



Biosafety Month 2022

University of Miami
Environmental Health & Safety

Biosafety Office

Environmental Health & Safety

FACILITIES OPERATIONS & PLANNING
ENVIRONMENTAL
HEALTH AND SAFETY

Services Resources Contact Us About Us

HOME AAA

Welcome
Environmental Health and Safety is committed to providing a safe and healthy workplace for the University of Miami's faculty, staff, and students.
[LEARN MORE >](#)

COVID-19 UPDATE [CLICK HERE](#)

REPORT SAFETY CONCERNS [CLICK HERE](#)

PREPARE.MIAMI.EDU UNIVERSITY OF MIAMI EMERGENCY PREPAREDNESS

Biological Safety Employee Health Fire Safety Environmental Protection & Hazardous Materials

Industrial Hygiene & Air Quality Laboratory Safety Laser Safety Radiation Control

- Biosafety & Lab Safety
- Laser Safety
- Hazardous Materials Management
- Industrial Hygiene & Air Quality
- Fire Safety
- Radiation Safety
- Employee Health

Biosafety Office



- Shane Gillooly
 - Biosafety Officer



- Melanie Peapell
 - Biosafety Specialist & Laser Safety Officer
 - Dangerous Goods Shipping Coordinator



- Marleina Drane
 - Biosafety Specialist
 - Lab Inspection Coordinator

What is Biosafety Month?

- NIH designated, ABSA sponsored
- Month to encourage institutions to highlight importance of biosafety and strengthen their biosafety programs



The screenshot shows the ABSA International website. The header includes navigation links: HOME, Job Board, Applied Biosafety Journal, myABSA.org, Conference, Biosecurity Symposium, and USDA ARS Symposium. There are also social media icons for Facebook, Twitter, LinkedIn, YouTube, and Instagram. A search bar is located on the right. The main content area features a banner with the ABSA International logo and a photograph of a conference. Below the banner, there is a section titled "ABSA International Biosafety and Biosecurity Month" with a sub-header "Download the Flyer". The text in this section includes: "ABSA International is proud to announce the 9th anniversary of Biosafety and Biosecurity Month in October 2022. Rather than a theme for 2022, we like to bring Biosafety and Biosecurity Month back to the core components of ethical research, transparency, training, engagement, and stewardship of biosafety and biosecurity. Use this month to shine the spotlight on training ideas, stewardship and engagement, how to foster positive relationships with the research community, or supporting responsible and ethical research through our profession. Show your innovation! Updates and additional materials for the event will be periodically posted to this webpage as they become available." Below this text is an orange box with the text: "Please share your Biosafety and Biosecurity Month activities on social media using the hashtag #biosafety_biosecuritymonth". To the right of the text is a flyer for "Biosafety & Biosecurity Month OCTOBER 2022" featuring a graphic of people holding hands and a QR code. The flyer is titled "Biosafety & Biosecurity Month OCTOBER 2022" and includes the ABSA International logo and a QR code. Below the flyer is the caption: "Biosafety and Biosecurity Month Flyer (PDF, 8.5 x 11")".

HOME Job Board Applied Biosafety Journal myABSA.org Conference Biosecurity Symposium USDA ARS Symposium

ABSA INTERNATIONAL
The Association for Biosafety and Biosecurity

About News/Events Publications/Resources Career Growth

Have a question?
Contact ABSA International >

ABSA PORTAL Log in

ABSA International Biosafety and Biosecurity Month

ABSA International is proud to announce the 9th anniversary of Biosafety and Biosecurity Month in October 2022.

Rather than a theme for 2022, we like to bring Biosafety and Biosecurity Month back to the core components of ethical research, transparency, training, engagement, and stewardship of biosafety and biosecurity.

Use this month to shine the spotlight on training ideas, stewardship and engagement, how to foster positive relationships with the research community, or supporting responsible and ethical research through our profession.

Show your innovation!
Updates and additional materials for the event will be periodically posted to this webpage as they become available.

