Empowering Research Through Specialized Training in Microscopy, Flow Cytometry, and Genomics

This presentation highlights the benefits of our core facility training programs in microscopy, flow cytometry, and genomics for biomedical research.

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Enhancing Technical Competence & Core Facility Utilization



Advancements

Cutting-edge technologies in microscopy, flow cytometry, and genomics have transformed biomedical research.

Challenges

These powerful tools often require specialized expertise, presenting learning curves for researchers.

Solution

Our core facility bridges the knowledge gap with customized training programs.

Goal

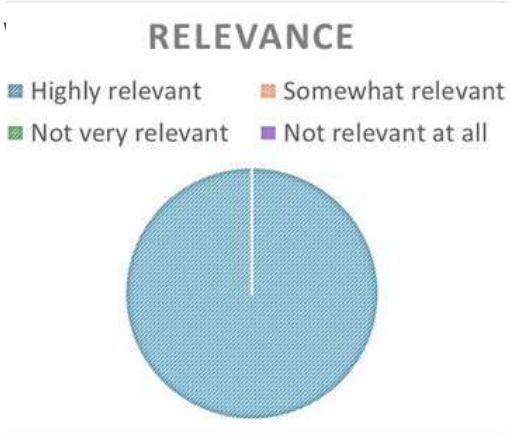
We equip researchers with the skills to confidently operate instruments and analyze data.

Training Program Highlights

We









Structured Lectures

Our lectures cover theory, applications, and best practices.

Assessment and Certification

Exercises, quizzes, and certificates validate training.



Impacts and Benefits for Researchers

1. **Increased Confidence**

   Researchers feel more confident in their abilities.

2. **Improved Technical Skills**

   Training enhances technical expertise.

3. **Experimental Design**

   Training improves experimental design and reproducibility.

4. **Professional Asset**

   Certification validates skills.



"The trainings in microscopy and image analysis have helped me improve my cell counting analysis pipeline. I feel more confident!"
- Dr. Gabrielle Brown

"I needed training in flow cytometry. With theory and hands-on training, I am ready to plan my experiment and to use our flow cytometers!"
- Dr. Jose L. Herrera



Benefits for Core Facility

Strengthened Relations

Training fosters stronger relationships.

More Requests

Training can lead to more service requests.

Higher Utilization

Training may increase instrument utilization (ongoing analysis).

Increased Revenue

Training expected to increase revenue for the facility.



Conclusion and Future Directions

1

Expansion

We plan to expand training to cover new technologies.

2

Collaboration

We aim to strengthen collaborations with internal and external institutions.

3

Innovation

We are exploring new training formats, such as online modules, video tutorials and workshops.

Interested in joining our trainings? Contact me ✉ cperrot2@jh.edu

