

## New Principal Investigator Questionnaire

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

### 1. Contact Information:

Name: \_\_\_\_\_

Yale Department: \_\_\_\_\_

Current Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

### 2. Research Interests and Activities

Provide a brief description of your general research interests and activities. If you have an existing website or other electronic references to your work, please identify them.

### 3. Staffing and Students

Identify anticipated size of your research group, broken out by staff and students.

	At Initial Start-Up	In 2 Years	In 4 Years
Faculty and staff (including yourself)			
Graduate students			

### 4. Biological Materials and Work

Provide a general description of anticipated work with biological materials:

Highest level of biosafety work: BSL1      BSL2      BSL3

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

Any use of known infectious agents/organisms? No Yes (list):

Any Recombinant DNA work? No Yes

Are select agents used? No Yes, please specify:

Link to select agent list: <http://www.selectagents.gov/SelectAgentsandToxinsList.html>

Any cell culture? No Yes (describe):

Are animals used? No Yes

Rodents Non-human primates Other (specify):

Any fieldwork/wildlife? No Yes, please specify what organisms, origin/location:

Any gene therapy? No Yes

Any human investigations/trials? No Yes

## 5. Chemicals and Work:

Provide a general description of anticipated work with chemicals:

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

Any compressed gas use? No Yes (list details below)

Gas	Quantity	Purity	Estimated Consumption Rate

Is a compressed gas manifold system needed? No Yes

Any use of cryogen? No Yes

If yes, specify which cryogen(s) and approximate volumes and consumption rates

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

Any use of pyrophoric materials (e.g., K, Na, Li, CaH, LiAlH)? No Yes

If yes, list which ones and describe uses

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

Will any other high toxicity compounds be used? No Yes

Any use of hydrofluoric acid? No Yes

If yes, describe use

Any use of perchloric acid? (describe use)? No Yes

If yes, describe use

Any use of engineered nanomaterials? No Yes

If yes, list which ones and describe use

## 6. Controlled Substances in Research or Animal Work

Do you plan any work with controlled substances in laboratory or animal research. If yes, please list substances and approximate quantities. Refer to Yale University's Controlled Substance Research Policy for more information (<http://ehs.yale.edu/sites/default/files/files/controlled-substances-research-use-labs.pdf>).

## 7. 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: \_\_\_\_\_ <sup>3</sup>H \_\_\_\_\_ <sup>14</sup>C \_\_\_\_\_ <sup>32/33</sup>P \_\_\_\_\_ <sup>35</sup>S \_\_\_\_\_  
<sup>51</sup>Cr \_\_\_\_\_ <sup>125/131</sup>I Others (list): \_\_\_\_\_

Will your work involve any of the following equipment?

- X-ray imaging or diffraction
- Sealed source irradiation

### 8. Other Special Work and Equipment

Will your work involve any of the following?

- Laser(s)  
Class(es): \_\_\_\_\_
- High magnetic field generating equipment (eg., NMR, MRI)
- High voltage equipment
- Dedicated microscopy (including electron microscopy)
- Automated film processing
- Cleanroom working conditions (e.g., semi-conductor FAB, FDA GMP)
- Unusually heavy equipment floor loading

### 9. General Space Needs

Desired number and size of offices and desk spaces: \_\_\_\_\_

Current lab space allocation (in gross ft<sup>2</sup>): \_\_\_\_\_

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):  
\_\_\_\_\_

### 10. 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 controls: \_

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: \_

## **11. Lab furnishings, engineering controls, and other equipment:**

Benches and cabinetry:

Biological safety cabinet(s):

Class, size, brand, number, intended use(s):

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 (ie, 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

## **12. Data and Communications**

Phone lines

Phone jacks (number and locations):

Ethernet access

Other communications/media issues and needs

## **13. Transferring Equipment or Supplies to Yale:**

If you are transferring equipment or supplies from your current institution to Yale University, please review the following:

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 & 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 costs of this work.
- "Ductless" fume hoods are prohibited unless prior approval granted by EHS.
- Contact EHS prior to shipping any hazardous materials to your new laboratory. This will ensure that 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's Restricted Items procurement policy for further information about prohibited or controlled materials (<https://your.yale.edu/restricted-items>)

## **13. Yale Contact Information**

Departmental Business Manager/Administrator:

Project Manager/Facilities Coordinator:

Office of Environmental Health & Safety: