

EXPRESSION OF INTEREST FOR PLANT GENOME SEQUENCING SERVICES

Institute of Life Sciences, Bhubaneswar is involved in research and development efforts in the area of plant and environment biotechnology. One of the focus areas of research is to generate genomic resources for underutilized crop species of importance to food, agriculture and nutrition security.

Institute of Life Sciences invites interested sequencing service providers to participate in the expression of interest for providing sequencing services. The sequencing services should include an end-to-end service from obtaining samples from ILS, construction of libraries, sequencing and bioinformatics analysis. The sequencing services should include best of technology, processing based on inputs from ILS scientists, use of appropriate bioinformatics pipeline and analysis in partnership with ILS scientists.

Interested service providers are required to send their letter of interest giving the following details

1. Name and Location of the service provider:
2. Sequencing platform available at the service providers location:
3. Access to additional facilities:
4. Number of trained human resources available
 - a. Quality control
 - b. Sequencing
 - c. Bioinformatic analysis
5. Sequencing service provided so far (list the institutions and species for which sequencing have been done and time period taken for sequencing)
6. Any publication those have come out based on the services provided.
7. Please provide an indicative flow chart of typical sequencing (based on available platforms with the service provider) for a plant species with around 500mb genome size and timeline of completion of the project.

Based on the expression of interest, a committee of experts will assess the suitability and acceptability of protocols proposed based on which shortlisted service providers will be called for an interaction.

Interested service providers may send in the required details by e-mail to director@ils.res.in latest by 10th August 2020.