

Yale *Environmental Health & Safety*

New Principal Investigator Questionnaire

Please complete the questionnaire below to the best of your ability. Accurate answers to these questions not only help ensure that your laboratory complies with applicable regulations, but also help ensure the safety and well-being of individuals working in this lab space. Please attach pages with additional information, if necessary.

Please send the completed form to:
Yale Environmental Health & Safety
135 College Street, Suite 100
New Haven, CT. 06510
OR
email to ehs@yale.edu.

Contact Information			
Name:			
Yale Department:		Email:	
Work Phone:		Cell Phone:	
Research Interests and Activities			
Provide a brief description of your general research interests and activities. Please include your website or other electronic references to your work, if available:			
Staffing and Students			
	# At Initial Start-Up	# in 2 Years	# in 4 Years
Faculty and Staff (including yourself)			
Graduate Students			
Biological Materials and Work			
Provide a general description of your anticipated work with biological materials:			

Biological Materials and Work (Continued)

Highest level of biosafety work? ☐ BSL-1 ☐ BSL-2 ☐ BSL-3

Any use of human blood, other bodily fluids, tissues, etc? ☐ Yes ☐ No

Any use of known infectious agents/organisms? ☐ Yes ☐ No (if yes, please list below)

Any Recombinant DNA work? ☐ Yes ☐ No

Are select agents used? ☐ Yes ☐ No (if yes, please specify below)

The select agent list can be found at <https://www.selectagents.gov/SelectAgentsandToxinsList.html>

Any cell culture? ☐ Yes ☐ No (if yes, please describe below)

Are animals used? ☐ Yes ☐ No (if yes, please answer below)

☐ Rodents ☐ Non-human primates ☐ Other:

Any fieldwork/wildlife? ☐ Yes ☐ No (if yes, please specify what organisms, origin/location below)

Any gene therapy? ☐ Yes ☐ No

Any human investigations/trials? ☐ Yes ☐ No

Chemicals and Work

Provide a general description of your anticipated work with chemicals:

Chemicals and Work (Continued)

List routine chemical operations planned (e.g., HPLC, organic synthesis, peptide cleavage, solvent purification or distillation, etc.):

Any compressed gas use? ☐ Yes ☐ No (if yes, please list details below)

Gas	Quantity	Purity	Estimated Consumption Rate

Is a compressed gas manifold system needed? ☐ Yes ☐ No

Any use of cryogenics? ☐ Yes ☐ No (if yes, please specify below which cryogen(s), the approximate volumes and consumption rates)

Will there be flammable solvents in excess of 10 gallons? ☐ Yes ☐ No

Any use of pyrophoric materials (e.g., K, Na, Li, CaH, LiAlH)? ☐ Yes ☐ No (if yes, please list and describe uses below)

Any use of heavy metals (including organic forms of Hg and Pb)? ☐ Yes ☐ No

Will any other high toxicity compounds be used? ☐ Yes ☐ No

Chemicals and Work (Continued)

Any use of hydrofluoric acid? ☐ Yes ☐ No (if yes, please describe use below)

Any use of perchloric acid? ☐ Yes ☐ No (if yes, please describe use below)

Any use of engineered nanomaterials? ☐ Yes ☐ No (if yes, please list and describe uses below)

Controlled Substances in Research or Animal Work

Do you plan any work controlled substances in laboratory or animal research? ☐ Yes ☐ No (if yes, please list substances and approximate quantities below)

Refer to Yale University's Policy on the Use Controlled Substances in Research at
<http://ehs.yale.edu/sites/default/files/files/controlled-substances-research-use-labs.pdf>

Radiation and Radioactive Materials Work

Please provide a general description of anticipated work with radioactive materials or other sources of ionizing radiation, including any specific radioisotopes, approximate activities and end uses:

Radioisotopes you anticipate working with: ☐ ^3H ☐ ^{14}C ☐ $^{32/33}\text{P}$ ☐ ^{35}S ☐ ^{51}CR ☐ $^{125/131}\text{I}$

Others (list)

Will your work involve any of the following equipment?

☐ X-ray imaging or diffraction ☐ Sealed source irradiation

Other Special Work and Equipment

Will your work involve any of the following?

- ☐ Laser(s) (if yes, please note class(es): _____)
- ☐ High magnetic field generating equipment ☐ High voltage equipment ☐ Automated film processing
- ☐ Dedicated microscopy (including electron microscopy) ☐ Unusually heavy equipment floor loading
- ☐ Cleanroom working conditions (e.g., semi-conductor FAB, FDA GMP)

General Space Needs

Desired number and size of offices and desk spaces:

Current lab space allocation (in gross ft²):

Desired space configuration:

Lighting and lighting controls:

Light isolation:

Vibration isolation/sensitivity of planned work:

Sound isolation requirements:

Any special security or access controls:

Other special needs (e.g., extra-large access, crane/lift, fixed ladders):

Utility Needs

Electricity: ☐ 220V ☐ 480V ☐ Other: _____ ☐ One phase ☐ Three phase

Back-up or alternate power requirements:

Special water needs (identify types, flowrates and purity):

☐ Process ☐ DI ☐ Chilled/cooling ☐ Other: _____

Temperature, humidity and/or dust control:

Alarm or special monitoring systems (other than fire/smoke):

House compressed air (purity, quantity, pressure):

House vacuum systems (flowrate, vacuum pressure):

House piped gas (use and details):

Other special utility needs:

Lab Furnishings, Engineering Controls and Other Equipment

Benches and cabinetry:	
Biological safety cabinet(s):	Class, size, brand, number, intended uses:
Environmentally-controlled rooms (cold or warm):	
Autoclave(s):	
Fume hoods:	Number, size, style, general uses:
Snorkel or other dedicated local exhaust devices:	
Glove box:	Number, size uses (e.g., inert atmosphere, high hazard containment):
Flammable liquids storage cabinet(s):	
Corrosive liquids storage cabinet(s):	
Toxic gas monitoring (describe):	
Sinks (any need for cup sinks):	
Lab supply storage:	
Waste storage:	
Other special storage:	
Other special equipment/installation:	

Data and Communications
Phone lines:
Phone jacks:
Ethernet access:
Other communications/media issues and needs:
Transferring Equipment or Supplies to Yale
<p>If you are transferring equipment or supplies from your current institution to Yale University, please review the following:</p> <ul style="list-style-type: none"> • Any potentially contaminated equipment must be appropriately surveyed prior to leaving its current location. Written records of the survey(s) must accompany the equipment and any needed decontamination efforts must also be documented and accompany the equipment. Contact Yale Environmental Health and Safety for more information. • Biological safety cabinets must be registered with EHS and placed on the annual certification and service contract. Principal Investigators are responsible for the cost of this. • Automated film processors must also be placed on a University service and maintenance contract. Principal Investigators are also responsible for the cost of this work. • “Ductless” fume hoods are prohibited unless prior approval is granted by EHS. • Contact EHS prior to shipping any hazardous materials to your new laboratory. This will ensure we can safely and legally accept the materials and ensure that any unusual materials are appropriately accounted for. • Biological materials, hazardous chemicals and radioactive materials must be packaged, manifested and shipped to Yale University under applicable DOT regulations. It is essential that you receive written authorization from both the source institution and Yale University prior to shipping or otherwise transporting any hazardous materials. • Refer to Yale University Policy 3220: Purchase of Restricted Items for further information about prohibited items or controlled materials. (https://your.yale.edu/policies-procedures/policies/3220-purchase-restricted-items)
Yale Contact Information
Department Business Manager/Administrator:
Project Manager/Facilities Coordinator: