2024

APPLICANT GUIDELINES

for The International Course

THE GRADUATE SCHOOL OF SYSTEMS LIFE SCIENCES, KYUSHU UNIVERSITY

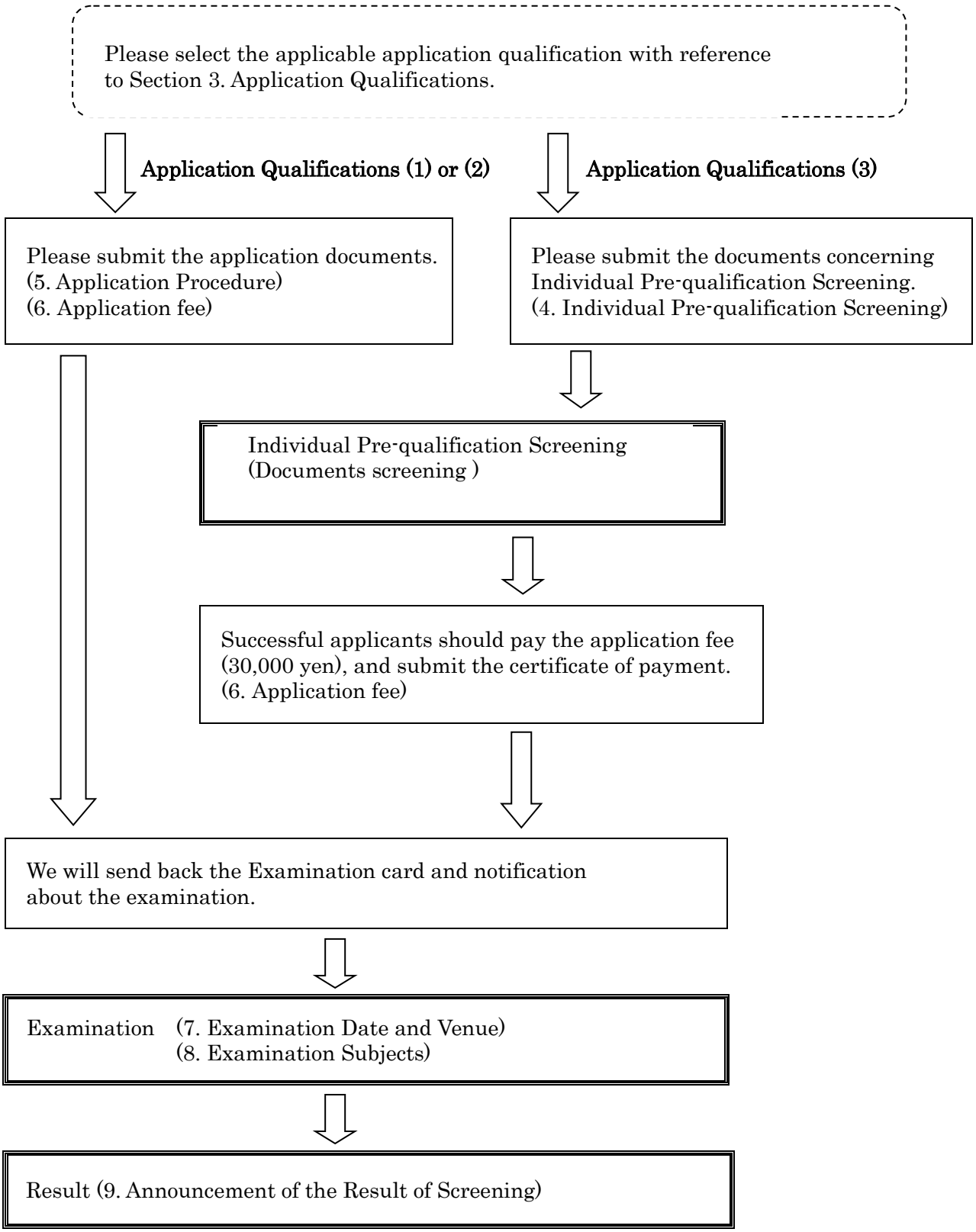
for applicants who wish to enter as 3rd year students

(Academic Year from October,2024)

January, 2024

九州大学大学院システム生命科学府

Flow of application procedure.



1. Admission Policy

The International Master's Program in Systems Life Sciences and the International Doctoral Program in Systems Life Sciences offer students the opportunity to become global leaders in research and education, and top-class professionals with expertise in the fields of advanced life sciences. These Programs are based on the innovative concept of Systems Life Sciences, which represents interdisciplinary education and research involving biology, agriculture, medicine, informatics and engineering, and positions itself at the forefront in the current era of rapidly developing life sciences.

The Graduate School of Systems Life Sciences was established in April 2003 as the University's first interdisciplinary graduate school for life sciences, and was enabled by the Graduate School/Faculty system that characterizes the organization of Kyushu University. The life sciences have developed extensively in the context of many evolutionary events, such as the rapid accumulation of genome data and the accelerated progress in biological and biomedical measurement and imaging techniques. A seamless and highly efficient form of collaboration among specialists in biology, informatics and engineering will be essential to the pursuit of the life sciences in the coming decades. Recognizing this need, the Graduate School of Systems Life Sciences was organized to establish a globally competitive education/research core by drawing from the faculties of many disciplines, including informatics, engineering, agriculture, biology and medicine. Participating academic staff members come from six faculties and one research institute at Kyushu University. The graduate school has a single Department of Systems Life Sciences to enhance interdisciplinary activities. It provides a five-year doctoral course to nurture global leaders of research and education in systems life sciences and top-caliber professionals with combined expertise in biology and informatics, or biology and engineering. There is also an option for a two-year master's program. For applicants who have obtained or will obtain the Master's degree, another entrance examination will be offered for entry as a third year student.

The Graduate School represents a single department composed of the four divisions of Bioinformatics, Life Engineering, Medical Life Sciences, Biological Sciences. This makes the school an advanced education hub that covers the entire field of biology, ranging from the study of molecules to the study of populations and ecosystems.

Our Graduate School is currently establishing its status as a hub for all graduate schools involved in life sciences at Kyushu University, and as a global education/research core for the life sciences.

The International Doctoral Program in Systems Life Sciences encourages students of all nations to take on the future challenges of this rapidly developing field. The sought-after type of student is a student who…

…wishes to challenge the cutting-edge fields of the life sciences.

…has the flexibility to promote interdisciplinary development.

…has robust motivation, and is eager to pursue the quest for truth.

…has a good basic knowledge of the principles and ethics of the life sciences.

2. Admission Capacity; Several students

3. Application Qualifications

Applicants must have a nationality other than Japanese and hold or are expected to hold a resident status of "Student" and meet any of the following requirements.

(1) Persons who hold a Master's degree or a Professional degree, or who earn one by the end of September, 2024 in Japan.

(2) Persons who have obtained, or will obtain, a Master's degree or a Professional degree by the end of September, 2024 in foreign countries.
(3) Persons who have been recognized by our Graduate School, based on an individual screening of the requirements for admission to our Graduate School, as having academic abilities equal to or better than students who have obtained a Master's degree or a Professional degree. And those who reach 24 years old at the time of enrollment.

＊Notes concerning application
a) Applicants who intend to apply in accordance with qualifications (3) must participate in an individual evaluation of their abilities in relation to the requirements for admission in advance.
b) Details of researches in the Graduate School can be seen at the last table of this guideline and the following website: http://www.sls.kyushu-u.ac.jp/
c) Before applying, you must contact your preferred supervising professor in our Graduate School.

4. Individual Pre-qualification Screening

Persons who intend to apply in accordance with qualifications for application (3) should submit all of the following documents to the Student Support Section, Graduate School of Systems Life Sciences, Kyushu University from March 1 (Fer) to March 11 (Fri), 2024.

(1) Documents to be submitted
0. Application for Recognition of Academic Requirements. (Form-5)
1. Application form for admission.(Form-1)
2. Curriculum vitae. (Form-2)
3. Collation card/Examination card. (Form-3)
4. Research Record. (Form-4)
5. Official Academic Transcript issued by the university from which you will graduate or have graduated most recently.
6. Graduation Certificate or Statement that confirms expected graduation.
7. Recommendation.
8. A copy of master's thesis or documents equivalent to master's thesis.
9. A copy of Certificate of Japanese ability (Only those who can submit).
10. Comprehensive English qualification test score certificate : Submit Official Score Certificate of TOEIC Listening & Reading test, Examinee Score Record of TOEFL-iBT, the Test Report of IELTS, or the certifying statement of results of Cambridge ESOL Examination (FCE, CAE or CPE). (Copy is accepted.).
11. Copy of the Photo/ID and Signature page of your passport

＊ Documents 5, 6, 7 and 8, must be described in Japanese or English. If they are in other language, you must attach Japanese or English translations and proof of official translations.

(2) Mailing address for application form and related documents
Student Support Section, Graduate School of Systems Life Sciences, Kyushu University

744 Motooka Nishi-ku Fukuoka 819-0395 JAPAN
TEL; +81-(0)92-802-4014　E-mail; rixgksien@jimu.kyushu-u.ac.jp

(3) Announcement of the Result of Individual Pre-qualification Screening

You will be informed the result of the evaluation by March 29 (Fri),2024. Successful applicants should pay the application fee (30,000 yen) and submit the certificate of payment to the Student Support Section, Graduate School of Systems Life Sciences.

