

Atrandi Biosciences Flux System Single Microbiome Pilot Study

Initiated by ICBR Gene Expression & Genotyping

Application Deadline: September 30, 2026

Submit completed application and proposal to:

Steve Modore: smadore@ufl.edu

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Section 1: Application Information

- Principal Investigator (PI): _____
- Department/Center: _____
- Institution: _____
- Email: _____ Phone: _____
- Co-Investigator(s) (if applicable): _____

Section 2: Project Information

- **Project Title:** _____
- **Research Area**
 - ☐ Microbiology
 - ☐ Antibiotic Resistance
 - ☐ Environmental Microbiology
 - ☐ Host-Microbe Interactions
 - ☐ Microbial Ecology
 - ☐ Synthetic Biology
 - ☐ Other: _____

Section 3: Research Purpose and Significance

Please provide **One-page research proposal** of a brief description of the scientific question, research objectives, and significance of the proposed study, expected outcomes, future impact, and follow up plan (Please attached a word or pdf file).

Section 4: Sample Information

- ☐ Bacterial culture
- ☐ Mixed microbial community
- ☐ Environmental sample
- ☐ Clinical sample
- ☐ Other: _____

Section 5: Experimental Design

Please select the pilot study option requested:

1. **Option A:** Four samples (~2 500 cells each) suitable for absolute-abundance analysis and strain-level screening.
 - Average sequencing depth of 500 million reads
 - Additional 500 million reads paid by awarder

2. **Option B:** Two samples (~5,000 cells each) for niche profiling or localized discovery
 - Average sequencing depth of 500 million reads
 - Additional 500 million reads paid by awarder
3. **Option C:** One sample (~10,000 cells) for rare variant detection and macro-community mapping
 - Average sequencing depth of 500 million reads
 - Additional 500 million reads paid by awarder

Section 6: Sample Submission Timeline

- **Estimated Date Samples Will Be Ready:**
 - **Desired Completion Date:**
 - **Is the timeline critical for a grant or publication?**
 - ☐ Yes
 - ☐ No
- If yes, please explain:

Section 7: Follow-Up Study Plans

- **How many additional samples are anticipated to submit following the pilot study?**
 - ☐ 0
 - ☐ 1-5
 - ☐ 6-10
 - ☐ 11-20
 - ☐ >20
- **Expected timeframe for follow-up submissions**
 - ☐ Within 3 months
 - ☐ Within 6 months
 - ☐ Within 12 months
 - ☐ More than 12 months

Section 8: Applicant Acknowledgment

I understand that:

- Library construction for up to 10,000 cells will be provided by ICBR Gene Expression & Genotyping at no charge under this pilot program.
- Sequencing will be performed by ICBR NextGen at no charge for 500 million reads.
- Researchers are responsible for bacterial lysis optimization.
- All applicants will receive a 15% discount on Atrandi Biosciences reagents.
- Awardees may be asked to provide feedback, data highlights, and/or a short project summary for program assessment purposes.

Principal Investigator Signature: _____

Date: _____