

BU Agent Incident Reporting Summary January to March 2023

**CAMPUS	Date of Incident	Incident Type/Agent Involved	BSL	Description	Reportable Incident	Report of Clinical Illness	Agency Reported To	Comments/Corrective Action
BU Medical Campus (BUMC)								
BUMC	1/5/23	Non-human primate scratch to finger- potential Herpes B exposure	ABSL-2	Non-human primate scratch to finger- potential Herpes B exposure	Yes	No	BPHC	Root cause: lack of awareness. Steps to prevent recurrence: non-human primate researchers will follow standard operating procedures and use various behavioral interventions to distract the non-human primate while the medicine is put into the food hopper.
BUMC	1/19/23	Mouse bite to right thumb	ABSL-1	Mouse bite to right thumb	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: EHS advised employee re-review training with animal trainer and work independently once proficient with procedures.
BUMC	1/25/23	Rat bite to left index finger	ABSL-1	Rat bite to left index finger	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: researcher will continue to work with PI and practice injections until proficient using nonhazardous fluids such as saline, prior to dosing for actual experiments.
BUMC	2/2/23	Research Technician pricked right middle finger with sterile needle	BSL-2	Research Technician pricked right middle finger with sterile needle	No	No	N/A	Root cause: not conscientious. Steps to prevent recurrence: EHS suggested lab purchase other types of needles and syringes.
BUMC	2/7/23	Mouse bite to left index finger	ABSL-1	Mouse bite to left index finger while trying to restrain mouse in training room	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: Employee will continue to seek guidance and expertise from animal trainer to learn and become proficient with animal handling and transfer techniques.
BUMC	2/14/23	Chemical burn to left thumb and middle fingers	BSL-2	Chemical burn to left thumb and middle fingers	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: Student received more training on the SOP for working with the frozen OCT block.
BUMC	3/24/23	Rat bite to 3rd digit of right hand	ABSL-1	Rat bite to 3rd digit of right hand while opening cage lid	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: will be to observe rat inside the cage before immediately lifting the lid and making sure it is positioned away from a hand.
Charles River Campus (CRC)								
CRC	1/10/23	Needlestick injury to left 2nd digit	BSL-1	Needlestick injury to left 2nd digit	No	No	N/A	No biologicals or hazardous agents involved with incident. Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: Student unfamiliar with procedure was observed again by more experienced lab member while using a needle and pressurized tubes.
CRC	2/6/23	Cut to right middle finger	N/A	Cut to right middle finger on clean beaker	No	No	N/A	Root cause: housekeeping issue. Steps to prevent recurrence: EHS recommended stockroom manager distribute adequate brushes so lab student's don't reach into glassware itself to wash.
CRC	2/8/23	Cut to right palm	N/A	Cut right palm from small piece of glass in sink while cleaning sink	No	No	N/A	Root cause: housekeeping issue. Steps to prevent recurrence: EHS advised picking up any broken glass with tongs, not hands.
CRC	2/13/23	Cut to right hand at base of thumb	N/A	Cut to right hand at base of thumb	No	No	N/A	Root cause: lack of personal protective equipment and housekeeping issue. Steps to prevent recurrence: Student was reminded to wear gloves whenever touching things in the lab and instructor was responsible for picking up broken glass with dust pan and brush.
CRC	2/17/23	Contact with chemical to right thumb	N/A	Contact with chemical to right thumb	No	No	N/A	Root cause: poor contamination control. Steps to prevent recurrence: EHS advised on appropriate glove hygiene.
CRC	2/27/23	Clean needle stick to left index finger	N/A	Stuck left index finger with clean needle	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: EHS recommended additional sharps safety training.

CRC	2/28/23	Report of facial and hand pruritis and burning	N/A	Report of facial and hand pruritis and burning	No	No	N/A	Root cause: none identified. Steps to prevent recurrence: EHS conducted VOC air quality monitoring intermittently (and repeatedly) and investigated the fume hoods. All detectable general VOCs were reported as negligible and the fume hoods were operating within the required operating range. Student was referred to an allergy specialist and told to seek medical evaluation before returning to lab. Alternate accommodations for class and experimental designs were encouraged to adopt as additional administrative controls to best negate any repeat issues and alleviate student's condition in the future.
CRC	2/28/23	Clean needle stick to left middle finger	N/A	Clean needle stick to left middle finger	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: EHS recommended additional sharps safety training.
CRC	3/1/23	Clean needle stick	N/A	Clean needle stick	No	No	N/A	Root cause: training; insufficient skills or expertise. Steps to prevent recurrence: EHS recommended additional sharps safety training.
CRC	3/3/23	Left thumb and index cuts on glass	N/A	Left thumb and index cuts on glass	No	No	N/A	Root cause: equipment related, defective. Steps to prevent recurrence: Lab will replace glass test tube with another screw top vial that isn't considered sharps.
CRC	3/14/23	Hives on hands exposed to isopropanol	N/A	Hives on hands exposed to Isopropanol	No	No	N/A	Root cause: lack of personal protective equipment. Steps to prevent recurrence: student was advised to wear nitrile gloves for the entirety of the chemical procedure while working with isopropanol.
CRC	3/15/23	Reported taste of vanillin on lips and headache after using vanillin stain	N/A	Reported taste of vanillin on lips and headache after using vanillin stain	No	No	N/A	Root cause: poor contamination control. Steps to prevent recurrence: EHS advised on appropriate glove hygiene.
CRC	3/24/23	Headache reported after working with a chemical	N/A	Student was transferring a chemical and reports smelling the chemical and getting a headache	No	No	N/A	Root cause: other/engineering controls not used as intended. Steps to prevent recurrence: EHS retrained student and reviewed lab practices to fully cap containers with volatile organic chemicals when transferring them from hood to hood.
CRC	3/29/23	Student was working with chemical and reported lower bleeding lip	N/A	Student was working with chemical and reported lower bleeding lip	No	No	N/A	Root cause: poor contamination control. Steps to prevent recurrence: EHS advised on appropriate glove hygiene.
CRC	3/31/23	Student sustained a cut to right 2nd digit while washing the inside of a glass beaker	N/A	Student sustained a cut to right 2nd digit while washing the inside of a glass beaker	No	No	N/A	Root cause: housekeeping issue. Steps to prevent recurrence: EHS recommended student use adequate brushes while washing glassware and avoid reaching into glassware itself.
National Emerging Infectious Disease Laboratory (NEIDL)								
NEIDL	1/18/23	PhD student sustained right hand laceration	BSL-2	PhD student sustained right hand laceration after a glass bottle containing radioactive material shattered while trying to take cap off	No	No	N/A	Retraining on Basic Radiation Safety Training in BioRAFT was recommended. The lab was also asked to review its inventory and match bottle caps to their appropriate bottles to prevent the recurrence of improper fit and to allow bottles to cool if they have trouble opening them.
NEIDL	3/2/23	Right thumb suit & outer glove tears	BSL-4	Right thumb suit & outer glove tears	No	No	N/A	Use of cut resistant glove has been adopted by the ARS.
NEIDL	3/2/23	Suit glove tear at left wrist	BSL-4	Suit glove tear at left wrist	No	No	N/A	Use of cut resistant glove has been adopted by the ARS.
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