5. Application Procedure

Applicants can submit applications such as documents specified below, to the Student Support Section, Graduate School of Systems Life Sciences, Kyushu University, addressed to the chairperson of the Division of their first choice, from April 8 (Mon) to April 19 (Fri),2024.

(1) Documents to be submitted

1. Application form for admission.(Form-1)
2. Curriculum vitae. (Form-2)
3. Collation card/Examination card. (Form-3)
4. Research Record. (Form-4)
5. Official Academic Transcript issued by the university from which you will graduate or have graduated most recently.
6. Graduation Certificate or Statement that confirms expected graduation.
7. Recommendation.
8. A copy of master's thesis or documents equivalent to master's thesis.
9. A copy of Certificate of Japanese ability (Only those who can submit).
10. Comprehensive English qualification test score certificate : Submit Official Score Certificate of TOEIC Listening & Reading test, Examinee Score Record of TOEFL-iBT, the Test Report of IELTS, or the certifying statement of results of Cambridge ESOL Examination (FCE, CAE or CPE). (Copy is accepted.)
11. Copy of the Photo/ID and Signature page of your passport
12. Certificate of the payment of Application fee (30,000 yen)
    (A copy of receipt for transfer of the application fee, or the printed "Result" page (if you pay through the internet)

＊Notes concerning documents

a) Take the TOEIC Listening & Reading Test, or, alternatively, either the TOEFL-iBT, IELTS test, Cambridge ESOL Examination (FCE, CAE or CPE) in advance.
Score certificates for the following tests will not be accepted:
Tests conducted for groups of examinees, including TOEIC Listening & Reading IP, College TOEIC, and TOEFL-ITP
TOEIC Speaking and Writing Tests, TOEIC Speaking Test, TOEIC LPI, TOEIC Bridge, and TOEIC Official Score Report

b) Documents cannot be replaced, nor can application fee be returned, after the application form is accepted.

c) Do not use erasable marking pens such as “Pilot Frixion Ball”.

d) Documents 5, 6 and 7, must be described in Japanese or English. If they are in other

language, you must attach Japanese or English translations and proof of official translations.

e) If you submit application documents 1 to 9 when applying for Individual Pre-qualification Screening, you do not need to resubmit.

f) MEXT (Ministry of Education, Culture, Sports, Science, and Technology) Scholarship Students are able to apply via documents that are submitted through MEXT instead of the prescribed documents, excluding the application form. Moreover, research students of ISEE can use documents they previously submitted to Student Support Section, Graduate School of Systems Life Sciences.

(2) Mailing address for application form and related documents

Student Support Section, Graduate School of Systems Life Sciences, Kyushu University
744 Motooka, Nishi-ku, Fukuoka 819-0395
TEL; +81-(0)92-802-4014 E-mail; rixgksien@jimu.kyushu-u.ac.jp

6. Application fee (※This is not required for applicants those who are MEXT (Ministry of Education, Culture, Sports, Science, and Technology) Scholarship Students).

Please choose the one type from three ways below. Application fee have to be paid from April 3 (Wed) to April 19 (Fri),2024.

(1) Payment by Telegraphic Transfer

a. Please fill your full name and code 3SL when you pay. A copy of receipt for the transfer should be attached with the necessary documents for application.

b. Please transfer in Japanese yen.

c. Please cover all the commission costs when you transfer.

Type of Transfer	Bank Transfer / Telegraphic / Wire Transfer
Payment Method	Advise and Pay (A/P)
Bank Service Charge	Borne by remitter
Application fee	¥30,000-
Purpose of Remittance	Application Fee
Recipient's Bank	SUMITOMO MITSUI BANKING CORPORATION
Branch Name	FUKUOKA BRANCH
Account Number A/C No.	7119240
Recipient's Name	Kyushu University
Bank Address	1-1-1 Hakataekimae, Hakata-ku, Fukuoka-shi, 812-0011, Japan
Swift Code	SMBCJPJT
Other Details	In the "Message to Payee, if any" section, write "3SL" before your name.

(2) Payment by Credit Cards

Payment can be made by credit card, Union Pay, or Alipay through online at https://e-shiharai.net/ (in Japanese) https://e-shiharai.net/english/. (in English)
For detailed information on how to pay the Application Fee online, please refer to "How to make the Payment for the Application Fee by Credit Card, Union Pay, and Alipay.".

(3) Payment at Convenience Stores (available only in Japan)

Payment can be made at Convenience Stores in Japan.
For detailed information on how to pay online or at convenience stores in Japan, please see the page labeled "コンビニエンスストア・クレジットカード・中国決済での入学検定料払込方法".

7. Examination Date and Venue

(1) Date: One day from May 13(Mon) to May 24 (Fri),2024.
(2) Venue: The details of the examination venue, or room, etc. will be sent to the applicants when the examination card is sent back.

＊ Applicants who will have not received an examination card may contact the Student Support Section by May 7 (Tue).

8. Examination Subjects

(1) English essay on specialized subjects and related topics
(2) Interview in English
(3) English test (based on the score indicated in the certificate of the applicant's comprehensive English qualification test result.)

9. Announcement of the Result of Screening

(1) Date: June 14 (Fri), 2024,10:00 am
(2) Venue: The result will be posted on the notice board at the Main Entrance, West Zone 1, second floor, Ito Campus, Kyushu University. The result will be informed to the applicants and shown in website at http://www.sls.kyushu-u.ac.jp/.

10. Date of Enrollment

October 1, 2024

11. Enrollment procedure

Successful applicants should complete the entrance procedure by the prescribed date after receiving the entrance procedure documents, which will be sent in the middle of August,2024.

12. Entrance fee and tuition fees　(※This is not required for applicants those who are MEXT (Ministry of Education, Culture, Sports, Science, and Technology) Scholarship Students.)

Entrance fee：282,000yen
Tuition fees：267,900yen［Annual amount 535,800yen］

13. Information Desk

Applicants can receive the application forms in MS word files if you make a contact via E-mail to the following address.

Student Support Section, Graduate School of Systems Life Sciences, Kyushu University
744 Motooka, Nishi-ku, Fukuoka 819-0395
TEL; +81-(0)92-802-4014　E-mail; rixgksien@jimu.kyushu-u.ac.jp

(様式１（国際）/ Form-1_ International Course _B)

九州大学大学院システム生命科学府 博士課程第３年次編入学入学願書
APPLICATION FORM FOR ADMISSION (as THIRD YEAR STUDENT at DOCTORAL COURSE)
THE GRADUATE SCHOOL OF SYSTEMS LIFE SCIENCES, KYUSHU UNIVERSITY

Year(年)_____ Month(月)____ Day(日)_____.

<table>
<tr><td>姓名(自国語)
Full Name in native language</td><td>Sur name, Given name, Middle name</td><td>※
受験番号
Examinee's number</td><td>※
３ＳＬ</td></tr>
<tr><td>姓名(ローマ字)
Name in Roman block capitals</td><td>Sur name, Given name, Middle name</td><td>国籍
Nationality</td><td></td></tr>
<tr><td>姓名(カタカナ(記載可能な者のみ))
Name in Japanese Katakana if you know it</td><td>Sur name, Given name, Middle name</td><td>性別
Gender</td><td>☐ Male(男)
☐ Female(女)</td></tr>
<tr><td>年齢/ Age</td><td></td><td rowspan="2">婚姻の別
Marital Status</td><td rowspan="2">☐ Single(未婚)
☐ Married(既婚)</td></tr>
<tr><td>誕生日
Date of birth</td><td>Year(年) / Month(月) / Day(日)</td></tr>
<tr><td>希望する教育グループ
The preferred Educational group</td><td colspan="3"></td></tr>
<tr><td>希望する指導教員
The preferred supervising Professor</td><td colspan="3"></td></tr>
<tr><td>研究題目
The title of proposed research</td><td colspan="3"></td></tr>
<tr><td rowspan="3">最終学歴
The latest academic background</td><td>University
(大学名)</td><td>Graduate school
(大学院名)</td><td>Department
(専攻名)</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>Year(年) / Month(月) / Day(日)</td><td colspan="2">☐completed(卒業)
☐will complete(卒業見込)</td></tr>
<tr><td>現住所
Present address</td><td colspan="3"></td></tr>
<tr><td>携帯番号
Mobile phone number</td><td colspan="3"></td></tr>
<tr><td>E-mail アドレス
E-mail address</td><td colspan="3"></td></tr>
<tr><td>Permanent address</td><td colspan="3"></td></tr>
</table>

