Biosafety & Biosecurity Month

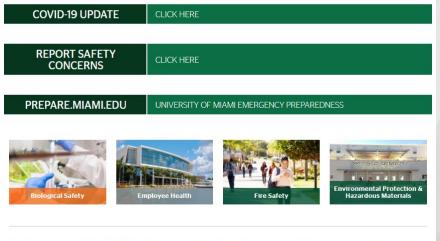
University of Miami Environmental Health & Safety

Biosafety Office

What is EHS?

Environmental Health & Safety







• 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

Biosafety Office Mission

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.

ABSA INTERNATIONAL OCTOBER 2 221 Biosafety and Biosecurity Month



Innovating Biosafety at the University of Miami

- BioRAFT Biological Registration
- OHP Enrollment & Requirements
- Biological Waste Guidance

UNIVERSITY OF MIAMI UNIVERSITY



What is Biosafety Month?

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



ABSA International Biosafety and Biosecurity Month

Innovation in Biosafety and Biosecurity

ABSA International is proud to announce the 8th anniversary of Biosafety and Biosecurity Month in October 2021. The theme for the 2021 Biosafety Month is:" Innovation in Biosafety and Biosecurity".

This year's theme celebrates innovation in the biosafety and biosecurity. During October 2021, let's explore how innovation has influenced our profession, sustainability, and global and international relationships. Look to the future of our profession and delve further into the development of and creativity in risk assessment. Use this month to create a launchpad for engaging with other groups about the evolution of our profession to meet the changing global needs as a result of the innovation in biotechnology research. Topics to consider include:

- Development of and creativity in risk assessment and mitigation
- Evolution of biosafety and biosecurity to meet the changing global needs
- Innovation in sustainability
- Changes in local and international relationships

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



BioRAFT Biological Registration

BioRaft Platform

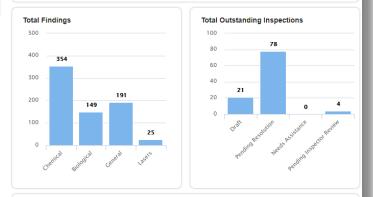
- Lab Inspections
- EHS Notifications
 Emergent Weather
- Administrative Data Storage
 Labs, locations, departments, etc.
- Radiation Management
- Biological Registrations

Search					
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

Find Individual or Gro

bection Dashboard			Time Frame:	Last Year	•					
igh Frequency Findings										
Finding	Severity	Туре	Occurrences	Num of Labs						
Chemical inventory not submitted	+2	Chemical	<u>116</u>	<u>123</u> 🕯						
DHS Chemicals of Interest not submitted	+3	Chemical	<u>67</u>	<u>67</u>						
Biological safety cabinet annual certification not up to date/current	+3	Biological	<u>42</u> Î	<u>48</u>						
Chemical spill kit unavailable/incomplete	+4	Chemical	<u>33</u> 1	<u>33</u> 🚺						
Laboratory Safety Training not completed or current	+2	Chemical	<u>30</u> 1	<u>33</u> 1						
First Aid Kit not available in lab	+1	General	<u>29</u>	<u>22</u>						
Food (and/or) beverage related items observed in laboratory	+1	General	<u>27</u>	<u>27</u>						
Emergency contact information required	+3	General	<u>26</u>	<u>19</u>						
General laboratory housekeeping un satisfactory	+2	General	<u>22</u>	<u>23</u> 🚺						
Biological Safety Training not completed/current	+4	Biological	<u>20</u>	<u>24</u>						
				View A	л					





Inspection Statuses

Inspection Dashboard



Committees Related to Biosafety

Institutional Biosafety Committee (IBC)

• Research involving recombinant or synthetic nucleic acid molecules

Institutional Animal Care and Use Committee (IACUC)

• Research dealing with animal subjects

Institutional Review Board (IRB)

• Research involving human subjects

Institutional Review Entity (IRE)

• Research involving potential DURC

Biological Registration

• All labs working with biological materials must submit a bio 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

