

BU Agent Incident Reporting Summary April to June 2018

**CAMPUS	Date of Incident	Incident Type/Agent Involved	BSL	Transmissible Person to Person	Description	*Reportable Incident	Report of Clinical Illness	Agency Reported To	Comments/Corrective Actions
BU Medical Campus (BUMC)									
BUMC	4/27/18	Right shoulder contusion	ABSL2	No	An animal care technician was hit on her right shoulder by door she thought was propped open as she was carrying mouse cages.	Yes	No	OSHA	Ensure the door is properly propped open before passing through the doorway.
BUMC	4/30/18	Laceration to left thumb and ring finger	BSL2	No	A post doc working for BMC and on a BU IACUC and IBC protocol sustained lacerations to her left thumb and ring fingers while using a microtome blade. This post doc accidentally cut herself while trying to change the position of the paraffin block that contained clean, non-transgenic, non-infectious mouse kidney tissue.	Yes	No	BPHC	The student was instructed to be more conscientious in engaging the locking mechanism on the microtome. The PI also provided a set of blade resistant gloves if the blade needed further adjustments.
BUMC	5/10/18	Splash incident	BSL2	No	A graduate student was ejecting cell culture fluid containing HIV virus from syringe into a container when the rack holding the tube slipped causing it to spill contents with a few drops onto his lap. After further evaluation it was determined to be a non blood borne pathogen exposure.	No	No	N/A	The grad student would be more conscientious in the filtering step of the protocol and would use a non-slip 50 ml conical tube holder going forward.
BUMC	5/10/18	Clean mouse bite	ABSL1	No	A research technician was bit by a mouse with no exposure to hazardous agents while in an animal training session.	Yes	No	BPHC	The researcher has completed animal handling training with the ASC Training Coordinator and continues to work with the ASC Training Coordinator to further his animal handling and procedure specific skills.
BUMC	5/14/18	Clean mouse bites	ABSL1	No	A right hand dominant research associate was bit twice by two different clean mice with no hazardous agents within 10 minutes while in an animal handling training session.	Yes	No	BPHC	Complete mouse handling and restraint training with the Animal Science Center's Training Coordinator until proficient with this task.
BUMC	5/18/18	Report of possible animal allergy symptoms	ABSL2	No	Following an animal allergy educational training, an animal care technician called to report a possible concern for new allergy symptoms when working with primates and later discovered symptoms were environmental.	No	No	N/A	Allergy symptoms were not related to the worker's work environment. No corrective action required.
BUMC	6/7/18	Mouse bite to left thumb	ABSL1	No	An undergraduate student was bitten by a mouse with no hazardous agents during an animal training program.	Yes	No	BPHC	The student has been working with the ASC Training Coordinator to complete the mouse handling and restraint training.
BUMC	6/7/18	Back strain	ABSL1	No	An animal care technician reported lower back strain after bending over to reach for the stack of falling cages.	No	Yes	OSHA	An ergonomic evaluation was completed for this worker and his job tasks and he was instructed to not make similar, sudden, movements while working in the future.
BUMC	6/14/18	Percutaneous incident to left index finger	ABSL2	No	A second year graduate student sustained a percutaneous needle stick injury while in a training lab. While learning to draw blood from a mouse's tail vein, he was holding the mouse's tail with his left hand, and attempting to draw a blood sample with his right hand, using a 25 g needle/syringe. The mouse startled and moved suddenly, and the needle went through the mouse's tail and punctured the index finger of the graduate student's left hand. The mouse was "clean" with no exposure to biological or chemical agents.	Yes	No	BPHC	The student is scheduled to continue training with the Animal Science Center Training Coordinator until deemed sufficient at his research procedures.
BUMC	6/22/18	Laceration to right thumb	ABSL2	No	An undergraduate research volunteer had sustained a laceration from using the cryostat blade to cut a sample of mouse aortic tissue (which had been fixed in formaldehyde and then frozen). The student forgot to put the blade's guard in its proper place before reaching for the sample.	Yes	No	BPHC	EHS provided a copy of the BU cryostat handout for posting near the instrument. The student restated their commitment to always using the guard properly and securely.
Charles River Campus (CRC)									
CRC	4/4/18	Laceration to left index finger		No	An undergraduate chemistry lab student sustained a laceration when using a clean (new) glass pipette to get a filter disk out of a funnel when it broke and accidentally cut the tip of her left index finger.	No	No	N/A	Use a wooden stick or a thin metal spatula instead of a glass pipet.
CRC	4/11/18	Chemical splash to left foot		No	An undergraduate student in an academic organic chemistry lab sustained a chemical spill on his left shoe around the big toe as he was cleaning up at the end of the session. He had accidentally spilled part of the contents of his personal chemical waste beaker on his left foot.	No	No	N/A	Utilize a funnel and do not pour the waste too fast into the waste container to prevent splash.
CRC	4/11/18	Laceration to left index finger	ABSL2	No	A graduate student sustained a laceration to her left index finger with a scalpel that was used on a mouse with no hazardous agents while attempting to remove the scalpel blade from the handle.	Yes	No	BPHC	Going forward, the lab will utilize scalpel blade removal forceps to detach the scalpel's blade from its handle.

