Provide support of up to $50,000 for innovative pilot projects focused on a broad spectrum of research, and/or technology development applicable to human lung cancer risk, prevention, diagnosis, prognosis, or treatment.

**Award Amounts:** Up to $50,000 for one year commencing August 1, 2019.

**Purpose:** To provide seed money to investigators to support studies with a strong translational component that have the potential to evolve into, or be incorporated into, a full Yale SPORE in Lung Cancer (YSILC) project. Projects of more limited scope (e.g., for smaller amounts and/or for shorter periods of time) will be at no competitive disadvantage in the review process. Projects with multi-disciplinary collaborations and promising translational research potential will get favorable scores in review. The purpose is also to generate preliminary data or evidence of collaboration for new NCI grant applications.

**Eligibility:** Open to investigators who hold a faculty appointment at an academic institution who can be described by one of the following categories:

1) established investigators in lung cancer who wish to test an innovative, translationally-relevant idea not funded by current or pending grants/funds;
2) junior investigators holding a faculty appointment proposing innovative research in the arena of translational thoracic oncology that require preliminary data to apply for an R01 or equivalent research support;
3) independent investigators with a previous and/or current R01 or equivalent funding whose research to date has *not* been specifically directed at lung cancer, or even at cancer more generally, but who are interested in exploring the applicability of their particular expertise to lung cancer.

*Women and minority investigators are strongly encouraged to apply.*

**Requirements:** If a grant is awarded, the P.I. and all co-investigators must agree to abide by the attached Grant Guidelines (page 4) and to participate in the DRP/CEP Symposium to be held at Yale on Friday, April 17, 2020 (tentative date).

**Application Timeline:**

Letters of intent (LOI) are due
no later than **5:00 PM April 25, 2019**

Applicants who are invited to submit a full application will be notified by **May 17, 2019**

Full applications are due no later than **5:00 PM on June 28, 2019**

LOIs and full applications should be submitted at
https://www.cognitoforms.com/Yale1/LungSPORECDPDRPPilotAwards

Incomplete applications or those received after the deadline will not be considered.
Review Criteria and Process

These awards are intended to support innovative pilot projects with a significant translational research component focused on a broad spectrum of areas applicable to human lung cancer. Data or evidence of collaboration generated from these pilot projects should be used for new, peer-reviewed grant applications or to be considered for evolution or incorporation into a full YSILC project. The major review criteria for this award are translational potential, scientific excellence, and the likelihood that the proposed program will result in submission of a larger grant application, such as a R01, or on the potential for incorporation into the YSILC as a full project at the conclusion of the DRP award funding period. Proposed projects should meet the NCI’s definition of translational research as follows: **translational research uses knowledge of human biology to develop and test the feasibility of cancer-relevant interventions in humans and/or determines the biological basis for observations made in individuals with cancer or in populations at risk for cancer.** Applications will be subjected to a study section-style review by the executive committee of the YSILC and the YSILC advisory boards.

Types of Expenditure Allowed

- Salary support for investigators, lab personnel (No more than 25% effort (salary and fringe) for any personnel working on this research project)
- Contracted services
- Laboratory supplies and expenses, including animal costs and patient-related lab-tests
- Costs associated with use of YSILC Biospecimen Core and/or Biostatistics/Bioinformatics Core
- Publication costs

Types of Expenditures NOT Allowed

- Secretarial/administrative personnel
- Office equipment and supplies; Office and laboratory furniture
- Tuition
- Registration fees for scientific meetings
- Purchasing or binding of periodicals and books
- Dues and membership fees in scientific societies
- Purchasing equipment
- Travel expenses

APPLICATIONS FOR THIS GRANT DO NOT NEED TO BE SENT TO
THE OFFICE OF GRANTS AND CONTRACTS
LOI are to include:

1. A one-page letter of intent: listing the co-investigators (if applicable) and a concise description of the rationale, specific aims, research strategy, and impact of the proposed study.

Full Applications are to include:

1. A face page including the name and title of the P.I., institution, department, contact information, and title of the application. In addition, list all co-investigators (if applicable), their titles and departments.
2. A one-half page technical abstract of the proposed research (500 words maximum).
3. An NIH-style narrative description of the project (6-page limit for Specific Aims, Rationale, Preliminary Results, and Research Strategy).
4. A detailed budget, appropriately justified for proposed work (attached, page 5). This page must be signed by the P.I.’s business office.
5. NIH-style biosketch of P.I. and all other co-investigators
6. Other Support page for the P.I., including all active and pending support, and calendar months.
7. The status of Human Subject protocols. Protocols need not be approved prior to submission, but funding may not be made available until they are. Provide protocol number, approval date, approval period, and title.
8. The status of Vertebrate Animal protocols. Protocols need not be approved prior to submission, but funding may not be made available until they are. Provide protocol number, approval date, approval period, and title.
9. Identification of any proposed or potential collaborative associations with YSILC investigators, including anticipated utilization of YSILC Core Resources.
10. Identification of any links of participating investigators to commercial entities; if such associations exist, the individuals involved must provide written assurance that these interactions will uphold the principles of academic freedom, including their ability (and the ability of those associated with this work) to freely collaborate, including unrestricted exchange of research materials, and also that they will adhere to the intellectual property rights of the YSILC under NIH funding agreements and Bayh-Dole Act requirements.

NIH format restrictions apply (Arial 11 font; margins one-half inch all around). References are not included in the page limit. Supplementary appendix material will not be accepted.
Grant Guidelines

In order to responsibly manage funds, we have instituted the following guidelines regarding our grant programs. Acceptance of an award indicates agreement to abide by these guidelines. Failure to abide by these guidelines will jeopardize eligibility for future grants.

1. All publications resulting from research supported by this grant should contain an acknowledgement such as, “This research was supported in part by a Developmental Research Program Grant from the Yale SPORE in Lung Cancer (1P50CA196530).”

2. Written progress reports are required and must be provided by the specified deadline(s). Grantees will be notified at least two weeks prior to the deadline.

3. After the submission of progress reports, any additional publications or grants resulting from the grant must be promptly reported.

4. It is expected that the funds will be expended in full during the one-year duration of the grant. Spending will be monitored and unspent funds may be reclaimed if spending lags significantly.

5. Given the intent of this funding mechanism to result in an application for external funding, within one year, or for the potential of transition into a full YSILC project, no cost extensions are not encouraged; however, a single extension of up to 1 year without additional funds will be considered on a case-by-case basis upon written request with justification from the P.I. All such requests must be received no less than 30 days before the original end date of the grant.

6. All grant recipients must respond promptly to requests for information about their grant from the YSILC scientific leadership and administrative staff.

7. During the funding period, recipients may be asked to participate in a progress update meeting to describe their research, and are expected to accommodate these requests.
**COMPOSITE BUDGET FOR INITIAL BUDGET PERIOD**

**DIRECT COSTS ONLY**

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List PERSONNEL (Applicant organization only)

Use Cal, Acad, or Summer to Enter Months Devoted to Project

Enter Dollar Amounts Requested *(omit cents)* for Salary Requested and Fringe Benefits

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<th>ROLE ON PROJECT</th>
<th>Cal. Mths</th>
<th>Acad. Mths</th>
<th>Summer Mths</th>
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**SUBTOTALS**

CONSULTANT COSTS

EQUIPMENT *(Itemize)*

SUPPLIES *(Itemize by category)*

OTHER EXPENSES *(Itemize by category)*

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Print & Sign, Dept. Business Manager: ________________________________