1. Application should be typewritten or handwritten in Roman block capitals.（申請書は Word 等のワープロソフトで作成するか、楷書で記入すること。）
2. Do not use erasable marking pens (Pilot Frixion Ball etc.).（消去可能な筆記用具（フリクションペン等）を使用しないこと。）
3. Numbers should be in Arabic figures.（アラビア数字(算用数字)を使用すること）
4. Proper nouns should be written in full, and not be abbreviated.（固有名詞は省略しないこと）
5. Do not fill in the blank marked※.（※の欄は記入しない）
6. Applicants who are students of Kyushu University must fill in the student ID number to the right between parentheses.（九州大学に在籍している場合は、学生番号をカッコ内に記入すること） (student ID number(学生番号):_____)

(様式２(国際) / Form-2_ International Course _B)

CURRICULUM VITAE (履歴書)

Educational background (学歴):

		Names and Address of School (学校名及び所在地)	Officially required number of years of schooling (正規の修学年数)	Year and Month of Entrance and Completion (入学及び卒業年月)	Duration of Attendance (修学年数)	Diploma or Degree Awarded, Major Subject, Skipped Years/Levels (学位・資格・専攻科目・飛び級の状況)	Major Subject (専攻科目)
Primary Education (初等教育) Elementary School (小学校)		Name (学校名) Location (所在地)	yrs (年)	From (入学) To (卒業)	yrs (年) and mons (月)		
Secondary Education (中等教育) Secondary School (中高等学校)	Lower (中等学校)	Name (学校名) Location (所在地)	yrs (年)	From (入学) To (卒業)	yrs (年) and mons (月)		
	Upper (高等学校)	Name (学校名) Location (所在地)	yrs (年)	From (入学) To (卒業)	yrs (年) and mons (月)	※	
Tertiary Education (高等教育) Undergraduate Level (大学)		Name (学校名) Location (所在地)	yrs (年)	From (入学) To (卒業)	yrs (年) and mons (月)		
Graduate Level (大学院)		Name (学校名) Location (所在地)	yrs (年)	From (入学) To (卒業)	yrs (年) and mons (月)		
Total of the years of schooling mentioned above (以上を通算した全学校教育修学年数) *as of September 30,2024 (2024 年 9 月 30 日現在)			yrs (年)				

Note(留意事項):

1. Kindergarten education or nursery school education is excluded. (幼稚園・保育園教育は含まれない。)
2. Preparatory education for university admission is included in secondary education. (いわゆる「大学予備教育」は中等教育に含まれる。)
3. In the case that the applicant has passed the qualifying examination for admission to a university, indicate so in the blank marked ※. (「大学入学資格試験」に合格している場合には、その旨※欄に記入すること。)
4. Any school years or levels skipped should be indicated in the fourth column (Diploma or Degree Awarded, Major Subject, Skipped Years/Levels). (Example: Graduated high school in 2 years.) (いわゆる「飛び級」をしている場合には、その旨を該当する教育課程の「学位・資格・専攻科目・飛び級の状況」欄に記入すること。(例) 高校３年次を飛び級により短期卒業)
5. Calculate and write the total number of years studied based on duration as a student. (including extended a term leave or school vacations) (修学年数合計は在籍期間を算出し、記入すること。(長期休暇も含める))
6. You may use a separate piece of paper if the above space is insufficient. In such a case, please stipulate that the information is on a separate page. (上記に書ききれない場合は、別紙に記入することも可能。しかしその場合は、別紙に記入する旨を上記学歴欄に明記すること。)

Employment Record (職歴) : Begin with the most recent employment, if applicable.

Name and Address if Organization (勤務先及び所在地)	Period of Employment (勤務期間)	Position (役職名)	Type of Work (職務内容)

(様式３(国際) / Form-3_ International Course _B)

九州大学大学院システム生命科学府
The Graduate School of Systems Life Sciences, Kyushu University

照 合 票

COLLATION CARD

姓名(ローマ字) Name in Roman block capital			※ 受験番号 Examinee's number
姓名(カタカナ) Name in Japanese Katakana if you know it			※ ３ＳＬ
誕生日 Date of birth	Year(年) / Month(月) / Day(日)	性別 Gender	□ Male(男) □ Female(女)
希望する教育グループ The preferred Educational group			Paste your passport-size photograph taken within the past 6 months. Write your name and nationality in block letters on the back of the photo. (過去６ヶ月以内に撮影したパスポートサイズ(4cm×3cm)の上半身の写真を貼ること。写真の裏に氏名と国籍を記載すること。) (4cmX3cm)
希望する指導教員 The preferred supervising Professor			
最終学歴 The latest academic background			
大学名 University			
大学院名 Graduate school			
専攻名 Department			
	Year(年) / Month(月) / Day(日) □Completed / □will complete		

注意事項：※の欄は記入しないでください。
Note: Do not fill in the blank marked ※.

九州大学大学院システム生命科学府
The Graduate School of Systems Life Sciences, Kyushu University

受験票（第３年次編入学）

EXAMINATION CARD (as THIRD YEAR STUDENT)

※ 受験番号 Examinee's number	※ ３ＳＬ
希望する教育グループ The preferred Educational group	
希望する指導教員 The preferred supervising Professor	
姓名(ローマ字) Name in Roman block capital	
誕生日 Date of birth	Year(年) / Month(月) / Day(日)

注意事項：(1) ※の欄は記入しないでください。
(2) 試験時に受験票を持参すること。
(3) 受験票を忘れた場合は、受験できない場合があります。

Note: 1. Do not fill in the blank marked ※.
2. This card must be brought on examination day.
3. Those who don't have this card cannot take the examination.

(様式４(国際) / Form-4_ International Course _B)

RESEARCH RECORD (研究業績概要調書)

姓名(ローマ字) Name in Roman block capitals	Family name, Given name, Middle name	誕生日 Date of birth	Year(年) / Month(月) / Day(日)
姓名(カタカナ(記載可能な者のみ)) Name in Japanese Katakana if you know it	Family name, Given name, Middle name	年齢 Age	
		性別 Gender	☐ Male(男) ☐ Female(女)
現住所 Present address			
	Mobile phone number (携帯番号) :		
	E-mail address (E-mail アドレス) :		
現在の所属 Present status (university/company /organization, title)	Name (所属機関の住所)		
	Address (所属機関の住所)		
希望する教育グループ The preferred Educational group			

業績目録(研究論文、著書、学術論文 (受験者の学位論文含む) 、国際会議発表時の資料、特許、発明等 Academic achievements(published papers, books, thesis (including your graduation thesis), papers presented at an international conference, patents, inventions, etc.)	論文題目、巻数、ページ数及び発行年または発行された月日等 Title, Vol., Page, and Year of Journal, or date on which thesis was published. 国際会議のタイトル、開催年等 Title and Year of international conference etc.	全ての著者名 Name of all Authors

(様式４(国際) / Form-4_ International Course _B)

業績目録(研究論文、著書、学術論文（受験者の学位論文含む）、国際会議発表時の資料、特許、発明等 Academic achievements(published papers, books, thesis (including your graduation thesis), papers presented at an international conference, patents, inventions, etc.	論文題目、巻数、ページ数及び発行年または発行された月日等 Title, Vol., Page, and Year of Journal, or Date of Publication. --- 国際会議のタイトル、開催年等 Title and Year of international conference etc.	全ての著者名 Name of all Authors

注意事項：(1) 上記に記載した別刷り、国際会議のプロシーディング等の写しを添付すること。
(2) 記入欄が不足する場合は、別紙を添付することが可能です。

Note; (1) Attach reprints or copies of published papers, conference proceedings, etc..
(2) You may add similar forms when running short on this form.

(様式５（国際）/ Form-5_ International Course _B)

（出願資格(3)により出願する者のみ提出すること）
(Applicants who intend to apply in accordance with qualification (3) should submit.)

Year（年）,　Month（月）,　Day（日）

出願資格認定申請書

Application for Recognition of Academic Requirements

九州大学大学院システム生命科学府長　殿
To Dean
The Graduate School of Systems Life Sciences,
Kyushu University

（姓名（ローマ字））
Name in Roman block capitals

（姓名（カタカナ（記載可能な者のみ））
Name in Japanese Katakana (If you know)

（誕生日）
Date of Birth　Year（年）/ Month（月）/ Day（日）

（連絡先）
TEL:
E-mail:

このたび貴学府博士課程入学試験に出願するに先立ち、出願資格の事前審査を受けたく、関係書類を添えて申請いたします。

For an individual evaluation of academic requirements as an applicant to Doctoral Course of The Graduate School of Systems Life Sciences, Kyushu University, I hereby apply for the all the documents related.

（出願資格） Application Qualifications	(3)
（希望する研究分野） The preferred Educational group	
（希望する指導教員） The preferred supervising Professor	

KYUSHU UNIVERSITY

How to make the Payment for the Application Fee by Credit Card, Union Pay, and Alipay.

24 hours a day, 365 days a year, you can pay anytime! Easy, Convenient and Simple!

You can pay the Application Fee by using Credit Card, Union Pay, and Alipay.