/iew	Edit Dasht	board Members	Bio		
io ∣ Biol NH Guid		Projects Cell Lines 1	Fissues Pl	ants Microbes Biological Toxins rDNA	
C Su	pport Test	ting Lab Biolo	gicals		
		the biological usage sur submitted for review. <u>Vie</u>		have not been certified. Please notify the Pl v since 09/24/2020	when all
To view	all changes to this	s biological usage summ	ary since las	st approval, view <u>Amendment Summary.</u>	
Summ	ary		[edit]	Biological Materials	
Principa Delegat	al Investigator: e(s):	<u>IBC Support Test</u> <u>Account</u> Laine, Jennifer Meza, Lizzeth Kapsalis, Eller Koncza, Elisabeth M Perez, Michael A		Primate Materials Human Body Fluids Human Cell Lines Human Organs Human Tissues Non-Human Primate Source Material	c
Review	ed Biosafety Level: Frequency: se Research of Co	3 Years		Non-Human Primates Non-Human Primates Non-Primate Materials Amphibians	5
	iomaterials:	Yes		 Arthropods Bloodborne Pathogens Fish 	
Proje		3		 Lab Animal Cell Lines (Non-Primate) Lab Animal Source Materials (Non-Primate) 	imate)
	Vector Forms	2		Lab Animal Tissues (Non-Primate)	
	ogen Forms	1		 Lab Animals (Non-Primate) Non-Pathogenic Microorganisms 	
Cell L		1		Pathogenic Microorganisms	
Tissu		1		Plants	
Plant		<u>0</u>		Other Biological Source Materials	
Micro	bes	<u>0</u>		 Biological Toxins Infectious Proteins 	
Biolo	gical Toxins	<u>0</u>		Mutagenic Agents	
rDNA		<u>4</u>		Recombinant or Synthetic Nucleotide	S
<u>View o</u>	or Update Biolo	ogical Usage Summ	ary	 Select Agent Biological Toxins Viral Vectors 	
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Registra PI Last Registra	sion: Current ✓ ation Started: Certified: ation Approved: ch Last Confirmed	09/10/2020 09/24/2020 <u>Down</u> 09/22/2020	[change s	tatus! Submission Request/Remin Delegate to a Lab Memberi Request PI Certification @ Last Request Sent: 09/22/2	oder@ 0
	eview Date:	09/15/2023		View All Past Requests	

But... Why?

- Adopts standards of peer institutions
- Brings IBC into a digitized review process
- Will save time on future IBC submissions
- Provides lab an external risk assessment
- Helps track regulated materials
- Helps with emergency response
- Helps with federal entity requests
- Provides foundation for a comprehensive safety culture

BioRAFT Guidance

BIC)RAFT

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 <u>Biosafety Office</u> and the <u>Institutional Biosafety Committee</u> (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 <u>biosafety@miami.edu</u>.

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

BIORAFT PI QUICK START

BIORAFT STEP-BY-STEP GUIDE

BIORAFT LOGIN

• <u>ehs.miami.edu/biosafety</u>

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

Occupational Health Program

OHP Questionnaire

- Launch of new questionnaire for 2021
 - To meet federal requirements and satisfy affiliate standards
 - Reducing number of forms on researchers
 - Reducing number of questions overall
- More revisions coming
 - Online form
 - Smoother processing

