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.

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<th>At Initial Start-Up</th>
<th>In 2 Years</th>
<th>In 4 Years</th>
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<td>Faculty and staff</td>
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<td>(including yourself)</td>
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<td>Graduate students</td>
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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)

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<th>Gas</th>
<th>Quantity</th>
<th>Purity</th>
<th>Estimated Consumption Rate</th>
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Is a compressed gas manifold system needed? □ No □ Yes

Any use of cryogens? □ 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: ____³H ____¹⁴C ____³²/³³P ____³⁵S ____
⁵¹Cr ____¹²⁵/¹³¹I 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 (e.g., 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 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):

________________________________________________________________________

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: