

## **Request for Proposals**

Notice is hereby given that Southern Illinois Research Park, Inc. is seeking proposals to establish a wet laboratory within the Southern Illinois Research Park, Carbondale, Illinois. Information about Southern Illinois Research Park and RFP packages are available online at [www.researchpark.siu.edu](http://www.researchpark.siu.edu). RFP packages are also available through February 18, 2011 at:

Southern Illinois Research Park  
150 East Pleasant Hill Road, Suite 103  
Carbondale, Illinois 62903

RFP packages are available for pickup between the hours of 8:00 a.m. and 4:30 p.m. CST. The submission deadline is 4:30 p.m. CST, Monday, February 28, 2011.

Southern Illinois Research Park, Inc. reserves the unconditional right to reject any or all proposals.

# REQUEST FOR PROPOSALS (RFP)

Southern Illinois Research Park  
150 East Pleasant Hill Road, Suite 103  
Carbondale, IL 62903  
618.453.3427

## Shared Equipment/Wet Laboratory

### ORGANIZATIONAL BACKGROUND

The Southern Illinois Research Park (SIRP) is a non-profit corporation affiliated with Southern Illinois University Carbondale (SIUC) promoting technology and knowledge-based enterprise development within the Park and the southern Illinois region. As a knowledge-based high-tech and research-oriented business park, SIRP is a member of the Association of University Research Parks (AURP). Its central activity is enterprise development to locate and expand knowledge-based, technology, and research oriented enterprises at the SIRP's site through recruitment and expert technical assistance to eligible existing and start-up enterprises.

### PROJECT SUMMARY

The purpose of the overall project is to convert two existing industrial rooms to wet laboratory space in the SIUC Small Business Incubator, located within the Southern Illinois Research Park. Research parks and business incubators are used to provide space for proof-of-concept advanced research or prototype development, pre- or post-venture, without significant expenditures to the client. These business start-up activities are usually low on available cash and can't afford significant leasehold improvement costs or are not in a financial position to purchase laboratory equipment for short-term use. Emerging technology-based firms in this region will benefit greatly from access to additional wet laboratory space and equipment. The project is a cooperative effort among the United States Department of Agriculture Rural Development program, the Delta Regional Authority, the SIUC Small Business Incubator program, and the Southern Illinois Research Park.

### SCOPE

The SIRP is seeking proposals from qualified vendors to provide requested laboratory equipment and casework to complete the build-out of two wet laboratories. An Equipment List is attached to this document. Funds for this component of the project are being made available through a grant from the United States Department of Agriculture Rural Business Enterprise Grant (RBEG) program to the Southern Illinois Research Park. All attachments to this RFP, specifying additional terms and conditions, are incorporated herein.

*Note: with the exception of the water system, all installation and necessary building modifications and/or improvements will be completed through Southern Illinois University Carbondale Plant and Service Operations.*

## QUALIFICATIONS

Respondents to the RFP must be able to provide all equipment specified in the Equipment List within the specified timeframe. The SIRP plans to issue one award through this RFP.

## NOTIFICATION

All official communications hereunder shall be in writing. Communications shall be sent by registered or certified mail (return receipt requested), or by an overnight courier service, or via email (delivery receipt requested), to the person and address listed below. Alternatively, written communications may be delivered to the SIRP address below during normal business hours, receipt required.

Dr. Kyle L. Harfst  
[kharfst@biz.siu.edu](mailto:kharfst@biz.siu.edu)  
Executive Director  
Southern Illinois Research Park  
150 East Pleasant Hill Road, Suite 103  
Carbondale, IL 62903

## SOUTHERN ILLINOIS RESEARCH PARK CONTRACT REPRESENTATIVE

Dr. Kyle L. Harfst  
[kharfst@biz.siu.edu](mailto:kharfst@biz.siu.edu)  
Executive Director  
Southern Illinois Research Park  
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## SOUTHERN ILLINOIS RESEARCH PARK TECHNICAL REPRESENTATIVES

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Ms. Lynn Andersen Lindberg  
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Associate Director  
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618.453.6754

## TIMEFRAME

January 30, 2011	Public notice of overall project and equipment RFP
February 18, 2011	Last day to pick up hard copy of RFP, 4:30 p.m. CST
February 28, 2011	Proposal receipt deadline, 4:30 p.m. CST
March 4, 2011	Contract awarded (tentative)
March 18, 2011	Shop drawings, cut sheets, etc. provided (tentative)
May 2, 2011	Delivery of all equipment & casework to job site by 1 p.m. CST

## **PROPOSAL**

The proposal should include all equipment and casework that is specified in the Equipment List. Additional requirements are enumerated in the RFP supplement. A preliminary floor plan is also included and should be consulted when preparing the proposal.

## **METHOD AND RATE OF PAYMENT**

Upon selection of a vendor and award of a contract, the SIRP staff will negotiate mutually agreeable payment terms with the successful vendor.

The Vendor agrees that the Southern Illinois Research Park's obligation to make payments under a resulting contract is limited and solely restricted to USDA RBEG grant funds, which are received and retained by the Southern Illinois Research Park in its own treasury and only available for expenditures by the Southern Illinois Research Park in support of certain activities in accordance with the referenced federal contract.

***Southern Illinois Research Park, Inc. reserves the unconditional right to reject any or all proposals.***



**Southern Illinois Research Park**  
**Shared Equipment Laboratory**  
**Equipment List**

Description	Specs/Notes	Qty
Autoclave	Table top autoclave with printer - Chamber 12"x18" 120v	1
Balance (Analytical)	Mettler XS Series analytical balance 220G capacity, 120v	1
Balance (Top Loading)	Mettler MS Series top loading balance 1.6KG capacity, 120v	1
Casework (Island Assembly)	Laboratory Casework, 11'6" x54" island, includes metal base cabinets, 1" black epoxy work surface, rubber base molding and stainless steel corners for over base molding. Color selection will be made at time of order.	2
Casework (Sink Assembly)	Sink Assembly, 36" wide, 35" high, painted steel base cabinet w/2 doors, epoxy top & sink (24"x16"x12"), goose neck hot/cold fixture included, epoxy back 4" back splash, back filler panels, color will be selected at time of order. Drying Rack, epoxy resin peg board 24"x30" w/various sized pegs included.	2
Casework (Wall Assembly)	Laboratory Casework, 10' cabinet runs, standing height painted metal, 30" deep, includes 3 base cabinets and 2 knee spaces. Each 10' cabinet run should also include: black epoxy work surface w/backsplash, back filler panels, rubber base molding, stainless steel outside corners at base. Color selection will be made at time of order.	5
Centrifuge	Laboratory Centrifuge, 3L capacity, refrigerated, swinging bucket rotor, 4 each 750ML buckets, 4 each 14 x 15ML conical tube adapters, 4 each 7 x 50ML conical tube adapters. 120v. Centrifuge must have the following capabilities: - 4800 RCF for swinging bucket rotor - 25,000 RCF for 48x2.0ML carbon fiber rotor (will be purchased at a later date) - 24,600 RCF for 6x100ML carbon fiber rotor (will be purchased at a later date) - 24,600 RCF for 8x50ML carbon fiber rotor (will be purchased at a later date) - 15,300 RCF for 6x250ML carbon fiber rotor (will be purchased at a later date)	1
Freezer (General Purpose)	General Purpose Laboratory Freezer, -20C, 20.6 cu ft, 4 shelves, leveling legs, manual defrost, single solid door, 120v	1
Freezer (Racks and Boxes)	Complete set of Stainless Steel Racks and 2" boxes w/10x10 dividers for 17.3 cu ft ULF -86C freezer.	1
Freezer (Ultra Low Temp)	Ultra Low Upright Freezer, dual exterior doors lockable, -86C, 17.3 cu ft, stainless steel interior, 220v	1
Hood (Biosafety)	Biosafety Hood, 6', must have the following features: - Rigid plenums (no bag style plenums will be entertained) - Angled sash for reduce back strain - Sash must be able to open all the way - Programmable UV light (will shut off after a period of time to save energy and bulb life) - duplex 120v outlet - Supply and Exhaust ULPA Filters - Pressure Sensor monitoring & Performance Monitor with flow compensation (motor will increase or decrease air flow automatically to maintain consistent air flow) - Adjustable height base stand - Stainless steel work surface that lifts out easily for cleaning	1
Hood (Fume)	Fume Hood, 6' w/fixtures (air, gas, vacuum and water), cup sink, spill stopper epoxy work surface, w/base cabinets for Acid storage and solvent storage (50/50 split), back filler panels, vent kit, exhaust duct transition to 12" duct, one blower motor to maintain 100 FPM face velocity and 1250 CFM for both hoods. 120v	2
Ice Maker	Ice maker, flake ice, minimum 160 lbs/day production, minimum 12 lbs ice storage, all 100% stainless steel parts that contact ice, air cooled, water filter included. 120v	1
Incubator	General purpose upright incubator, 33 cu ft, stainless steel interior w/3 adjustable shelves, Programmable logic microprocessor control, LCD display control panel with message center and continuous temperature display, solid door, Programmable ramp soak feature, Adjustable temperature control from +5° above ambient to 70°C on solid-door models, Air probe with air temperature high/low alarms, High/low audible and visual temperature alarms, Password protection (set points and parameters), Door-ajar alarm with adjustable delay time period, Remote alarm contacts, mechanical convection air flow, 120v.	1
Oven	Laboratory Oven 3.75 cu ft, gravity convection, 50° to 225°C, stainless-steel interior, 2 adjustable shelves, 120v.	1
Pallet Truck	Pallet Jack, nylon coated wheels, 5500 lbs capacity, hydraulic jack.	1
pH Meter	Benchtop pH meter, w/double junction electrode, electrode stand, power supply 120v, 3 decimal readout.	1
Refrigerator (General Purpose)	General Purpose Laboratory Refrigerator, 17 cu ft, 4 shelves, leveling legs, built-in condensate drain w/tray, single glass door, 120v	1
Safety Shower	Floor-Mounted Safety Station, combination eye wash & safety shower, two stream stay-on eye wash station, orange ABS plastic stay-on shower head.	2
Stirring Hotplates	Stirring Hotplates, ceramic 4"x4" top, digital temp display, 120V.	8
Table (Heavy duty mobile)	Mobile laboratory table, 36"x30"x1" epoxy resin top, adjustable height 29-38", weight capacity of 1500 lbs, heavy duty casters, painted steel frame. Color selection will be made at time of order.	3
Tool Kit	General Lab tool kit	1
UV/Vis Spectrometer	UV/Vis Spectrophotometer, 6 place carousel for cuvettes, must be expandable to provide Peltier temperature control, automation, and fiber optic sampling. Split-beam, quartz-coated optics, Long-life xenon, 190-1100nm, 5nm bandwidth, Large 3.5" x 2.5" LCD screen, <0.001A noise, Survey scan (100nm increments), Warranty: One year on instrument; lamp is warranted for three years of continuous use. 120v Pre-programmed with life science and kinetic assays.	1
Water Bath	Dual Chamber Stainless Steel Water Bath, 5L/10L capacity, acrylic cover, independent and separate controls, 120v.	1
Water System	5L/hr 18.2 megaohm water system with 30L tank, wall mounting brackets for both water system and tank, remote bench top dispensing gun that controls water system, will hook up to directly to city tap water, installation by manufacturer representative. 120v	1

**SUBMITTALS:**

1. As part of the proposal the vendor shall submit the following information to Southern Illinois Research Park for review:
  - a. A detailed list of all the equipment and casework that is included in the proposal. The list shall include manufacturer name and model numbers. The list shall also include all materials to be provided for the casework.
2. Within fourteen (14) calendar days following the award of a contract or purchase order for the work described in the Request for Proposal, the vendor shall submit the following information to Southern Illinois Research Park for review:
  - a. Shop drawings that show the layout of the cabinets, countertops, hoods and related fixtures. The layout shall include a floorplan, elevations and construction details identifying materials and sizes.
  - b. Samples of the various material finish options for color selection.
  - c. Information sheet (cut sheet) on each piece of equipment indicating electrical and any/all other utility requirements, size of equipment, ventilation requirements, power consumption and finish options.
  - d. Manufacturer's installation instructions for casework and equipment.
  - e. Manufacturer's warranty on casework and equipment.

**PRODUCT DELIVERY:**

Deliver the casework which includes: cabinets, counter tops, sinks, faucets and all related fasteners and accessories to the job site in the manufacturer's original unopened containers or wrappings with the manufacturer's name, brand name, project name intact and legible. All the casework shall be delivered on the same day. Delivery to the job site shall be no later than 1:00pm CST on May 2, 2011.

## Footnote for the Casework (Island assembly)

1. Base cabinets shall be standard 21 5/8" deep x 35 1/4" tall, back to back, full length of island, designed for installation with a accessible chase between backs of cabinets. Provide removable access panel on both ends of the islands. The cabinets shall be a mix of drawer and door units.

EXTERIOR WALL

METERING SEPARATOR  
G.P. FREEZER  
ULT. FREEZER  
INCL. BATOR

UTILITY TRENCH

PROPOSED CASEWORK

HOOD

LAB  
0177

PROPOSED CASEWORK

BIO. HOOD

HOOD

LAB  
0171

CART

CART

0100K CORRIDOR

CART

ENTRY



PRELIMINARY FLOOR PLAN

0" 4' 8' 16'



SCALE: 1/8" = 1'-0"

Physical Plant Engineering Services  
Service Shop #1, Room 0108, Mail Code 6727  
Southern Illinois University Carbondale  
210 Physical Plant Drive  
Carbondale, Illinois 62901  
Phone: (618) 453-6777  
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Bldg. Name / Project Description:  
**DUNN-RICHMOND BUILDING / SHARED EQUIPMENT LABORATORY**

Sheet Description:  
**PRELIMINARY FLOOR PLAN**

Bldg. No.: 0069  
Proj. No.: 10234  
Drawn By: HWW  
Checked By: BG  
Approved By: BG  
Date: 01/26/11

Sheet No.:  
**A1.0**  
1 Of 1 Sheets