EMPLOYEE HEALTH OFFICE - OCCUPATIONAL HEALTH PROGRAM OUESTIONNAIRE INSTRUCTIONS: · Please send this form to the Employee Health Office at OHP@miami.edu only. Do NOT send to IACUC. Today's Date Last Name: First Name: UM ID #: Faculty Student 🔲 Date of Birth: Staff 🔲 Mobile #: Principal Investigate Department Email Addres Job Title: Work # SECTION A - ANNUAL UPDATE 1. Have you previously completed this form and are currently enrolled in the Occupational Health Program? No – skip to Section B Have there been changes to any of the following in the past 12 months? Job Duties: No* 🔲 Yes 🔲 Yes No* Personal health: Animal Species you work with: 🔲 Yes No* Developed new allergy signs or symptoms 🔲 Yes No* Infectious / biological / chemical agents you work with: Tes Yes ■ No* * If you selected No for all questions above, skip to Section D, otherwise detail changes using the form below SECTION B - WORK WITH LIVE ANIMALS 3. Are you currently working or planning to work with live animals? Yes - specify below No – skip to Section C requency of Experience Working with Exposure Symptoms made worse by Transgenic Allergies Species Work Activities Current Exposure / GMŎ to Animal Time Animal animal work environment U Yes Surgery/Necropsy Months Ves. hoose an iten 🔲 No Hands on work w/ animal (hr/day) Years hoose an item Observation/No contact hoose an item ☐ Yes ☐ No Surgery/Necropsy Months hoose an item hoose an item Hands on work w/ animal (hr/day) Years hoose an item Observation/No contact hoose an item Ves No Surgery/Necropsy Months Choose an item Choose an item Hands on work w/ animal (hr/dav) Years Choose an item Observation/No contact hoose an iten

OHP Questionnaire 1.docs

Revision Date: 14-Jan-2

Page 1 of 3

Employee Health Office 1400 NW 10th Ave, Suite 405 Mizmi, FL 33136 PHONE 305-243-3267 FAX 305-243-3272

How to Enroll

- Employee Health Page
- Also linked on BSO page



Resources

Employee Health Office

Fire Safety

Hazardous Materials

Industrial Hygiene and Air Quality

Laboratory Safety

Laser Safety

Safety Data Sheets Radiation Control

RELATED LINKS

Occupational Health Program

General Office Contact biosafety@miami.edu 305-243-3269 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!

Biological Emergency

Biological Emergency

Exposure & Spil

Melanie Peapell 305-389-9931 **Biosafety Tech** Marleina Drane



Protocol Approval

Navigational Tips

UNIVERSITY OF MIAMI Employee Health Office 1400 NW 10th Ave, Suite 405 Miami, FL 33136 PHONE 305-243-3267 FAX 305-243-3272

EMPLOYEE HEALTH OFFICE - OCCUPATIONAL HEALTH PROGRAM QUESTIONNAIRE

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	INSTRUCTIONS:								
	 Please send this form to the Employee Health Office at <u>OHP@miami.edu</u> only. <u>Do NOT send to IACUC</u>. 								
	Last Name:		First Name:				Today's Date		
	UM ID #:		Faculty 🔲		Staff 🔲	Student 🔲	Date of Birth:		
	Principal Investigator:		Department:				Mobile #:		
	Email Address:		Job Title:				Work #:		

SECTION A - ANNUAL UPDATE									
1. Have you previously completed this form and are currently enrolled in the Occupational Health Program? 🔲 Yes – continue below 🔲 No – skip to Section B									
2. Have there been changes to any of the following in the past 12 months?									
	Job Duties:						🔲 Yes	🔲 No*	
	Personal healt	th:					Yes	No*	
	Animal Speci	es you work wi	th:				Yes	□ No*	
	Developed ne	w allergy signs	or symptoms				Yes	□ No*	
	-	ological / chem					Tes		
		-		ted No for all questions above, s	kip to Section D. oth	erwise detai			
SE	CTION B - WORK V			v 2 -			0 0 /		
3.	Are you currently v	vorking or pla	nning to wor	k with live animals?			Ves – specify below	No – skip to Section C	
	Species	Transgenic / GMO	Allergies to Animal?	Work Activities	Frequency of Current Exposure	Exposure Time	Experience Working with Animal	Symptoms made worse by animal work environment	
		🔲 Yes 🔲 No	U Yes	Surgery/Necropsy Hands on work w/ animal Observation/No contact	Choose an item.	(hr/day)	Months Years	Choose an item. Choose an item. Choose an item.	
		Yes No	☐ Yes ☐ No	Surgery/Necropsy Hands on work w/ animal Observation/No contact	Choose an item.	(hr/day)	Months Years	Choose an item. Choose an item. Choose an item.	
		Ves 🗋 No	☐ Yes ☐ No	Surgery/Necropsy Hands on work w/ animal Observation/No contact	Choose an item.	(hr/day)	Months Years	Choose an item. Choose an item. Choose an item	

OHP Questionnaire 1.docx

Revision Date: 14-Jan-21

Choose an item.