Please share your Biosafety and Biosecurity Month activities on social media using the hashtag
#biosafety_biosecuritymonth

Download the Flyer



Biosafety & Biosecurity Month
OCTOBER 2022

Biosafety and Biosecurity Month Flyer (PDF, 8.5 x 11")



Selecting This Years Theme









Chemical Inventory



BioRAFT Biological Registration

Biological Registrations

- All labs conducting any biological research must submit a registration using the bio-module in BioRaft
 - Captures all biological lab work
 - Recombinant DNA will go to IBC for review
- Registration approvals last for 3 years
 - Requires annual certification
 - Amendments required when:
 - Research plans change
 - New materials introduced
 - New researchers joining the lab

The screenshot shows the BioRaft interface for managing biological registrations. At the top, there are navigation tabs: View, Edit, Dashboard, Members, and Bio. Below this is a breadcrumb trail: Bio | Biological Summary | Projects | Cell Lines | Tissues | Plants | Microbes | Biological Toxins | rDNA | NIH Guidelines.

IBC Support Testing Lab Biologicals

Warning: There are changes to the biological usage summary that have not been certified. Please notify the PI when all changes are ready to be submitted for review. [View changes since 09/24/2020](#)

To view all changes to this biological usage summary since last approval, view [Amendment Summary](#).

Summary [\[edit\]](#)

Principal Investigator: [IBC Support Test Account](#)

Delegate(s): [Laine, Jennifer Meza](#), [Lizzeth Kapsalis, Ellen Koncza, Elisabeth M Perez, Michael A](#)

Assigned Biosafety Level: []

Review Frequency: 3 Years

Dual Use Research of Concern: No

Ships Biomaterials: Yes

	Number
Projects	3
Viral Vector Forms	2
Pathogen Forms	1
Cell Lines	1
Tissues	1
Plants	0
Microbes	0
Biological Toxins	0
rDNA	4

[View or Update Biological Usage Summary](#)

Biological Materials [\[edit\]](#)

Primate Materials

- Human Body Fluids
- Human Cell Lines
- Human Organs
- Human Tissues
- Non-Human Primate Source Materials
- Non-Human Primates

Non-Primate Materials

- Amphibians
- Arthropods
- Bloodborne Pathogens
- Fish
- Lab Animal Cell Lines (Non-Primate)
- Lab Animal Source Materials (Non-Primate)
- Lab Animal Tissues (Non-Primate)
- Lab Animals (Non-Primate)
- Non-Pathogenic Microorganisms
- Pathogenic Microorganisms
- Plants

Other Biological Source Materials

- Biological Toxins
- Infectious Proteins
- Mutagenic Agents
- Recombinant or Synthetic Nucleotides
- Select Agent Biological Toxins
- Viral Vectors

Registration Summary

Submission: **Amended Awaiting Review** [\[change status\]](#)

Registration Started: 09/10/2020
PI Last Certified: 09/24/2020 [Download PDF](#) | [View](#)
Registration Approved: 09/22/2020
Research Last Confirmed: 09/24/2020
Next Review Date: 09/15/2023

[View Registration History and Download PDFs](#)

Submission Requests

[Request Clarification/Modification](#)

[Submission Request/Reminder](#)

[Delegate to a Lab Member](#)

[Request PI Certification](#)

Last Request Sent: [09/22/2020](#)
[View All Past Requests](#)

BioRAFT Guidance

BIORAFT

The purpose of the biological registration module in BioRAFT is to catalogue and summarize the types of work conducted across the varying disciplines of biological research at the University of Miami. The directive for rolling out the new biological registration program was initiated by University leadership and is a joint effort between the [Biosafety Office](#) and the [Institutional Biosafety Committee \(IBC\)](#).

The biological registration process is backed by the IBC and supported by University leadership. While unlikely, all biological registration submissions are subject to IBC review as needed.

This guide provides an overview and clarification of the biological registration submission process through BioRAFT. If there are any additional questions you may have, please reach out to us at biosafety@miami.edu.

