EMORY UNIVERSITY
Environmental Health and Safety Office
Research Administration

1762 Clifton Road NE, Suite 1200
Atlanta, GA 30322
(404) 727-5922
FAX: (404) 727-9778

Submit by Email

LASER REGISTRATION FORM

NOTE: All lasers of Class 3B and Class 4 must be registered with the Environmental Health and Safety Office (see page 2 for criteria of Class 3B and Class 4 Lasers before completing this form).

Instructions:

- Please complete this form for each laser in either of the aforementioned laser classes and email via the "Submit by Email" button in top right corner of this form. If a Mac user, save and email to linspec@emory.edu

SECTION A: REGISTRATION INFORMATION			
Principal Investigator:			
Office Phone No:		E-mail address:	
Laser Operator(s):			
Laser Manufacturer:			
Model Number:		Serial Number:	
Type of Laser Equipment:			

SECTION B: LOCATION OF LASER					
Department:		Building:		Room Number:	
Laser Classification (Check One):	☐ Class 3B		☐ Class 4		
Active Medium (ex. – Argon, Ruby, Nd: YAG, Dye):					
Tunable Laser? (Check One)	☐ Yes		☐ No		
Wavelength(s) (nanometers):					
Beam Divergence (milirads):					
Beam Diameter (millimeters):					
Purpose and Frequency of Use:					
Beam Type:	☐ Continuous Wave	Average Power:			
	☐ Pulsed	Joules per Pulse:		Pulse Repetition Frequency (Hz):	
	☐ Q-Switched	Pulse Width:		Joules per Pulse:	
	☐ Other				

Comments:

PI Signature: _____ Date: _____

By electronically signing this form, I acknowledge that all statements are true and accurate. If requested, an actual signed document can and will be provided.

SECTION C: CRITERIA FOR CLASS 3B AND CLASS 4 LASERS

Criteria for Class 3B Lasers

1. The device is capable of emitting laser radiation that is accessible for any duration inherent in its design.
2. For operation in the ultraviolet (180 nm – 400 nm) and the infrared (1400 nm – 1mm) areas of the electromagnetic spectrum:
    a. The device cannot produce accessible laser radiation exceeding an average radiant power of 0.5 W (500 milliwatts) for ≥ 0.25 seconds (normal aversion response).
    b. The device cannot produce accessible laser radiation exceeding a radiant energy of 0.125 J within an exposure time of < 0.25 seconds.
3. For operation in the visible (400 nm – 700 nm) or near-infrared (700 nm – 1400 nm) areas of the electromagnetic spectrum:
    a. The device cannot produce accessible laser radiation exceeding an average radiant power of 0.5 W (500 milliwatts) for ≥ 0.25.
    b. The device cannot produce accessible laser radiation exceeding an average radiant power of 0.03 J per pulse.

Criteria for Class 4 Lasers

1. The device is capable of emitting laser radiation that is accessible for any duration inherent in its design.
2. For operation in all areas of the electromagnetic spectrum, the device produces accessible laser radiation exceeding an average radiant power of 0.5 W (500 milliwatts) for ≥ 0.25.