emerging and re-emerging infectious https://researchmap.jp/read0191150	satoshik@oita-u.ac.jp
Mitsushige Sugimoto	Research fields: H. pylori and Non-Helicobacter pylori Helicobacter; Epidemiological research, Development of infection diagnostic methods, and Evaluation of eradication therapy based on drug-metabolized enzyme genetic variation and susceptibility test Keyword: Antibiotic-resistant bacteria, Non-Helicobacter pylori Helicobacter, CYP2C19 genotype	sugimo@oita-u.ac.jp
Koro Gotoh	Research fields: Neuroendocrinology, Molecular Biology Keyword: Intestinal flora, intestinal barrier, inflammation, Gut-derived secondary metabolites, Pathogenesis of inflammation-linked diseases	gotokoro@oita-u.ac.jp
Reiko Miyahara	Research fields: Epidemiology of Infectious Disease, Global Health, Public Health Keyword: Mycobacterium tuberculosis, dengue fever, Severe fever with thrombocytopenia syndrome (SFTS), emerging and re-emerging infectious diseases, transmission, molecular epidemiology, public health https://researchmap.jp/reiko_miyahara	rmiyahara@oita-u.ac.jp
Takuro Uchida	Research fields: Hepatology, Hepatitis Virus Keyword: HBV, HCV, hepatitis, Liver diseases, Virus host interaction	tuchida@oita-u.ac.jp

	https://researchmap.jp/takurouchida	
Sakirul Khan	Research fields: Comprehensive research on emerging and re-emerging viral infections (notably Rhabdoviruses, Flaviviruses, and SARS-CoV-2) and development of repurposing drugs/therapies. Keyword: Infectious disease epidemiology; Repurposing drugs/therapies https://researchmap.jp/MSI_KHAN	sakirul@oita-u.ac.jp
Kazufumi Hiramatsu	Research fields: *Pseudomonas aeruginosa* infection, Antimicrobial Resistance (AMR) Keyword: Antimicrobial resistant pathogen, *Pseudomonas aeruginosa*, Hospital acquired infection, Antimicrobial therapy other than antibiotics https://researchmap.jp/read0161428	hiramats@oita-u.ac.jp
Naoto Uemura	Research fields: Research and development of novel therapeutics and vaccines https://www.med.oita-u.ac.jp/clinical_pharmacology/en_kenkyu.html	uemura@oita-u.ac.jp
Shigeru Matsuoka	Research fields: Medicinal chemistry Keyword: Small molecules, Antiviral agents, Compound library, Molecular design	s-matsuoka@oita-u.ac.jp
Masao Ogata	Research fields: Hematology, Hematopoietic stem cell transplantation, Viral infection Keyword: Human herpesvirus 6, immunodeficiency-related viral infections	mogata@oita-u.ac.jp

	https://researchmap.jp/read0207324	
Takashi Kobayashi /Naganori Kamiyama	Research fields: Immunology, Parasitology Keyword: Infectious immunity, Disease model, Virulence factors https://researchmap.jp/read0118220	kansen@oita-u.ac.jp
Emi Hifumi	Research fields: Life science, Biotechnology, Antibody engineering Keyword: Catalytic antibody, Antibody subunit, Antiviral effect https://researchmap.jp/hfmread0622	e-hifumi@oita-u.ac.jp
Kousaku Komiya	Research fields: pulmonary tuberculosis, Nontuberculous mycobacteriosis https://researchmap.jp/kkomiya	komiyakh1@oita-u.ac.jp
Hidekatsu Iha	Research Field: Molecular Epidemiology and Molecular Oncology Keywords: HTLV-1/STLV-1 molecular epidemiological and molecular evolutionary analysis ATL Risk, Biomarkers, Molecular Targeted Therapies. https://researchmap.jp/Hidekatsu_Iha	hiha@oita-u.ac.jp
Tomohisa Uchida	Research fields: Epidemiology of Helicobacter pylori in Asian countries Keyword: Helicobacter pylori	tomohisa@oita-u.ac.jp

<Main Facilities>

For more information, please visit the Center's website. (https://www.oita-glocal.jp/device/)

No.	Machine name	Manufacturer Name	Model number	Main applications	※ Usage fee (off-campus person)
1	Light sheet fluorescence microscope	Zeiss	Lightsheet 7	Imaging of live cell, cleared organs, organoids, model small organisms, oocytes, brains, etc.	1 hour 5,000 Yen
2	Confocal laser scanning microscope	Olympus	FV3000-L4H2-BD-3	Live cell/tissue imaging and time-lapse imaging.	1 hour 5,000 Yen
3	Real-Time PCR system	Roche Diagnostics	LightCycler 96	Real-time monitoring and analysis of the amount of DNA amplified by PCR.	1 Run 1,000 Yen
4	Next generation sequencer （Long-read）	Oxford Nanopore Technologies	GridION X5	Up to 5 samples can be run at once, long-read sequencing with high nucleotide sequence accuracy.	1,600 yen per hour (If the usage time is less than 12 consecutive hours) 19,000 yen per session (If the usage time is between 12 and 48 consecutive hours)
5	Next generation sequencer （Short-read）	Illumina	iSeq 100	Short read length sequence	1 Run 5,000 Yen
6	Single-Cell System	10x Genomics	Chromium iX	Single-cell transcriptome analysis of hundreds to tens of thousands of cells	1 sample 9,500 Yen
7	Digital PCR system	Thermo Fisher Scientific	QuantStudio Absolute Q	Measures the fraction of negative microreactions to determine the absolute number	1 Run 2,500 Yen
8	Biomolecular Interaction Analysis System	Sartorius	Octet RED96e System	Kinetic analysis, quantification, and affinity analysis in 96-well plates	1 hour 2,000 Yen
9	Automated capillary electrophoresis system	QIAGEN	QIAxcel Advanced System	Automated multi-capillary DNA/RNA electrophoresis system.	1 Run 1,500 Yen

10	Fluorescence plate reader	PerkinElmer	Nivo Alpha S	Alpha measurement, Absorbance measurement, Fluorescence measurement, Luminescence measurement	1 hour 1,000 Yen

※Half of the usage fee will be waived when used for the center's research conducted by RCGLID members (including joint research through this open call).

<Pathogens>

Bacteria: H. pylori, dysentery bacillus, (Mycobacterium tuberculosis)

Viruses: rabies virus, SFTS virus, rotavirus, reovirus, hepatitis B virus, hepatitis C virus, hepatitis D virus, mosquito-borne viruses (dengue virus, Zika virus, chikungunya virus)

Parasite: Toxoplasma, Leishmania

Appendix 1

Regarding the handling of joint research funds by the Research Center for GLOBAL and LOCAL Infectious Diseases, Oita University

The Research Center for GLOBAL and LOCAL Infectious Diseases (RCGLID) will handle all accounting for this joint research expenditure amount, rather than allocating the budget to the selected principal investigator.
The scope of expenses is as follows

■ Travel Expenses
(1) In order to promote joint research, please plan at least one business trip to RCGLID for the purpose of joint use and research.
(2) Please note that only business trips to RCGLID are allowed. However, when you present the results of your joint research results at a conference, the principal investigator and research assistants can request the travel expenses.
(3) Travel expenses other than those of the Principal Investigator and Research Assistants can't be paid.
(4) Travel expenses for faculty members of the RCGLID are not allowed.
(5) Travel expenses will be calculated in accordance with the Oita University Travel Expense Regulations and will be paid in settlement (by bank transfer).

■ Research Expenses
(1) Expendables supplies
Expendables supplies are items that are directly used for joint research with RCGLID and have a unit price of less than 100,000 yen. However, items listed in (a) through (d) below cannot be purchased even if the amount is less than 100,000 yen.
(a) Equipment and fixtures (desks, chairs, bookshelves, laboratory tables, etc.) to be provided at each institution
(b) General-purpose office supply (computers, printers, etc.)
(c) Cashable items such as money certificates, tablet terminals, digital cameras, etc.
(d) Books
(2) Printing expenses
Reprint and submission fees are acceptable, as long as they are clearly stated as having been supported by Joint Research. (Only items that can be delivered within the fiscal year)
(3) Service expenses
The costs of English editing, contracted analysis, postage, and conference participation (limited to cases where the results of this research are presented) will be covered.

【Flow of RCGLID Joint Research Enforcement Proceedings】

Flow of Purchase Order

（Case 1）

In the case of delivery to research representative's affiliated institution

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A person who belongs to the research representative's affiliated institution will go through the procedure for the nominating acceptance inspector through accounting division of Oita University.

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Send the quotation for the products you wish to purchase to glocal@oita-u.ac.jp with an order slip. The address for the quotation is Oita University.

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Oita University order to supplier

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Delivery and acceptance for research representative's affiliated institution

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Original quotation, invoice and delivery note sent to RCGLID by the researcher or supplier.
※The delivery note should be sent with the signature of the appointed acceptance inspector.

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Send an images from the researcher to confirm delivery

（Case 2）

In the case of delivery to Oita University

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Send the quotation for the products you wish to purchase to glocal@oita-u.ac.jp with an order slip, The address for the quotation is Oita University.

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Oita University order to supplier

↓

Delivery and acceptance for Oita University

【Note】
(1) Purchase orders should be submitted at least 14 business days with order slip and quotation.
(2) It should be submit order slip before purchase order and please do not order without permission
(3) It should be get the quote two company in the case of order 500,000yen or more.

Flow of Business Trip Procedure

Pre-trip application form to RCGLID by e-mail (glocal@oita-u.ac.jp)

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Oita University prepared a travel order slip

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Resercher travels on business

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Traveler should submit the documents during business trip

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Oita University pays travel expenses to business travelers

【Before travel】
①Please submit your pre-trip application to glocal@oita-u.ac.jp at least 14 business days prior to youe departure date.
②Please fill out the Direct Deposit Request Form and send it to us as a PDF file together with a copy of your cash card or Internet banking account information. The Direct Deposit Request Form will be sent to you submit the pre-trip application.

【On the day of travel】
③Please submit the following documents for travel expenses.
(1)In case of air travel including package tours, proof of air travel, boading pass, ticket stub, receipt issued at the time of passing through security checkpoint, or boarding pass issued by the airline. For online check-in, a printed copy of the mobile boarding pass is also acceptable.
(2)Reciept or documents proving payment.
※ Regarding lodging expenses, as we have transitioned to a system of reimbursing actual expenses subject to a maximum limit for trips departing on or after November 1, Reiwa 7,
please submit receipts for lodging (showing the amount and breakdown).
※Regarding transportation expenses, effective April 1, Reiwa 8, we have transitioned to a reimbursement-based system for actual costs even when using trains, express buses, and ships; therefore, please submit receipts (showing the amount and route). If the route is not listed on the receipt, please submit either a copy of the ticket or limited-express ticket, or a screenshot of the reservation confirmation email or application screen. (For trips where the entire route is within Kyushu, receipts for trains and express buses are not required.)
④Please signature or seal the travel order sheet prepared by the Oita University.