Lab Waste Disposal Guidance

Appropriate Waste Containers

- In the state of Florida, biomedical waste supplies are required to comply with ASTM D-1709-91 and D-1922-89
- EHS has compiled a list of products from notable vendors that are compliant with the FLDOH for proper storage and management of biohazardous waste in laboratories
- Other companies may be utilized as well, as long as the products are compliant with FLDOH guidelines

Approved Biomedical Waste Supplies by Company							
Container	Size	VWR	Grainger	Uline	Fastenal		
Red Bags	10 Gal	89092-410	5KRC2	S-12984	F2400XR		
Red Bags	20 Gal	89092-414	39P017	S-20849	G3600XR		
Red Bags	5 Gal	89092-448	3UAF4		F1800XR		
Red Bags	1 Gal	89092-444	3UAF2				
Boxes	Floor	56617-807	9TXM5		7021460		
Boxes	Bench Top	56617-810	8UK88		7021459		
Sharps Containers	8 Gal Floor	19001-010	3UTE9				
Sharps Containers	2 Gal Bench	19001-008	3UTE7	S-22218			
Sharps Containers	1 Gal Bench				1051626		

New Signage Developed

Laboratory Waste Disposal Guide



Wrap Up & Resources

Biosafety Office Website

FACILITIES OPERATIONS AND PLANNING 3 HOME 3 SERVICES 3 BIOLOGICAL SAFETY

Biological Safety

Biological Safety

Biohazardous Emergencies

Training

Biological Protocol Review

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

RELATED LINKS

Occupational Health Program

BIORAFT

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.

> Biosafety Officer Shane Gillooly 786-797-0387

Biosafety Tech, Laser Safety Officer Dangerous Goods Shipping Coordinator Melanie Pespell

305-389-9931

Biosafety Tech Marleina Drane 954-322-1113



















<u>ehs.miami.edu/biosafety</u>

Biological Emergency Exposure & Spil Biological Emergency



General Office Contact

biosafety@miami.edu

305-243-3269

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!

Protocol Approval

Resources

FACILITIES OPERAT ENVIRONMI MIAMI HEALTH AN	FACILITIES OPERATIONS & PLANNING ENVIRONMENTAL MI HEALTH AND SAFETY			Q	
	Services	Resources	Contact Us	About Us	
FAGILITIES OPERATIONS AND PLANNING > HOME > SI	ERVICES > BIOLOGICAL SAFETY > RESOURCES			AAA	
Resources					
Biohazardous Emergencies	Manuals & Guidance				
Training	Lab Safety Manual				
Biological Protocol Review	Hurricane Lab Preparation Checklist				
	 <u>Employee Workday Injury-Illness Reporting Instructions</u> Spill Clean-Up Procedure SOPs 				
Shipping of Dangerous Goods	- <u>Spiritizantoj riocoure sors</u>				
Laboratory Inspections					
	Documents & Templates				
Equipment	 Biological Ancillary Review Assessment (BARA) Form 				
Frequently Asked Questions	Lab Inspection Checklist				
D	 <u>Exposure Injury Intake Form</u> Researcher Incident Report Form 				
Resources	 <u>Researcher inddent Report Form</u> 				
	Postings				
	Laboratory Emergency Procedures & SOPs				
	 <u>Eaboratory Energency Procedures & Sons</u> 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 Shares Safety				
	 <u>Sharps Safety</u> Gloves Dos and Donts 				



Questions

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

<u>ehs.miami.edu/biosafety</u>