See below for in-depth, step-by-step submission guidance and to login to BioRAFT.

BIORRAFT PI QUICK START

BIORRAFT STEP-BY-STEP GUIDE

BIORRAFT LOGIN

- ehs.miami.edu/biosafety
- <https://research.miami.edu/about/admin-areas/raa/ibc/registration-guide/index.html>



Emergency Contact Information

BioRaft Platform

- Lab profile contacts
 - Emergency numbers should not be office lines

Time Frame: Last Year

- + Research Management
- Inspections
 - » **Inspection Dashboard**
 - » Add New Inspection
 - » Smart Inspector
 - » Inspections Required
 - » Inspection Queue
 - » Inspection Log
 - » Finding Occurrences
 - » Configure
- + IBC Committee
- + Biologicals
- + Rad Management
- + Research Tools
- + My Account

High Frequency Findings

Finding	Severity	Type	Occurrences	Num of Labs
Chemical inventory not submitted	+2	Chemical	116 ↑	123 ↑
DHS Chemicals of Interest not submitted	+3	Chemical	67 ↑	67 ↑
Biological safety cabinet annual certification not up to date/current	+3	Biological	42 ↑	46 ↑
Chemical spill kit unavailable/incomplete	+4	Chemical	33 ↑	33 ↑
Laboratory Safety Training not completed or current	+2	Chemical	30 ↑	33 ↑
First Aid Kit not available in lab	+1	General	29 ↑	22 ↑
Food (and/or) beverage related items observed in laboratory	+1	General	27 ↑	27 ↑
Emergency contact information required	+3	General	26 ↑	19 ↑
General laboratory housekeeping un satisfactory	+2	General	22 ↑	23 ↑
Biological Safety Training not completed/current	+4	Biological	20 ↑	24 ↑

[View All](#)

Total Findings

Category	Total Findings
Chemical	354
Biological	149
General	191
Lasers	25

Total Outstanding Inspections

Status	Total Outstanding Inspections
Draft	21
Pending Resolution	78
Needs Assistance	0
Pending Inspector Review	4









Inspection Activity by Month

Start Date	Number of Inspections
10/01/2019	61
11/01/2019	45
12/01/2019	1
01/01/2020	1
02/01/2020	20
03/01/2020	8
04/01/2020	0
05/01/2020	5
06/01/2020	14
07/01/2020	26
08/01/2020	13
09/01/2020	23

Inspection Statuses

Inspection Type	Draft	Pending Resolution	Needs Assistance	Pending Inspector Review	Finalized	Total
Annual	17	75	--	4	112	208

Emergency Contact Card

UNIVERSITY OF MIAMI 	Laboratory Safety Information		
Principal Investigator:	Office Phone:	Cell Phone:	
Lab Safety Contact:	Office Phone:	Cell Phone:	
Secondary Contact:	Office Phone:	Cell Phone:	
Department:			
Building:	Room:		
Chemical Hazards			
<input type="checkbox"/> Air/Water Reactives 	<input type="checkbox"/> Gas Cylinders 	<input type="checkbox"/> Waste Chemicals	
<input type="checkbox"/> Carcinogens 	<input type="checkbox"/> Oxidizers 	<input type="checkbox"/> Cryogenics	
<input type="checkbox"/> Corrosives 	<input type="checkbox"/> Poisons/Toxins 	<input type="checkbox"/> Flammables 	
<input type="checkbox"/> Explosives 			
Other Hazards			
<input type="checkbox"/> Animals	<input type="checkbox"/> Risk Group 2 Agents	<input type="checkbox"/> Laser	<input type="checkbox"/> Radioactive Material
Important Contacts			
CALL 911 (9-911 from UM Phone) FOR EMERGENCIES			
Campus Safety 305-284-6666 (Gables Campus)			
Public Safety 305-284-6000 (Medical Campus)			
Environmental Health and Safety (EHS) 305-243-3400			
Building Address:		Date Form Last Updated:	



