

# Open call for LSST Pls and JAs

# Background

- in-kind contribution package includes 50 Subaru nights over 13 years of LSST operation
- in return, Japanese PIs have access to LSST data
- 20 PIs for the Subaru time, ~50 PIs in total including other contributions (data server, software, contribution to commissioning, ...)
- for each PI, 4 junior PIs (students, postdocs) can be associated
- since the in-kind contribution includes Subaru nights, (at least) PIs from the Subaru nights should be selected by an open call within the Subaru community

# Open call in FY2023

## Rubin / LSST data right holder (PI) selection - FY2023

November 10th, 2023 (Subaru SAC)

### Background

- [Rubin Observatory / LSST](#) is a wide field optical imaging survey led by the USA with the dedicated telescope located at Chile, science pipeline software and science platform as a data analysis environment. LSST is scheduled to start its survey operation from 2025. A few months of science commissioning observations are also planned just before that.
- NAOJ has offered in-kind contributions to LSST operation, including 50 Subaru nights over 13 years, software development and computing resources. In return, a certain number of Japanese PIs can be assigned. For each PI, 4 junior associates (JA; students, postdocs, and technical staff) can be assigned. Some of PIs available to Japan will be assigned to the persons who will directly work for the in-kind contribution but the rest will be selected by an open call within the Japanese community. While there is still some uncertainty on how many PIs can be selected, we expect that about 20-25 PIs will be selected by this call.
- This document describes the procedure on how to select open-call Japanese PIs and JAs.

### Who can apply?

- All persons who are primarily affiliated with Japanese institutions [Note#1] and have direct access to Subaru. Applicants are required to execute their own scientific research using LSST data and also contribute to the Japanese community, for example, as a mentor of Rubin/LSST data through workshops or promote Japanese activity by providing derived data products (see below). Annual report will be required.
  - Note#1: For faculty and postdocs, "Primary affiliated" means their employers are paying at least 50% of their salary for employment.
- In this call, proposals for both PIs and JAs are solicited. Faculty members (assistant prof., associate prof., professor, etc.) are supposed to apply for PIs. Postdocs and students are supposed to apply for JAs, and can propose independent research projects that are not necessarily associated with research projects of any PIs or PI applicants. Individual applicants can judge whether they apply for PI or JA. Submitting or participating in multiple proposals is not allowed as individuals will be selected as data right holders. JAs to be selected by accepted PIs need not submit proposals, nor need they participate in the PI's proposals.

### What need to be submitted:

- Cover page (web form)
  - Title of the proposal, name / institution / contact address of applicant, PI/JA, scientific category, abstract
- Research plan using LSST data
- Plan for contribution to the Japanese community including delivery of derived data products and target lists (see <http://ls.st/RDO-013>)
- Format: Free format, the maximum 2 pages (PDF file) including both the research plan and the plan for contribution to the Japanese community. For a group proposal submission, the maximum 3 pages.
- Language: Either Japanese or English is accepted.
- Submission method: [NINS Open Use System \(NOUS\)](#)

# Some more details on FY2023 call

- announced on 2023/11/10, deadline 2023/12/9
- proposal evaluation by the Selection committee (7 members) between 2024 Jan and Feb
- result reported to SAC in 2024 Apr, then notified to proposers
- **16 PIs** and **4 (independent) JAs** selected
  - number of JAs that each PI can assign is increased from 2 to 3
- all the PI slots available at that time (20-25 PIs) were not filled

