

**Summer Research Fellowship (SRF) &  
Overseas Research Fellowship (ORF)  
Schemes 2022-23**



**SHKU**  
**Science**



# RUNDOWN

1. Objectives

2. Requirements and application procedures

3. Sharing by former participants

4. Q & A



# Objectives





# Objectives



- Enable students to attempt specific research topics that cater to their individual interest and ability
- Encourage students to take initiative and play a more active role in their own learning
- Provide a platform for students to integrate theory and practice, and to understand limitations of their current knowledge
- Engage students in research of their major science discipline

An abstract graphic design featuring organic, flowing shapes in shades of teal, orange, and black. A central orange circle contains the white number '02'. To its left, a larger orange shape is connected to a black shape. Below the central circle, there are several smaller shapes, including a white one with a blue center and a teal one with a black center. The background is a light teal color with scattered small circles and lines.

02

# Requirements and Application Procedures

# SRF vs ORF

	SRF	ORF	
Location	Within the Science Departments/School or the School of Biomedical Sciences	Overseas institutions	Virtually with overseas institutions
Subsidy	A stipend of HK\$16,000*	A stipend of HK\$16,000* plus airfare # (on a reimbursement basis; 80% of the actual airfare and capped at HK\$12,000 in maximum)	A stipend of HK\$16,000*

**Remarks:**

*\* Successful applicants are NOT allowed to receive sponsorship from other funding sources for the same research project.  
# Due to COVID-19 pandemic, there are uncertainties about border closures, flight restrictions and mandatory quarantine requirements in different countries. ORF applicants may change to conduct summer research remotely with their overseas supervisor upon faculty's approval. In such cases, applicants will not be entitled for the airfare reimbursement.*

## SRF vs ORF (cont.)

	SRF	ORF
Requirements	<ol style="list-style-type: none"><li>1. Complete the research project (duration is at least 2 months) under the supervision of research supervisors (both internal and external supervisors are required for ORF Scheme)</li><li>2. Submit a research synopsis of 500 – 1,000 words on your project, a short passage of programme sharing, and a poster in September 2023</li><li>3. Participate in Poster Presentation in October 2023</li><li>4. Attend Research Colloquium in October/November 2023; five to six best poster presenters will give an oral presentation in this Research Colloquium</li></ol>	



# Eligibility



- Non-final year BSc, BSc&MRes, BSc&LLB, BSc(ActuarSc) and BAsc(AppliedAI) students
- Recommendation of a prospective supervisor
- To better prepare students for conducting research, students who participated or will participate in SRF/ORF Scheme must **take and pass SCNC3111 Frontiers of science honours seminar course**. Course description can be found at [https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course\\_code=SCNC3111](https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course_code=SCNC3111). Students who do not take the course will NOT (i) receive the stipend and (ii) have the participation of fellowship recorded in their academic transcripts.





## Eligibility (cont.)



- Given the limited quotas and to allow more students to have this valuable research learning experience, **past participants of SRF/ORF Scheme CANNOT apply for the same fellowship scheme which they had previously participated.**

*(Exception: Students pre-accepted to the 'Young Scientist Scheme (YSS)' have been guaranteed of a place to participate in the SRF Scheme in the summer after the completion of their first year of study, and have further opportunities to participate in other undergraduate research schemes (such as another SRF or ORF) in subsequent years subject to satisfactory academic performance.)*

# Application Procedures

## 1. Search for your interest area

### Examples of topics in past years:

- Territorial analysis for ratemaking
- Investigation of serine sensitivity in *Salmonella enterica*
- Trend prediction of global temperature changed by analyzing satellite data
- Exotic option pricing under regime-switching model
- Crystallization of X-ray structural elucidation of a disease-causing small peptide
- The laser cooling and Bose – Einstein condensation in ultra cold atoms
- Molecular cloning of claudin-11 gene in *Oryzias melastigma*

### More information about:

1. **Previous SRF/ORF participants' research topics and supervisors –**  
[https://www.scifac.hku.hk/f/page/4811/18378/SRF%20List\\_11162022.pdf](https://www.scifac.hku.hk/f/page/4811/18378/SRF%20List_11162022.pdf) or  
[https://www.scifac.hku.hk/f/page/4811/16858/ORF%20List\\_11012022.pdf](https://www.scifac.hku.hk/f/page/4811/16858/ORF%20List_11012022.pdf)
2. **Research opportunities from Science School/Departments –**  
<https://www.scifac.hku.hk/f/page/4811/5634/3.1.16.2.2%20Research%20Opportunities.pdf>



# Application Procedures (cont.)

2. Consult the teacher(s) in your interest field about your research plan
  - approach the teacher(s) directly
  - through your home Departments/Schools or teachers
  - read their research publications beforehand