CRC	4/19/18	Chemical splash to left foot		No	An undergraduate student in chemistry lab accidentally spilled about 50-100ml of chemical waste (Ferrocene, acetone, water, diluted 10% NaOH and phosphoric acid) from a communal waste container on her left foot when she opened a waste container that was full with objects other than liquid waste.	No	No	N/A	They should take out the filter disc from reaction mixture and dispose it as solid chemical waste, before pouring the reaction mixture into communal liquid waste container. It can prevent the clogging of the funnel.
CRC	4/20/18	Chemical splash to lab coat		No	A 4th year PhD student doing chemistry research working with a buddy lifted a flask from a heat source. The flask fell through the clamp, cracked and shattered over a hot plate and hood splashing onto the graduate student's lab coat. No injury, skin or respiratory irritation was reported.	No	No	N/A	Do not lift the flask too high to reduce the fall impact and likelihood of flask breakage.
CRC	4/24/18	Yellow spots on fingers reported after chemistry lab class		No	An undergraduate student noticed yellow spots on one of his fingers after a chemistry lab when working with methanol, 2,5 hexanedione, ethanolamine, 1M hydrochloric acid, acetone, diethyl ether and deuterated chloroform. The student did not notice the spots until after the lab period but it is reported the spots are slowly fading.	No	No	N/A	Utilize appropriate PPE when handling chemicals.
CRC	5/23/18	Cut on leg by Plexiglass sheet		No	An undergraduate research assistant cut her leg when she accidentally let the Plexiglass she had just cut to touch the circular saw she had used, causing the Plexiglass sheet to shoot back and cut her leg.	No	No	N/A	Students working with circle saw in the future will be more closely supervised or not allowed to work with this equipment if they do not have sufficient experience. EPIC center will continue training users on specific equipment
CRC	6/22/18	Mouse bite to right middle finger	ABSL2	No	A graduate student was bit by a mouse during a mouse handling training session.	Yes	No	BPHC	The student has completed the animal handling and restraint training with the ASC Training Manager. Also, the student has future training, with the ASC Training Manager, scheduled for additional research tasks.
CRC	6/26/18	Mouse bite to right index finger	ABSL2	No	A PhD student was bit by a transgenic mouse that turned and bit his finger as he went to scruff it. The mouse did not contain any virus or other hazardous agents.	Yes	No	BPHC	This strain of mice over-express the Ube3A protein making it good for a mouse model that correlates with the human neurodevelopmental disorder Angelman Syndrome. The PhD student has 1.5 years of experience handling mice. He is sufficiently trained and comfortable with all of his required duties. Going forward, the student will assure he has a secure scruff when handling mice to prevent future incidents.
CRC	6/30/18	Chemical reaction splash to face and arms		No	A graduate student wearing gloves, goggles and lab coat set up a chemical reaction inside a chemical fume hood that was heated to 50 degrees Celsius and exploded when the two necks of the flask were capped despite one having a needle in it for air space. The student decontaminated, called 911 and was further evaluated. There were no respiratory or other clinical side effects.	No	No	No	Follow standard operating procedures when working in the lab and call Control, not 911.
National Emerging Infectious Disease Laboratory (NEIDL)									
NEIDL	6/13/18	Breach with BSL-4 outer suit zipper	BSL4	No	A facilities staff person noticed his left leg scrub pants were wet while in the decontamination shower exiting BSL4 containment. He was further evaluated in ROHP.	Yes	No	BPHC	During this incident the lab was not hot (no RG4 viruses present in the space). This incident was discussed with the Facility manager and the decision was made to avoid moving BSC while the lab is hot. We will try very hard to never resource to that option in the future, however, if we have to do it again, the activity will be closely monitored/supervised by EHS.
Other - Collaborating Laboratory		No incidents							

* Indicates if incident is reportable to local, state or federal agency (e.g. Centers for Disease Control, National Institutes of Health, Boston Public Health Commission, etc.)

**** Campus Location**

BUMC - Boston University Medical Center

CRC - Charles River Campus

NEIDL - National Emerging Infectious Disease Laboratories

Other - work done at collaborating laboratories