Wrap Up & Resources

Biosafety Office Website

FACILITIES OPERATIONS AND PLANNING > HOME > SERVICES > BIOLOGICAL SAFETY

Biological Safety

- Biological Safety
- Biohazardous Emergencies
- Training
- Biological Protocol Review
- Shipping of Dangerous Goods
- Laboratory Inspections
- Equipment
- Frequently Asked Questions
- Resources
- Employee Health Office
- Fire Safety
- Hazardous Materials
- Industrial Hygiene and Air Quality
- Laboratory Safety
- Laser Safety
- Safety Data Sheets
- Radiation Control

Biological Safety

Biological Emergency
Exposure & Spill
Biological Emergency

Training

Protocol Approval

Shipments

Inspections

Equipment

Occupational Health Program

Frequently Asked Questions

Additional Resources

Welcome to the University of Miami Biosafety Office

Our mission is to provide resources and expertise regarding the assessment and control of biological hazards to all UM research stake holders across labs, clinics, classrooms, and facilities.

General Office Contact

biosafety@miami.edu
305-243-3269

Biosafety Officer
[Shane Gillooly](#)
786-797-0387

Biosafety Tech, Laser Safety Officer
Dangerous Goods Shipping Coordinator
[Melanie Peepell](#)
305-389-9931

Biosafety Tech
[Marleina Dreane](#)
954-322-1113

We offer a variety of services to our campus researchers and clinicians as outlined in the links below. Please reach out to us if there is anything further we can do for your lab!

RELATED LINKS

- Occupational Health Program
- BioRAFT

Biological Emergency
Exposure & Spill
Biological Emergency

Training

Protocol Approval

Shipments

Inspections

Equipment


Occupational Health Program

Frequently Asked Questions


Additional Resources

ehs.miami.edu/biosafety


Resources



FACILITIES OPERATIONS & PLANNING
ENVIRONMENTAL
HEALTH AND SAFETY



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FACILITIES OPERATIONS AND PLANNING > HOME > SERVICES > BIOLOGICAL SAFETY > RESOURCES AAA 

Resources

- [Biohazardous Emergencies](#)
- [Training](#)
- [Biological Protocol Review](#)
- [Shipping of Dangerous Goods](#)
- [Laboratory Inspections](#)
- [Equipment](#)
- [Frequently Asked Questions](#)
- [Resources](#)

Manuals & Guidance

- [Lab Safety Manual](#)
- [Hurricane Lab Preparation Checklist](#)
- [Employee Workday Injury-Illness Reporting Instructions](#)
- [Spill Clean-Up Procedure SOPs](#)

Documents & Templates

- [Biological Ancillary Review Assessment \(BARA\) Form](#)
- [Lab Inspection Checklist](#)
- [Exposure Injury Intake Form](#)
- [Researcher Incident Report Form](#)

Postings

- [Laboratory Emergency Procedures & SOPs](#)
- [BSL-2 Biohazard Door Sign](#)
- [Emergency Contact Card](#)
- [Stop Wash Call Poster](#)
- [No Gloves on Doors Signs](#)
- [Biological Spill Response](#)
- [Biosafety Cabinets Tips & Spills](#)
- [Promoting a Culture of Biosafety & Responsibility](#)
- [Sharps Safety](#)
- [Gloves Dos and Donts](#)

Signage & Postings

Laboratory Gloves: Do's & Don'ts

Do's

- Wear gloves when working in the lab
- Always remove gloves when leaving the lab
- Select glove material appropriate to the task, consider the hazard:
 - Biological, Chemical, Radioactive, Sharp, Extreme Temperatures
 - Consult a glove material guide if needed
- Check the glove for holes or damage prior to use
- Change gloves when contaminated or damaged
- Dispose of your used gloves in an appropriate waste container
 - Glove waste must be segregated on hazard
- Always wash your hands after removing gloves

Doffing

- Grasp Outside Glove
- Peel 1st Inside Out
- Ball Up 1st Glove
- Put Fingers Inside 2nd Glove
- Peel 2nd Inside Out
- Dispose Glove
- Wash Hands

Don'ts

- Do **not** reuse disposable gloves
 - After all, they're disposable!
- Do **not** touch doors or door knobs
 - When going between labs, use the "One Glove" technique by holding your sample with your gloved hand while touching the door with your non-gloved hand
- Do **not** touch common equipment or surfaces with gloves, unless signage is present that indicates PPE is necessary for the surface
- Do **not** put gloved hands near

Sharps Safety @ the University of Miami

Dispose of sharps in a designated container
 Dispose of the sharps container when it is ¾ full
 Keep a sharps container on hand
 Make no effort to recap when disposing

Don't
 STOP
 No
 Gloves



biosafety@miami.edu
 Biosafety Office
 EH&S

EXPOSURES & NEEDLESTICKS

STOP → WASH → CALL



...all work in lab



...for 15 Minutes!



EHS
 Employee Health
 305.243.3267



No Gloves on
 Door Knobs!

EMERGENCY PROCEDURES

Environmental Health & Safety

Emergency Numbers
 Dial 911 from Cell Phones or Dial 9-911 from UM Phones

Important Numbers

Facilities – Coral Gables – 305-284-8282
 – Medical – 305-243-6375
 – RSMAS – 305-421-4066

Employee Health – 305-299-4684 (24 hours)

Environmental Health and Safety (EHS) – 305-243-3400

Public Safety Phone Numbers
 Coral Gables – 305-284-6666
 Medical – 305-243-6000
 RSMAS – 305-421-7991

ehs.miami.edu

Immediate Action
 For incidents that pose a risk to Life/Building/Equipment inside the lab or is a risk to persons outside the lab space:

- Pull Fire Alarm and Evacuate Building
- Dial 911 (9-911 from UM Phones)
- Stay close to identify yourself to first responders

Non-Immediate Action
 Incidents that are not immediately life threatening

- Evacuate and avoid area
- Contact Facilities
- Contact EHS – 305-243-3400

Chemical/Biological Exposures
 If the incident involves a chemical or biological exposure that is life threatening:

Eye/Skin Exposure

- Use eyewash, sink, or emergency shower to rinse exposed area for 15 minutes
- Call 911 (9-911 from UM) and report
- Apply Calcium Gluconate if HF involved

Inhalation Exposure

- Leave lab and move victim to fresh air
- Call 911 (9-911 from UM) and report
- If chemical is known, print 3 copies of SDS

Information for First Responders/Public Safety

Street address of this Building _____
 Room Number of this Lab _____
 The nature of the incident e.g. fire, medical emergency, exposure
 Tell them if you think you will need an ambulance

Post Incident

- Call Employee Health at 305-243-3267 (9am - 5pm) or 305-299-4684 (after hours) to report
- Submit the **Exposure/Injury Intake Form** to Employee Health
- If biohazardous in nature, submit the **Research Incident Report Form** to biosafety@miami.edu

in the Biosafety Cabinet

- If assistance is needed, close sash & call EHS at 305-243-3400
- Cover spill area with absorbent material
- Pour liquid disinfectant onto spill, moving outside in
- Allow appropriate contact time for the chosen disinfectant
- Collect absorbed waste and dispose of as biohazardous waste
- Decon all surfaces in BSC and grill pans if applicable
- Dispose of as biohazardous waste
- Allow BSC to run for 10 minutes before resuming work

Notify o
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For assi
 Risk Gro
 call 305-2

Cover s
 with al
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Allow a
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 ach
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Clean a
 and s
 around spill,
 repeating steps 5-8

Remove PPE and
 wash hands

No Gloves on Door Knobs!
 Environmental Health & Safety

Questions

- Contact the Biosafety Office:
 - 305-243-3269
 - biosafety@miami.edu
- Contact Shane directly:
 - 786-797-0387
 - sxg1519@med.miami.edu
- Visit our Website!
 - ehs.miami.edu/biosafety