VISA mastercard JCB AMERICAN EXPRESS 支付宝 Alipay.com UnionPay 银联

Online Transaction

Access

https://e-shiharai.net/english/

1. Top Page	Click "Examination Fee".
2. Terms of Use and Personal Information Management	Please read the Terms of use and Personal Information Management. Click "Agree" button located in the lower part of this page if you agree with these terms. Click "Not agree" button located in lower part of this page if you do not agree with these terms.
3. School Selection	Select "Kyushu University (Undergraduate Schools) " or "Kyushu University (Graduate Schools)."
4. School Information	Read the information carefully and click "Next".
5. Category Selection	Choose First to Fourth Selection and add to Basket.
6. Basket Contents	Check the contents and if it is OK, click "Next".
7. Basic Information	Input the applicant's basic information. Choose your credit card and click "Next".

Paying at Credit Card

Input Credit Card Number (15 or 16-digits) , Security Code and Expiration date.

↓

All of your application information is displayed. Check and Click "Confirm".

↓

Click "Print this page" button and print out "Result" page.

Paying at Union Pay, Alipay

Follow the onscreen instructions to complete the card payment.

↓

Please click the "Application Results" button in the upper part of this site (e-shiharai.net).

↓

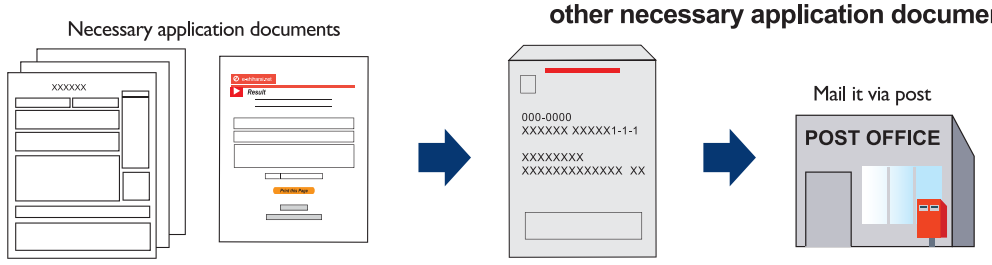
Please write down the "Receipt Number" given when you complete your application, and enter your "Payment Method", "Receipt Number" and "Birth Date". Please make sure your printer is ready.

↓

Please print out the "Payment Inquiry - Inquiry result" page.

Application

Enclose the printed "Result" page in an application envelope with other necessary application documents.



[NOTICE/FAQ]

- You can make a payment anytime, during the payment period mentioned in the application instructions.
  Please refer to the application instructions and complete payment in time.
- Please complete payment by 11:00 pm Japan time, on the last date of the payment period.
- Please note that refund is not possible once you have made a payment of Application fee.
- A fee is added to Examination fee. For further info, please visit our website.
- It is possible to use a card which carries a name different from that of the applicant. However, please make sure that the information on the basic information page is that of the applicant him/he-self.
- If you did not print out "Result" page, you can check it later on Application Result page. Please enter "Receipt Number" and "Birth Date" to redisplay.
- Please directly contact the credit card company if your card is not accepted.

For questions or problems not mentioned here, please contact:

E-Service Support Center Tel : +81-3-3267-6663 (24 hours everyday)

九州大学
コンビニエンスストア・クレジットカード・中国決済での入学検定料払込方法

1 Webで事前申込み

本学ＨＰからもアクセスできます！

画面の指示に従って必要事項を入力し、お支払いに必要な番号を取得。

https://e-shiharai.net/

※番号取得後に入力ミスに気づいた場合はその番号では支払いを行なわず、
もう一度入力し直して、新たな番号を取得してお支払いください。
支払い期限内に代金を支払わなかった入力情報は、自動的にキャンセルされます。

※クレジットカード・Alipay国際決済・銀聯ネットは決済完了後の修正・取消はできません。
申込みを確定する前に、内容をよくご確認ください。

※確定画面に表示される番号をメモしてください。➡

2 お支払い

クレジットカード Alipay・銀聯 でお支払い

VISA mastercard JCB AMERICAN EXPRESS 支付宝 Alipay.com UnionPay 银联

※お支払いされるカードの名義人は、受験生本人でなくても構いません。但し、「基本情報入力」画面では、必ず受験生本人の情報を入力してください。

基本情報入力画面で、
支払に利用するカードを選択

画面の指示に従い、
支払手続を行ってください。

お支払い完了です。
下記の手順に従って、申込内容照会結果を印刷してください。

コンビニエンスストアでお支払い

●入学検定料はATMでは振り込みできません。必ずレジでお支払いください。
●店頭端末機の画面デザイン等は、予告なく変更される場合があります。

セブン-イレブン

【払込票番号（13ケタ）】

●レジにて
「インターネット支払い」と店員に伝え、印刷した【払込票】を渡すか、【払込票番号】を伝えてお支払いください。

マルチコピー機は使用しません

お支払い後、必ず「入学検定料・選考料取扱明細書」(チケット)を受け取ってください。

LAWSON / MINISTOP

【お客様番号（11ケタ）】
【確認番号（4ケタ）】

Loppi へ

各種サービスメニュー

各種代金・インターネット受付(紫のボタン)

各種代金お支払い

マルチペイメントサービス

【お客様番号】【確認番号】を入力

FamilyMart

【お客様番号（11ケタ）】
【確認番号（4ケタ）】

Famiポート へ

代金支払い

各種代金お支払い

番号入力画面に進む

【お客様番号】【確認番号】を入力

店頭端末機より出力される「申込券」(受付票)を持って、30分以内にレジでお支払いください。

お支払い後、必ず「入学検定料・選考料　取扱明細書」を受け取ってください。

3 出　願

【クレジットカード・Alipay・銀聯でお支払いの場合】

支払完了後、E-支払いサイトの「申込内容照会」にアクセスし、受付完了時に通知された【受付番号】と【生年月日】を入力し、照会結果を印刷して出願書類に同封してください。

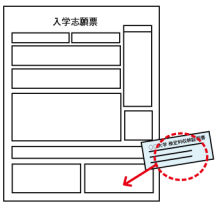
<注意>
スマートフォンでお申込みされた方は、プリンタのある環境でご利用ください。

※クレジットカードでお支払いされた場合、「取扱金融機関出納印」は不要です。

【コンビニエンスストアでお支払いの場合】

「入学検定料・選考料 取扱明細書」の「収納証明書」部分を切り取り、入学志願票の所定欄に貼る。

※「収納証明書」を糊付けする際には、糊本体の注意書きに「感熱・感圧紙などを変色させる場合があります」と記載されている糊はご使用にならないでください。
「収納証明書」が黒く変色する恐れがあります。



※コンビニでお支払いされた場合、「取扱金融機関出納印」は不要です。

⚠ 注意事項

●出願期間を要項等でご確認のうえ、締切に間に合うよう十分に余裕をもってお支払いください。

●支払最終日の『Webサイトでの申込み』は23:00まで、店頭端末機の操作は23:30までです。クレジットカードの場合、Webサイトでのお申込みと同時にお支払いが完了します。23:00までにお手続きしてください。

●「入学検定料払込」についてのお問い合わせは、コンビニ店頭ではお答えできません。詳しくはWebサイトをご確認ください。

●一度お支払いされた入学検定料は返金できません。

●入学検定料の他に事務手数料が別途かかります。詳しくはWebサイトをご確認ください。

●カード審査が通らなかった場合は、クレジットカード会社へ直接お問い合わせください。

●Alipay、銀聯でお支払いの方は、パソコンからお申込みください。
（携帯電話からはお支払いできません）

●取扱いコンビニ、支払方法は変更になる場合があります。変更された場合は、Webサイトにてご案内いたします。

教育研究内容一覧

専門分野	担当教員名	研究内容
生命情報科学	教授 鈴木 英之進 教授 伊良皆 啓治 教授 内田 誠一 教授 林 健司 教授 興 雄司 教授 ヨハン ローレンス 准教授 吉田 寛 准教授 岡本 剛 准教授 手老 篤史 准教授 ＊ 田代 康介	情報科学，統計科学の理論体系を駆使して，ゲノム解析ならびに生命の基本原理解析に関する教育研究を行うことによって，生命機能の解明とその医療応用を目指す。そのため，体系化された生命情報データベースを基にして，知識発見，学習機能，推論機能，センシング，モデリング，モデル化・シミュレーションのためのアルゴリズム開発手法とそのプログラミング技術，それらを統合した高速・高効率・高信頼で実行可能な統合計算機システムの構築と運用方法について教育研究する。
生命工学	教授 上平 正道 教授 片山 佳樹 教授 工藤 奨 教授 荒田 純平 教授 片倉 喜範 准教授 水本 博 准教授 岸村 顕広 准教授 森 健 准教授 岡部 弘高 准教授 沼田 倫征	動物培養細胞を利用した有用タンパク質等の生産理論の確立，抗老化・抗生活習慣病を目指した新規創薬・機能性食品の分子設計に関する教育研究を行う。また，細胞・生体組織の力学的・熱工学的挙動の解明や培養技術の開発，各種再生臓器に必要な生体親和性・生分解性に富む高分子材料ならびに生体用バイオセラミックス，複合材料の開発および人工臓器の開発のための教育研究を行う。さらに，分子レベルでの治療を可能とするナノテクノロジー技術，バイオイメージング，ナノ診断，光応用診断などの先端生体計測の開発と複雑系的手法を取り入れた生命システム解明に関する教育研究を行う。
生命医科学	教授 近藤 久雄 教授 須山 幹太 教授 ＊ 神田 大輔 教授 久保田 浩行 教授 馬場 健史 教授 大川 恭行 教授 落合 博 教授 稲葉 謙次 教授 長﨑 正朗 准教授 馬場 崇 准教授 柴田 弘紀 准教授 嶋田 睦 准教授 和泉 自泰 准教授 原田 哲仁	ヒトのゲノム情報から見た，生物学的多様性の解析，生体維持機構の解析，多因子性疾患・難治性疾患の病因・病態解析，治療・予防法の開発等を行うために，ヒト生物学に関する膨大なデータと医学的知識を統合し，ゲノム科学を基礎に据えた情報科学，工学，生物資源科学との有機的な連携を図ることによって，疾患感受性や正常形質などのヒトの個体差に関わる重要問題を解明するための教育研究を行う。
生物科学	教授 齋藤 大介 教授 田村 茂彦 教授 池ノ内 順一 教授 石原 健 教授 高橋 達郎 教授 立田 晴記 教授 濱村 奈津子 教授 松尾 直毅 教授 佐竹 暁子 教授 太田 訓正 教授 手島 康介 准教授 寺本 孝行 准教授 祢宜 淳太郎 准教授 藤原 学 准教授 仁田坂 英二 准教授 伊藤 太一 准教授 細川 貴弘 准教授 佐々木江理子 准教授 早川 敏之 准教授 新垣 誠司 講師 熱田 勇士 講師 林 良樹 講師 中條 信成 講師 山脇 兆史 講師 松沢 健司 講師 楠見 健介	高等生物の基本的な生命現象を解明するために，動物及び植物の基本構造単位である真核細胞について，ゲノム遺伝子の発現制御，タンパク質の生合成・構造・機能制御，細胞内顆粒の動的存在状態と制御，細胞としての統合，細胞間の相互作用等について教育研究する。さらに，高次生命現象としての発生，分化，代謝，神経システムの働き，遺伝子から見た行動，学習，外部環境への適応等について縦断的な教育研究を行う。 動物の環境からの情報受容と応答，植物の光などの環境情報の受容と応答，個体の繁殖・社会生態等にみられるさまざまな適応戦略，海洋などの群集を対象とした群集構造の成立と存続，集団遺伝学的手法を用いた遺伝子レベルでの進化や多様性維持機構，さらにはこのような複雑な生命現象の数理生物学的解析などについて，分子・細胞・個体・集団の各レベルを統合した教育と研究指導を行う。これらの教育研究により，動植物の環境への応答メカニズム，生態学的手法に基づいた生物と環境との相互作用，進化的視点に基づいた生物多様性維持機構などの先端的研究に貢献できる人材を養成する。

＊は２０２４年３月末日定年退職予定

	教育グループ	教 員 名	研究キーワード
生命情報科学	生命情報発見学	教　授・鈴木　英之進	データマイニング，機械学習，発見ロボット https://www.i.kyushu-u.ac.jp/~suzuki/suzuki-j.html
		准教授・吉田　寛	多変数多項式，多項式生命モデル/Polynomial-life model, 動的恒常性維持,再生場の理論
	生命情報処理学	教　授・伊良皆　啓治	脳機能イメージング，脳情報処理，脳機能計測，生体情報計測，ブレインコンピュータインターフェイス，生体医工学 https://bie.inf.kyushu-u.ac.jp
		准教授・岡本　剛	匂いの脳科学研究，快適性の脳科学的評価，ニューロフィードバック技術，焚き火の脳科学研究 https://www.artsci.kyushu-u.ac.jp/~okamoto/
	生命情報数理学	教　授・内田　誠一	バイオイメージインフォマティクス，画像情報学, パターン認識，機械学習，実データ解析 https://human.ait.kyushu-u.ac.jp/
		准教授・手老　篤史	数理モデル，行動制御，認識，単細胞，研究者学
	生命情報電子工学	教　授・林　　健司	匂いイメージング，有機電子デバイス, ナノ構造分子素子センサ https://o.ed.kyushu-u.ac.jp/
	生命情報電子工学	教　授・興　　雄司	バイオ光センシング，レーザー，光機能材料，分光分析計測 https://www.laserlab.ed.kyushu-u.ac.jp/
	生命情報解析学	准教授・田代　康介	遺伝子発現制御，ネットワーク解析, エピジュネテクス制御，細胞分化，幹細胞 https://www.agr.kyushu-u.ac.jp/lab/mogt/index.html
	認知神経科学	教　授・ﾖﾊﾝ ﾛｰﾚﾝｽ	意思決定，認知科学，生命倫理，視覚的認知，行動分析 https://dubitopress.blogspot.jp/

	教育グループ	教 員 名	研究キーワード
生命工学	生命プロセス工学	教　授・上平　正道	医用生体工学，組織工学，遺伝子工学，ウイルス工学， トランスジェニック動物 https://www.chem-eng.kyushu-u.ac.jp/lab3/index.html
		准教授・水本　博	ハイブリッド型人工肝臓，再生医療，幹細胞，細胞組織体， 動物細胞培養 https://www.chem-eng.kyushu-u.ac.jp/lab6/sls/
	機能組織化学	教　授・片山　佳樹	細胞内情報伝達，薬物送達システム，バイオチップ， 生体・医用材料，生体計測，バイオイメージング https://sites.google.com/view/katayamalab
		准教授・岸村　顕広	ソフトマテリアル，薬物送達システム，超分子化学， ナノ生理学，濃縮物質系化学，ナノリアクター https://sites.google.com/view/katayamalab
		准教授・森　健	ソフトマテリアル，薬物送達システム，生体・医用材料， 細胞内情報伝達，免疫治療，再生医療 https://sites.google.com/view/katayamalab
	生命物理工学	准教授・岡部　弘高	バイオフォトン，活性酸素，光応用生体計測，ソフトマター アクチュエータ，バイオミメティックス，生物物理 https://www.okabe.ap.kyushu-u.ac.jp/index-j.html
	生体機能工学	教　授・工藤　奨	バイオメカニクス，バイオトランスポート， バイオマテリアル，細胞力学 https://www.bfe.mech.kyushu-u.ac.jp/
	先端医療デバイス	教　授・荒田　純平	機械工学，ロボット工学，メカトロニクス， 医療ロボット，遠隔操作ロボット https://amd.mech.kyushu-u.ac.jp/
	細胞制御工学	教　授・片倉　喜範	アンチエイジング食品，抗老化，食品機能，動物細胞工学 https://www.agr.kyushu-u.ac.jp/lab/crt/
	構造分子生物学	准教授・沼田　倫征	CRISPR-Cas系，非コードRNA， トキシン-アンチトキシン系，DNAの複製と修復 http://www.agr.kyushu-u.ac.jp/lab/seibutsukagaku/

	教育グループ	教 員 名	研究キーワード
生命医科学	細胞工学	教　授・近藤　久雄	細胞内小器官（オルガネラ）の形成と維持，オルガネラの細胞周期変化，細胞内膜融合，小胞体とゴルジ体，オルガネラの試験管内再構成系 https://www.cellbiology.med.kyushu-u.ac.jp/Kondo-Lab.html
	性差生物学	准教授・馬場　　崇	核内受容体による代謝制御，雌雄生殖腺の発生，クロマチン構造の性差 https://www.med.kyushu-u.ac.jp/seisaseibutu
	情報生物学	教　授・須山　幹太	バイオインフォマティクス，情報生物学，遺伝子発現制御，がんゲノム，疾患ゲノム，エピゲノム，分子進化 https://www.bioreg.kyushu-u.ac.jp/labo/bioinfo/
	ゲノム医科学	准教授・柴田　弘紀	人類遺伝学，集団遺伝学，進化医学，ゲノム多様性，精神・神経疾患 https://www.gen.kyushu-u.ac.jp/~byouin/
	構造生命科学	教　授・神田　大輔	構造生物学，Ｘ線結晶解析法，核磁気共鳴法，クライオ電子顕微鏡，タンパク質，酵素反応機構，分子認識，ゆるい相互作用，シグナル伝達，タンパク質輸送，糖鎖転移反応，ＤＮＡ複製 https://www.bioreg.kyushu-u.ac.jp/vsb/index.html
		准教授・嶋田　睦	構造生物学，X線結晶構造解析，エンドサイトーシス，細胞骨格，シグナル伝達 https://www.bioreg.kyushu-u.ac.jp/vsb/index.html
	統合オミクス	教　授・久保田　浩行	統合オミクス，システム生物学，数理モデル，計算機シミュレーション，ホメオスタシス，シグナル伝達，代謝 https://www.bioreg.kyushu-u.ac.jp/labo/omics/
		准教授・宇田　新介	トランスオミクス解析，システム生物学，統計的機械学習，情報理論 https://www.bioreg.kyushu-u.ac.jp/labo/omics/
	メタボロミクス	教　授・馬場　健史	メタボロミクス，メタボローム，代謝，分析化学，疾患解析，毒性解析，食品機能解析 https://www.bioreg.kyushu-u.ac.jp/labo/metabolomics/
		准教授・和泉　自泰	メタボロミクス https://www.bioreg.kyushu-u.ac.jp/labo/metabolomics/
	トランスクリプトミクス	教　授・大川　恭行	エピゲノム，エピジェネティクス，転写，遺伝子発現制御，細胞分化，トランスクリプトミクス，クロマチン，ゲノム，バイオインフォマティクス，骨格筋分化 https://tx.bioreg.kyushu-u.ac.jp/
		准教授・原田　哲仁	エピゲノム，エピジェネティクス，クロマチン構造解析，細胞分化，トランスクリプトミクス https://tx.bioreg.kyushu-u.ac.jp/
	遺伝子発現動態学	教　授・落合　博	転写，遺伝子，高次ゲノム構造，多能性幹細胞 https://www.bioreg.kyushu-u.ac.jp/labo/ged/
	トランススケール構造生命科学	教　授・稲葉　謙次	クライオ電子顕微鏡，タンパク質品質管理，レドックス，カルシウム，亜鉛，細胞恒常性維持 http://www2.tagen.tohoku.ac.jp/lab/inaba/html/
	バイオメディカル情報解析分野	教　授・長﨑　正朗	メディカルインフォマティクス、空間オミクス情報解析、大規模ゲノムコホート解析、ヒトゲノム情報解析、ヒトオミクス情報解析、システム生物学、長鎖型シークエンス解析 大規模情報解析 https://nagasakilab.csml.org/

	教育グループ	教 員 名	研究キーワード
生物科学	動物発生生物学	教　授・齋藤　大介	発生生物学，始原生殖細胞，生殖工学，鳥類，細胞移動 https://www.biology.kyushu-u.ac.jp/~animaldevelopment/
		講　師・熱田　勇士	四肢発生，リプログラミング，3次元培養，胸骨発生 https://www.biology.kyushu-u.ac.jp/~animaldevelopment/
		講　師・林　　良樹	発生生物学、生殖系列、幹細胞、エピゲノム、細胞内代謝 https://www.biology.kyushu-u.ac.jp/~animaldevelopment
	細胞機能学	准教授・寺本　孝行	線虫*C. elegans*，神経ネットワーク，蛍光イメージング， カルシウムイオン，マグネシウムイオン https://www.biology.kyushu-u.ac.jp/~funccell/
		講　師・中條　信成	発生生物学，アフリカツメガエル，細胞周期 https://www.biology.kyushu-u.ac.jp/~funccell/
		講　師・山脇　兆史	昆虫，カマキリ，運動制御，神経行動学，神経回路 https://www.biology.kyushu-u.ac.jp/~funccell/
	植物分子生理学	准教授・祢宜　淳太郎	順遺伝学，気孔，陰イオンチャネル，転写因子，葉緑体 https://www.biology.kyushu-u.ac.jp/~plant/
	分子細胞生物学	教　授・田村　茂彦	ペルオキシソーム欠損症，タンパク質複合体，病因遺伝子， オルガネラ恒常性，プロテインキネシス https://www.biology.kyushu-u.ac.jp/~molcellbiol/
	脂質細胞生物学	教　授・池ノ内　順一	上皮細胞，細胞接着装置，細胞極性，細胞膜構造， 細胞骨格，人工膜 https://www.biology.kyushu-u.ac.jp/~taisha/
		講　師・松沢　健司	細胞接着，集団細胞運動，細胞間コミュニケーション， シグナル伝達 https://www.biology.kyushu-u.ac.jp/~taisha/
	分子遺伝学	教　授・石原　健	線虫*C. elegans*，行動遺伝学，情報処理の分子メカニズム， 嗅覚と行動可塑性，体内環境による行動制御 https://www.biology.kyushu-u.ac.jp/~bunsiide/
		准教授・藤原　学	行動，神経可塑性，感覚回路，遺伝学， カルシウムイメージング，光遺伝学，線虫 https://www.biology.kyushu-u.ac.jp/~bunsiide/
	染色体機能学	教　授・高橋　達郎	DNA修復，クロマチン，ミスマッチ修復，染色体接着， 相同組み換え，染色体複製，ツメガエル https://www.biology.kyushu-u.ac.jp/~chromosome/
	植物多様性ゲノム学	准教授・仁田坂　英二	アサガオ，形態形成，トランスポゾン，ナショナルバイオリソースプロジェクト，系統保存，遺伝学，変異体 https://www.biology.kyushu-u.ac.jp/~plantgenomics/
		講　師・楠見　健介	イネ Oryza sativa, 植物生理, 環境応答, 光合成, 葉緑体, 炭素・窒素バランス https://www.biology.kyushu-u.ac.jp/~plantgenomics/

	教育グループ	教 員 名	研究キーワード
生物科学	時間生物学	准教授・伊藤　太一	時間生物学，概日リズム，時計遺伝子，体内時計，睡眠 https://www.artsci.kyushu-u.ac.jp/~chronobiology/
	生態科学	教　授・立田　晴記	進化生態学，生物測定学，生物多様性， 野生生物の保全管理，種分化，系統地理，行動 https://www.biology.kyushu-u.ac.jp/~ecology/lab/
		教　授・濱村　奈津子	微生物生態学，微生物地球科学，微生物多様性進化， バイオレメディエーション，微生物ヒ素代謝， メタゲノミクス https://www.biology.kyushu-u.ac.jp/~microecol/
		准教授・細川　貴弘	進化生物学、行動生態学、昆虫学、微生物学、共生 https://www.biology.kyushu-u.ac.jp/~ecology/lab/
	行動神経科学	教　授・松尾　直毅	マウス，記憶・学習，神経回路，シナプス可塑性， 遺伝子工学，行動解析，神経活動イメージング https://biology.kyushu-u.ac.jp/neuroscience/
	数理生物学	教　授・佐竹　暁子	生態，環境，進化，数理，ゲノム https://www.biology.kyushu-u.ac.jp/~satake/
		准教授・佐々木　江理子	量的遺伝学，ゲノム多様性，エピゲノム，環境，適応進化， モデル植物 https://bio-math10.biology.kyushu-u.ac.jp/member/sasaki.html
	幹細胞生物学	教　授・太田　訓正	幹細胞，ニッチ，多能性，リボソーム，Tsukushi，Akhirin https://kyushu-stemcellbiology.com/ja/
	進化遺伝学	教　授・手島　康介	集団遺伝，集団ゲノム，分子進化，ゲノム多様性，集団史， 適応進化，バイオインフォマティクス，シミュレーション https://www.biology.kyushu-u.ac.jp/~kteshima/
		准教授・早川　敏之	人類進化，ヒト化の分子基盤，糖鎖，霊長類，精神疾患， 進化医学 https://www.biology.kyushu-u.ac.jp/~kteshima/
	海洋生物学	准教授・新垣　誠司	生態学，群集，多様性，沿岸生態系，魚類，潮間帯，サンゴ http://ambl-ku.jp/

Outline of each division

Division	Staff	Research field
Bioinformatics	Prof. Einoshin Suzuki Prof. Keiji Iramina Prof. Seiichi Uchida Prof. Kenshi Hayashi Prof. Yuji Oki Prof. Johan Lauwereyns Asso. Prof. Hiroshi Yoshida Asso. Prof Tsuyoshi Okamoto Asso. Prof. Atsushi Tero Asso. Prof. Kosuke Tashiro(*)	Genome informatics is an interdisciplinary research field of bioscience and information science that was introduced during the genome project. In order to master genome science and its applications to the medical field, not only are ordinary bioscience subjects necessary, but also informational subjects from basic to advanced levels. This research field focuses on education and research that enable students to analyze subjects from genome to the basic principles of life on a basis of the theory of informatics. For this purpose, our course provides graduates with cutting-edge knowledge about measurement theory, mathematical science, statistics, basic informatics, database, algorithms, machine learning, cognitive neuroscience, bioinformatics and their applications to bioscience and medicine.
Life Engineering	Prof. Masamichi Kamihira Prof. Yoshiki Katayama Prof. Susumu Kudo Prof. Junpei Arata Prof. Yoshinori Katakura Asso. Prof. Hiroshi Mizumoto Asso. Prof. Akihiro Kishimura Asso. Prof Takeshi Mori Asso. Prof. Hirotaka Okabe Asso. Prof. Tomoyuki.Numata	Here we aim to train future leaders who specialize in the diverse fields of life engineering, with a combined background of engineering and agriculture. The emphasis is on biotechnology and biomedical engineering, though there exists in fact a variety of applied fields where design and industrialization can be approached via the development of life sciences. We focus particularly on: (a) the development of biotechnology for the purpose of production; (b) the development of biotechnology, where the biomedical engineer integrates biological, chemical, and physical findings about the organization and internal organs of living bodies; (c) the development of biological macromolecules and biomaterials targeting bio-compatibility, biodegradability, and/or biological absorption; (d) the development of bio-imaging techniques and nano micro machine techniques; (e) the study of biomacromolecules.
Medical Life Sciences	Prof. Hisao Kondo Prof. Mikita Suyama Prof. Daisuke Kohda(*) Prof. Hiroyuki Kubota Prof. Takeshi Banba Prof. Yasuyuki Ohkawa Prof. Hiroshi Ochiai Prof . Kenji Inaba Prof . Masao Nagasaki Asso. Prof. Takashi Baba Asso. Prof. Hiroki Shibata Asso. Prof. Atsushi Shimada Asso. Prof. Shinsuke Uda Asso. Prof. Yoshihiro Izumi Asso. Prof. Akihito Harada	We provide comprehensive educational opportunities to students for the diverse field of medical genome sciences including molecular medicine, molecular biology, genetics and population genetics, structural biology, bioinformatics, and bioethics. We also provide the students the opportunities of joining in the cutting-edge researches, such as 1) Analysis of human variation viewed from genomic diversity; 2) Analysis of homeostatic mechanisms based on genome information; 3) Structural and functional analysis of proteins and their application for medicine; 4) Genetic analysis of multifactorial disorders and intractable disorders; 5) Development of new methods in data analyses to expand the medical knowledge.
Biological Sciences	Prof. Daisuke Saito Prof. Shigehiko Tamura Prof. Junichi Ikenouchi Prof. Takeshi Ishihara Prof. Tatsuro Takahashi Prof. Haruki Tatsuta Prof. Natsuko Hamamura Prof. Naoki Matsuo Prof. Akiko Satake Prof. Kunimasa Ohta Prof. Kosuke Teshima Asso. Prof. Takayuki Teramoto Asso. Prof. Juntaro Negi Asso. Prof. Manabi Fujiwara Asso. Prof. Eiji Nitasaka Asso. Prof. Taichi Itoh Asso. Prof. Takahiro Hosokawa Asso. Prof. Eriko Sasaki Asso. Prof .Toshiyuki Hayakawa Asso. Prof. Seiji Arakaki Lecturer. Yuji Atsuta Lecturer. Yoshiki Hayashi Lecturer. Nobushige Nakajo Lecturer. Yoshihumi Yamawaki Lecturer. Kenji Matsuzawa Lecturer. Kensuke Kusumi	The eukaryotic cell is a core structural unit for the constitution of bodies of higher organisms, and utilizes highly sophisticated membrane structures to perform various life functions. The division of Molecular Life Sciences conducts education and research of integrated biology of animals and plants from basic structure of genes to high-order function of bodies, focusing on the following aspects: mechanisms of chromosomal DNA replication to maintain genome structures; molecular dynamics of high–ordered structures from protein complexes to organelles managing cellular functions; signaling mechanisms through cell-cell communication for cell proliferation, cell formations and regulation of the metabolism; and mechanistic features of functions in individual bodies including development and differentiation, formation of neural networks and immune systems. We also provide basic lectures to students of other divisions aiming to improve their understanding of molecular biology. The lectures include basic structures and functions of the cell, developmental mechanisms of individual bodies from fertilization to highly organized cell society, and coordination of nerve systems to manage high-ordered biological activities. Recent developments in ecology and evolutionary biology provide us better tools to investigate interactions among individuals and the coexistence of species within ecosystems. Similar advances in other branches of biology have likewise led to improved knowledge and technique. At the level of individuals and the cell developments in physiology have refined our methodologies of analyzing biological phenomena. Comparable advances in molecular biology have enhanced our knowledge of genomes and clarified details of the mechanisms underlying physiological processes. The current requirement is to integrate all such developments to investigate interactions between organisms and their environment and to deepen our understanding of the mechanisms underlying various biological attributes found at the levels of individuals and populations. With this in mind, our study areas include 1) perceptions of, and responses to, environmental stimuli in animals, 2) reception of, and responses to, light in plants, 3) adaptive strategies in reproduction and social structure in organisms, 4) establishment and maintenance of community structure in marine organisms, 5) molecular evolution and the maintenance of genetic diversity, and 6) mathematical aspects of complex biological phenomena. In such a focus we aim to integrate biological knowledge from the molecule, cell, individual and population levels. By participating in our division, students can learn how to conduct cutting-edge research on mechanisms of animal and plant responses to environmental stimuli, ecological interactions between organisms and environments, and the generation and maintenance of biodiversity.

(*) ; will be retired on March 31, 2024

Keywords for each educational group

	Educational group	Staff	Keywords
Bioinformatics	Data Mining and Bioinformatics	Professor Einoshin Suzuki	Data Mining, Machine Learning, Discovery Robot https://www.i.kyushu-u.ac.jp/~suzuki/slabhomee.html
		Associate Professor Hiroshi Yoshida	Turnover, Bio-inspired model, Regeneration, Polynomial Life
	Neuroimaging and Neuroinformatics	Professor Keiji Iramina	Neuroimaging, Measurement of Brain Function, Biomedical Engineering, Brain Computer Interface (BCI), Magnetencephalogram (MEG), Electroencephalogram (EEG), Near-Infrared Spectroscopy (NIRS), Transcranial Magnetic Stimulation (TMS) https://bie.inf.kyushu-u.ac.jp/index_en.html
		Associate Professor Tsuyoshi Okamoto	Brain Science on Human Olfaction, Brain scientific evaluation on nvironmental comfortableness, Neurofeedback study to improve human brain functions, Brain science on bonfire https://www.artsci.kyushu-u.ac.jp/~okamoto/
	Biomathematical Science	Professor Seiichi Uchida	Bioimage-informatics, Image-informatics, Pattern recognition, Machine learning, Data analytics https://human.ait.kyushu-u.ac.jp/
		Associate Professor Atsushi Tero	mathematical modeling, behavior control, cognitive science, singlecell, math for investigator
	Bioelectronics	Professor Kenshi Hayashi	Organic electronic material and devices, Odor sensor, Odor informatics https://o.ed.kyushu-u.ac.jp/
		Professor Yuji Oki	Bio-optical sensing, Lasers, Photo-functional materials, Spectroscopic analysis and measurement https://www.laserlab.ed.kyushu-u.ac.jp/
	Molecular Gene Technics	Associate Professor Kosuke Tashiro	transcriptional regulation, cell differentiation, animal development, environmental microorganism, transcriptome https://www.agr.kyushu-u.ac.jp/lab/mogt/index.html
	Cognitive Neuroscience	Professor Johan Lauwereyns	Decision Making, Cognitive Science, Bioethics, Visual Cognition, Behavioral Analysis https://dubitopress.blogspot.jp/

Keywords for each educational group

	Educational group	Staff	Keywords
Life Engineering	Life Process Engineering	Professor Masamichi Kamihira	Biomedical Engineering, Tissue Engineering, Genetic Engineering, Virus Engineering, Transgenic Animals https://www.chem-eng.kyushu-u.ac.jp/lab3/index.html
		Associate Professor Hiroshi Mizumoto	hybrid artificial liver, regenerative medicine, stem cell, multicellular organoid, animal cell culture https://www.chem-eng.kyushu-u.ac.jp/lab6/sls/
	Biotechnologies for Therapy, Diagnosis and Drug Discovery	Professor Yoshiki Katayama	Intracellular signal transduction, drug delivery system, gene delivery system, biochip, biomaterials, bioanalysis https://sites.google.com/view/katayamalab
		Associate Professor Akihiro Kishimura	Soft Materials, Supramolecular Chemistry, Drug Delivery System,Nano-reactors,Nano-physiology https://sites.google.com/view/katayamalab
		Associate Professor Takeshi Mori	Biomaterials, Drug Delivery System, Regenerative Medicine https://sites.google.com/view/katayamalab
	Life Engineering and Physics	Associate Professor Hirotaka Okabe	Biophoton, Reactive Oxygen, Optical Somatometry, Soft Matter Actuator, Biomimetics, Biophysics https://www.okabe.ap.kyushu-u.ac.jp/index.html
	Biofunctional Engineering	Professor Susumu Kudo	Biomechanics, Biotransport, Biomaterials, Cellular Mechanics https://www.bfe.mech.kyushu-u.ac.jp/pub.html
	Advanced Medical Device	Professor Jumpei Arata	Mechanical Engineering, Robotics, Mechatronics, Medical Robotics, Tele-Robotics https://amd.mech.kyushu-u.ac.jp/
	Cellular Regulation Technology	Professor Yoshinori Katakura	anti-aging foods, anti-aging, food functions, animal cell technology https://www.agr.kyushu-u.ac.jp/lab/crt/
	Structural and Molecular Biology	Associate Professor Tomoyuki Numata	CRISPR-Cas system, Noncoding RNA, Noncoding RNA Toxin-antitoxin system, DNA replication and repair https://www.agr.kyushu-u.ac.jp/lab/seibutsukagaku/