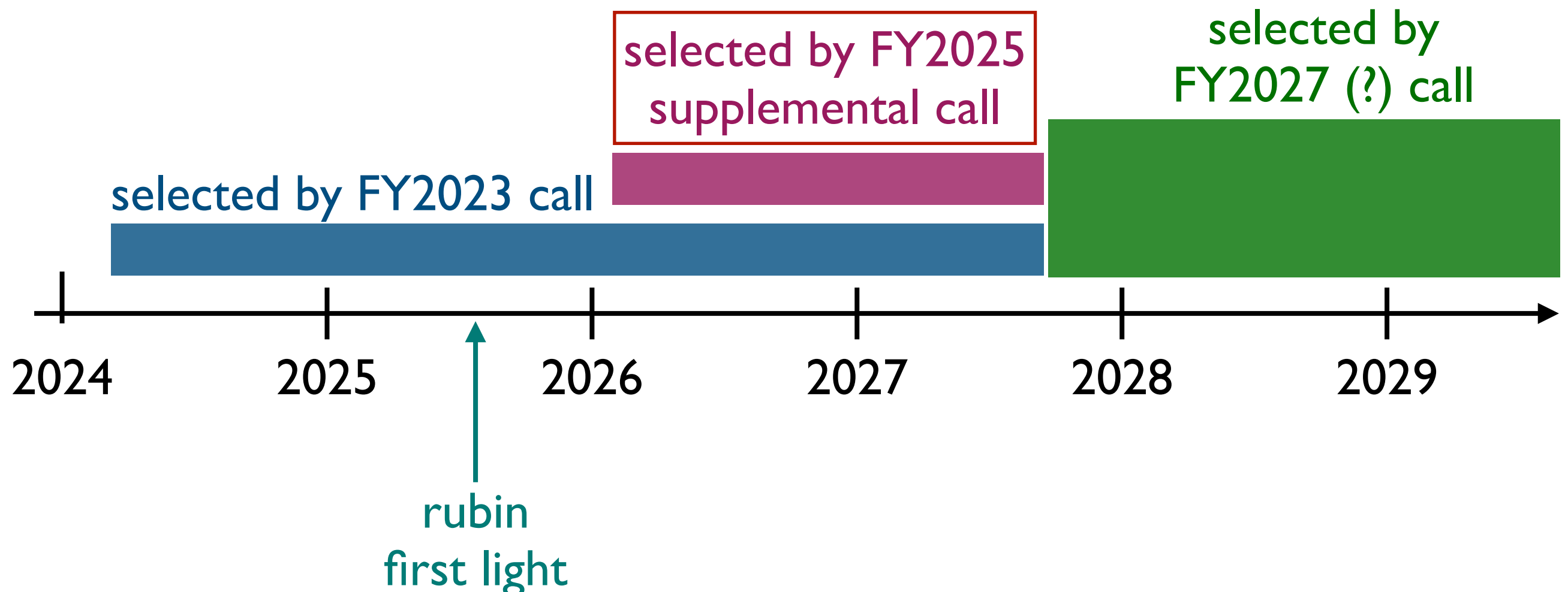
# Current JPG members

- full list available on the public webpage
- includes those selected from open call and in-kind contributors

|         |       |                            |                  |    |                     |               |  |
|---------|-------|----------------------------|------------------|----|---------------------|---------------|--|
| JAP-JPG | Japan | <b>Abe, Katsuya</b>        | Chiba            | JA | Oguri, Masamune     | 1 of 208 JAs  | <i>Gravitational lensing</i>                           |
| JAP-JPG | Japan | <b>Fudamoto, Yoshinobu</b> | Chiba            | JA | Oguri, Masamune     | 2 of 208 JAs  | <i>Galaxies</i>  |
| JAP-JPG | Japan | <b>Oguri, Masamune</b>     | Chiba            | PI |                     | 1 of 52 Pls   | <i>Gravitational lensing</i>                           |
| JAP-JPG | Japan | <b>Osato, Ken</b>          | Chiba            | JA | Oguri, Masamune     | 3 of 208 JAs  | <i>Cosmology</i>                                       |
| JAP-JPG | Japan | <b>Morokuma, Tomoki</b>    | Chitech          | PI |                     | 2 of 52 Pls   | <i>AGN</i>   |
| JAP-JPG | Japan | <b>Matsuoka, Yoshiki</b>   | Ehime            | PI |                     | 3 of 52 Pls   | <i>AGN</i>   |
| JAP-JPG | Japan | <b>Tang, Ji-Jia</b>        | Ehime            | JA | Matsuoka, Yoshiki   | 4 of 208 JAs  | <i>AGN</i>   |
| JAP-JPG | Japan | <b>Nishizawa, Atsushi</b>  | Gifu Shotoku     | PI |                     | 4 of 52 Pls   | <i>Cosmology, photometric redshift</i>                 |
| JAP-JPG | Japan | <b>Ogami, Itsuki</b>       | GUAS             | JA | Komiyama, Yutaka    | 5 of 208 JAs  | <i>Stars, Milky Way</i>                                |
| JAP-JPG | Japan | <b>Sato, Kyosuke</b>       | GUAS             | JA | Chiba, Masashi      | 6 of 208 JAs  | <i>Stars, Milky Way</i>                                |
| JAP-JPG | Japan | <b>Sato, Masato</b>        | GUAS             | JA | Tominaga, Nozomu    | 7 of 208 JAs  | <i>Transients</i>                                      |
| JAP-JPG | Japan | <b>Komiyama, Yutaka</b>    | Hosei            | PI |                     | 5 of 52 Pls   | <i>Stars, Milky Way</i>                                |
| JAP-JPG | Japan | <b>Toshikawa, Jun</b>      | Hyogo Prefecture | JA | Kashikawa, Nobunari | 8 of 208 JAs  | <i>Galaxies</i>  |
| JAP-JPG | Japan | <b>Liang, Yongming</b>     | ICRR             | JA | Shimakawa, Rhythm   | 9 of 208 JAs  | <i>Galaxies</i>  |
| JAP-JPG | Japan | <b>Eberhardt, Andrew</b>   | IPMU             | JA | Ferreira, Elisa     | 10 of 208 JAs | <i>Dark Matter</i>                                     |
| JAP-JPG | Japan | <b>Onoue, Masafusa</b>     | IPMU             | JA | Matsuoka, Yoshiki   | 11 of 208 JAs | <i>AGN</i>   |
| JAP-JPG | Japan | <b>Ikenaga, Toshinori</b>  | JAXA             | JA | Ootsubo, Takafumi   | 12 of 208 JAs | <i>Solar System</i>                                    |
| JAP-JPG | Japan | <b>Ferreira, Elisa</b>     | Kavli IPMU       | PI |                     | 6 of 52 Pls   | <i>Dark Matter, Dark Energy, Cosmology</i>             |
| JAP-JPG | Japan | <b>Lee, Khee-Gan</b>       | Kavli IPMU       | PI |                     | 7 of 52 Pls   | <i>Large scale structure, cosmology</i>                |
| JAP-JPG | Japan | <b>Liu, Jia</b>            | Kavli IPMU       | PI |                     | 8 of 52 Pls   | <i>neutrino mass, dark energy, fundamental physics</i> |
| JAP-JPG | Japan | <b>Nan, Yue</b>            | Kavli IPMU       | JA | Takada, Masahiro    | 13 of 208 JAs | <i>Cosmology, DM, DE, neutrino mass</i>                |
| JAP-JPG | Japan | <b>Silverman, John</b>     | Kavli IPMU       | PI |                     | 9 of 52 Pls   | <i>Galaxies and their supermassive black holes</i>     |
| JAP-JPG | Japan | <b>Takada, Masahiro</b>    | Kavli IPMU       | PI |                     | 10 of 52 Pls  | <i>Cosmology, DM, DE, neutrino mass</i>                |
| JAP-JPG | Japan | <b>Terasawa, Ryo</b>       | Kavli IPMU       | JA | Takada, Masahiro    | 14 of 208 JAs | <i>Cosmology, DM, DE, neutrino mass</i>                |
| JAP-JPG | Japan | <b>Yasuda, Naoki</b>       | Kavli IPMU       | PI |                     | 11 of 52 Pls  | <i>Transient, Science Pipeline</i>                     |
| JAP-JPG | Japan | <b>Shinnaka, Yoshiharu</b> | Kyoto Sangyo     | JA | Ootsubo, Takafumi   | 15 of 208 JAs | <i>Solar System</i>                                    |

# Supplemental call in FY2025

- announced on 2025/10/24 [tennet:2982]
- deadline 2025/12/2 (noon JST)
- more than 10 PIs and 20 JAs can be selected
- term until 2027 Sep





# Open call webpage

## Rubin / LSST data right holder (PI) selection - FY2025 Supplemental Call

October 24th, 2025 (Subaru SAC)

### Background

- [Rubin Observatory / LSST](#) is a wide field optical imaging survey led by the USA with the dedicated telescope located at Chile, science pipeline software and science platform as a data analysis environment. LSST is scheduled to start its survey operation from 2025. A few months of science commissioning observations are also planned just before that.
- NAOJ has offered in-kind contributions to LSST operation, including 50 Subaru nights over 13 years, software development and computing resources. In return, a certain number of Japanese PIs can be assigned. For each PI, 4 junior associates (JA; students, postdocs, and technical staff) can be assigned. Some of PIs available to Japan will be assigned to the persons who will directly work for the in-kind contribution but the rest will be selected by an open call within the Japanese community. In 2023 November, we issued a call for proposals to select PIs and JAs, and selected 16 PIs and 4 JAs. There are open slots of more than 10 PIs and 20 JAs, which will be filled by this supplemental call.
- This document describes the procedure on how to select open-call Japanese PIs and JAs.

### Who can apply?

- All persons who are primarily affiliated with Japanese institutions [Note#1] and have direct access to Subaru. Applicants are required to execute their own scientific research using LSST data and also contribute to the Japanese community, for example, as a mentor of Rubin/LSST data through workshops or promote Japanese activity by providing derived data products (see below). Annual report will be required.
  - Note#1: For faculty and postdocs, "Primary affiliated" means their employers are paying at least 50% of their salary for employment.
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### What need to be submitted:

- Cover page (web form)
  - Title of the proposal, name / institution / contact address of applicant, PI/JA, scientific category, abstract
- Research plan using LSST data
- Plan for contribution to the Japanese community including delivery of derived data products and target lists (see <http://ls.st/RDO-013>)
- Format: Free format, the maximum 2 pages (PDF file) including both the research plan and the plan for contribution to the Japanese community. For a group proposal submission, the maximum 3 pages.
- Language: Either Japanese or English is accepted.
- Submission method: [NINS Open Use System \(NOUS\)](#)
- **Deadline: 2025 December 2 (Tue) 12:00 (noon) [JST]**
- Group proposal submission
  - A group of persons with a similar scientific interest may want to submit a single proposal as one group (for PIs only). This kind of proposal will also be reviewed. The justification of the requested number of PIs and roles of individual PIs should be included. The approved number of PIs can be smaller than the requested number of PIs. In that case, each group will determine the individuals who become PIs.

# Some clarifications: open call for PIs

- each PI can assign 3 JAs, and in the proposal no name needed for those PI-assigned JAs
- group proposal submission (multiple PIs submit a single proposal) possible for PIs, but the clear justification and the role of each PI should be clearly mentioned in such a group proposal
- faculty members (assistant prof., associate prof., professor, etc.) are supposed to apply for PIs



# Some clarifications: open call for JAs

- only “independent” JAs who can independent research projects are subject to this call
- postdocs and students (who want to conduct independent research) are supposed to apply for JAs