3. Fill in the online application form:

<https://webapp.science.hku.hk/intranet/servlet/OnlineFormUG?frmId=SF401>





# Application Procedures (cont.)



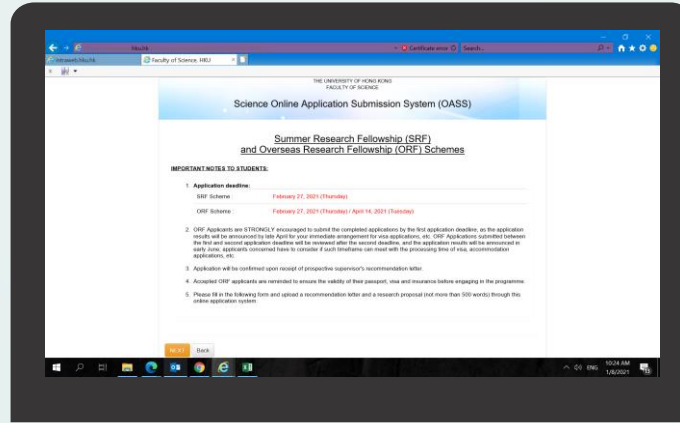
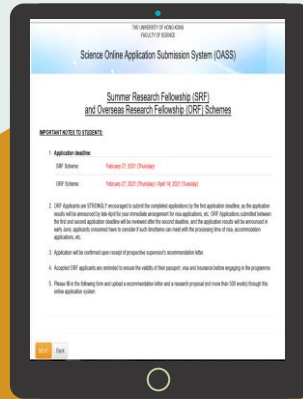
4. Submit your **application form** together with the following documents through the **online application system on or before**  
**February 24, 2023 (Friday) (for both SRF and ORF Schemes) /**  
**April 12, 2023 (Wednesday) (for ORF Scheme only):**
  - a **recommendation letter** from your prospective supervisor; and
  - a **research proposal** (not more than 500 words on ONE A4-size paper)

**IMPORTANT NOTE:**

*ORF Scheme applicants are STRONGLY encouraged to submit the completed applications by the first application deadline, i.e. February 24, 2023 (Friday), as the application results will be announced by late April 2023 for your immediate arrangement for visa applications, etc. Applications submitted between February 25, 2023 and April 12, 2023 will be reviewed after the second application deadline, i.e. April 12, 2023, and the application results will be announced in late May or early June 2023; applicants concerned have to consider if such timeframe can meet with the processing time of visa, accommodation applications, etc*

# Online Application System for SRF & ORF

You may submit your application by using the following devices:






# Recommended Contents of Research Proposal

- Title
- Abstract
- Introduction (Background information)
- Research Design
- Significance
- References






## In the proposal, we want to know ...

- What is your specific research question(s)?
  - How your research relates to other(s) published work?
  - How you will answer those questions or plug the knowledge gap(s)?
  - How are you prepared to complete the project in time?
  - How you plan to spend the fellowship?
- 



# Selection Criteria

- Quality of the research proposal
  - Recommendation of the prospective supervisor
  - Interview performance
  - Academic merits
- 





# Recognition



- Recorded in the academic transcript
- Certificate of completion
- Awards:
  - Best Poster Presenters (for **Poster Presentation**)
    - *5 to 6 winners*
  - Best Colloquium Presenter (for **Research Colloquium**)
    - *1 winner*



# University Research Fellowship Programme • (URFP)

- Students who have excellent academic performance (in the 90<sup>th</sup> percentile of top students in a study programme or attain a CGPA of 3.50 or above) and plan to conduct final year project or directed studies after having a summer research internship can consider to apply for the URFP.
- The URFP is a **prestigious programme organized at University level** aimed at enhancing students' learning experience and nurturing the next generation of researchers/scholars.
- Students enrolled in the URFP are required to undertake a research study (final year project or directed studies).
- Summer research internship may form an essential part of such a research study. Students may receive a research internship award of up to HK\$40,000 for research internship overseas or up to HK\$15,000 for research internship in Hong Kong or the Mainland at normal times.
- **Application details and deadline: TO BE ANNOUNCED IN DUE COURSE**

## Remarks:

Students who apply for the URFP need not apply for the SRF/ORF. They will be considered for the SRF/ORF if their URFP applications are not successful.

# Sharing by Former Participants



Lee Sze Yuen

Former SRF Participant

03

Billy Poon

Former ORF Participant



# Lee Sze Yuen

BSc Year 3 Student

Major in Molecular Biology &  
Biotechnology (Intensive);  
Minor in French

SRF Participant in 2021-22



# Billy Poon

BSc Year 4 Student

Major in Chemistry (Intensive);  
Minor in Biochemistry

ORF Participant in 2021-22





# Virtual Opportunities



- Virtual ORF
- Virtual Internship (especially with local, mainland and overseas industry)
- Virtual project with overseas students

**Be proactive, positive and seek help from teachers**

# Q & A Session

An abstract graphic design featuring organic, rounded shapes in shades of olive green, mustard yellow, and teal. A central green shape contains a black circle with the white number '04'. Other shapes include a white teardrop with a green circle, a large yellow teardrop with a teal circle, and a smaller yellow teardrop with a white circle. The background is a light blue gradient with scattered dots in white, black, and teal.

04



# Thank You

Special thanks to [slidesgo](https://slidesgo.com) for providing  
free PowerPoint template



<https://slidesgo.com>