Keywords for each educational group

	Educational group	Staff	Keywords
Medical Life Sciences	Molecular Cell Biology	Professor Hisao Kondo	Organelles, Cell cycle, membrane fusion, ER, Golgi https://www.cellbiology.med.kyushu-u.ac.jp/Kondo-Lab.html
	Biology of Sex Differences	Associate Professor Takashi Baba	Regulation of metabolism by nuclear receptors, Gonad development, Sex differences in chromatin structure https://www.med.kyushu-u.ac.jp/seisaseibutu
	Computational Biology	Professor Mikita Suyama	Bioinformatics, Computational Biology, Gene regulation, Cancer genomics, Disease genomics, Epigenome, Molecular evolution https://www.bioreg.kyushu-u.ac.jp/labo/bioinfo/
	Medical Genomics	Associate Professor Hiroki Shibata	Human genetics, Population genetics, Genome diversity, Molecular evolution, Psychiatric disorder, Neurological disorder https://www.gen.kyushu-u.ac.jp/~byouin/
	Structural Life Science	Professor Daisuke Kohda	Structural biology, X-ray crystallography, Nuclear Magnetic Resonance (NMR), Cryoelectron Microscopy, Molecular recognition mechanism, Weak protein-ligand interactions with wide specificities, Mitochondrial import system, N-glycosylation system, NADPH oxidase system https://www.bioreg.kyushu-u.ac.jp/vsb/index.html
		Associate Professor Atsushi Shimada	Structural biology, X-ray crystallography, Endocytosis, Cytoskeleton, Signal transduction https://www.bioreg.kyushu-u.ac.jp/vsb/index.html
	Integrated Omics	Professor Hiroyuki Kubota	Trans-omic, Integrated-Omics, Systems Biology, Mathematical Simulation, Computer Simulation, Homeostasis, Signal Transduction, Mebolism https://www.bioreg.kyushu-u.ac.jp/labo/omics/
		Associate Professor Shinsuke Uda	Trans-omics analysis, Systems biology, Statistical machine learning, Information theory https://www.bioreg.kyushu-u.ac.jp/labo/omics/
	Metabolomics	Professor Takeshi Banba	Metabolomics, Metabolome, Metabolism, Analytical chemistry, Disease analysis, Toxicology, Food functional analysis https://www.bioreg.kyushu-u.ac.jp/labo/metabolomics/
		Associate Professor Yoshihiro Izumi	Metabolomics, Mass spectrometry, Metabolism, Single-cell analysis https://www.bioreg.kyushu-u.ac.jp/labo/metabolomics/
	Transcriptomics	Professor Yasuyuki Ohkawa	Transcriptomics, Transcription, Gene Regulation, Epigenome, Chromatin, Deep sequencing technology, Cell differentiation, skeletal muscle differentiation, Bioinformatics https://tx.bioreg.kyushu-u.ac.jp/
		Associate Professor Akihito Harada	Epigenome, Epigenetics, Chromatin strcture analysis, Cell differentiation, Transcriptomics https://tx.bioreg.kyushu-u.ac.jp/
	Gene Expression Dynamics	Professor Hiroshi Ochiai	Transcription, Gene, Higher genome structure, Pluripotent stem cell https://www.bioreg.kyushu-u.ac.jp/labo/ged/
	Trans-scale structural life sciences	Professor Kenji Inaba	Cryo-EM, Protein quality control, Redox, Calcium, Zinc, Cellular homeostasis https://www2.tagen.tohoku.ac.jp/lab/inaba/html/
	Biomedical Information Analysis	Professor Masao Nagasaki	Medical Informatics, Spatial Omics Information Analysis, Large-Scale Genomic Cohort Analysis, Human Genome Information Analysis, Human Omics Information Analysis, Systems Biology, Longitudinal Sequence Analysis, Large-scale information analysis https://nagasakilab.csml.org/

Keywords for each educational group

	Educational group	Staff	Keywords
Biological Sciences	Animal developmental biology and Biology and Reproductive Engineering	Professor Daisuke Saito	Animal developmental biology, Reproductive Engineering, Primordial germ cell, Avian, cell migration https://www.biology.kyushu-u.ac.jp/~animaldevelopment/
		Lecturer Yuji Atsuta	Limb development, Direct reprogramming, 3D-culture, Sternum development https://www.biology.kyushu-u.ac.jp/~animaldevelopment/
		Lecturer Yoshiki Hayashi	Developmental Biology, Germline, Stem Cell, Epigenome, Cellular Metabolism https://www.biology.kyushu-u.ac.jp/~animaldevelopment
	Cell Function	Associate Professor Takayuki Teramoto	C. elegans, Neuronal Network, Fluorescence Imaging, Calcium Ion, Magnesium Ion https://www.biology.kyushu-u.ac.jp/~funccell/
		Lecturer Nobushige Nakajo	Xenopus, Cell cycle, Morphogenesis https://www.biology.kyushu-u.ac.jp/~funccell/
		Lecturer Yoshifumi Yamawaki	Insect, Praying mantis, Motor control, Neuroethology, Neural circuit https://www.biology.kyushu-u.ac.jp/~funccell/
	Plant Molecular Biology	Associate Professor Juntaro Negi	Arabidopsis thaliana, Stomta, Anion channel, Transcripton Factor, Chroloplast https://www.biology.kyushu-u.ac.jp/~plant/
	Molecular Cell Biology	Professor Shigehiko Tamura	Organelle biogeneis, Protein kinesis, Peroxisome biogenesis disorder and pathogenic gene, Peroxisome assembly factors, peroxins https://kyushu-u-mol-cell-biol.com/member/
	Membrane Cell Biology	Professor Junichi Ikenouchi	Epithelial Polarity, Cell Adhesion, Lipids, Epithelial-mesenchymal transition https://www.biology.kyushu-u.ac.jp/~taisha/
		Lecturer Kenji Matsuzawa	Cell adhesion, collective cell migration, cell communication, signal transduction https://www.biology.kyushu-u.ac.jp/~taisha/
	Molecular Genetics	Professor Takeshi Ishihara	C. elegans, Behavioral Genetics, Live Imaging, Brain, Neural Network, Molecular Mechanisms, Informational Processing, Olfaction, Behavioral Plasticity, Behavioral Regulation by Internal Environments https://www.biology.kyushu-u.ac.jp/~bunsiide/
		Associate Professor Manabi Fujiwara	behavior, neuronal plasticity, sensory circuit, genetics, Ca^{2+} imaging, optogenetics, C. elegans https://www.biology.kyushu-u.ac.jp/~bunsiide/
	Chromosome Biology	Professor Tatsuro Takahashi	DNA repair, chromatin, mismatch repair, chromosome cohesion, homologous recombination, chromosome replication, *Xenopus laevis* https://www.biology.kyushu-u.ac.jp/~chromosome/
	Plant Genomics	Associate Professor Eiji Nitasaka	Plant morphogenesis, Trasnsposable element, Bio-resources, Ipomoea nil, Morning glory https://www.biology.kyushu-u.ac.jp/~plantgenomics/
		Lecturer Kensuke Kusumi	Oryza sativa, Rice, Plant physiology, Environmental Response, Chlroplast Biogenesis, Photosynthesis, Carbon/Nitrogen balance https://www.biology.kyushu-u.ac.jp/~plantgenomics/

Keywords for each educational group

	Educational group	Staff	Keywords
Biological Sciences	Chronobiology	Associate Professor Taichi Ito	chronobiology, probabilistic izumu, timepiece genome, internal timepiece, sleep
	Ecology	Professor Haruki Tatsuta	evolutionary ecology, biometrics, biodiversity, conservation and management, speciation, phylogeography, behavior https://www.biology.kyushu-u.ac.jp/~ecology/lab/
		Professor Natsuko Hamamura	Microbial Ecology, Geomicrobiology, Bioremediation, Arsenic biotransformation, Metagenomics, Microbial diversity and evolution https://www.biology.kyushu-u.ac.jp/~microecol/english/index.html
		Associate Professor Takahiro Hosokawa	Evolutionary biology, Behavioral ecology, Entomology, Microbiology, Symbiosis https://www.biology.kyushu-u.ac.jp/~ecology/lab/
	Behavioral Neuroscience	Professor Naoki Matsuo	mice, learning & memory, neural circuit, synaptic plasticity, genetics, behavioral analysis, neuronal activity imaging https://www.biology. kyushu-u.ac.jp/~neuroscience/
	Theoretical Biology	Professor Akiko Satake	ecology, environmental science, evolution, mathematical biology, ecogenomics https://www.biology.kyushu-u.ac.jp/~satake/
		Associate Professor Eriko Sasaki	Quantitative genetice, Genetic environment interaction, Epigenome, Adaptive evolution, Model plants https://bio-math10.biology.kyushu-u.ac.jp/member/sasaki.html
	Stem Cell Biology	Professor Kunimasa Ohta	Stem cell, niche, pluripotency, ribosome, Tsukushi, Akhirin https://kyushu-stemcellbiology.com/ja/
	Evolutionary Genetics	Professor Kosuke Teshima	Population genetics, Population genomics, Molecular evolution, Genetic and genomic variation, Population history, Adaptation, Bioinformatics, Simulation https://www.biology.kyushu-u.ac.jp/~kteshima/
		Associate Professor Toshiyuki Hayakawa	Molecular evolution, Human evolution, Sialic acid, Glycobiology, Evolutionary medicine, Mental disorder https://www.biology.kyushu-u.ac.jp/~kteshima/
	Marine and Fresh water Biology	Associate Professor Seiji Arakaki	ecology, community, biodiversity, coastal ecosystems, fish, intertidal, coral http://ambl-ku.jp/