



## About the Public Health and Public Policy Research Award

The American Lung Association nationwide research program is building on over 115 years of success as we continue to invest in the brightest, pioneering minds with potential to drive innovation, discover the unknown, and improve the lives of those living with lung disease. The Public Health and Public Policy Research Award was created to help stimulate and inform important public policy debates around healthy air, climate change and other public health issues related to the lungs and lung health. This award supports research on and evaluation of existing public policy and public health programs, as well as projects that inject innovative ideas into public policies impacting lung health.

## About the Funding Opportunity

The American Lung Association Public Health and Public Policy Research Award is intended to support research on and evaluation of existing public policy and programs, as well as pilot and demonstration projects that inject innovative ideas and provide evidence for the development of new public policies impacting lung health.

**This grant is not intended to support events, lobbying efforts, or legislative meetings The Public Health and Public Policy Research Award is for a maximum of \$50,000 per year for up to two years.** Grants are subject to annual review; the second year of support is based on demonstrating satisfactory progress, as well as the availability of funds from the Lung Association. Requested budget for salary and all other items needs to be justified and will be considered carefully by the review committee. Grant funds may be used for the salary and fringe benefit costs of personnel other than the Applicant.

## Key Dates

August 7, 2023	Applications accepted through proposalCENTRAL
December 15, 2023	Deadline is Friday, December 15, 2023 (11:59 PM, ET)
January- April	Peer Review Period
June 2024	Outcome notifications are sent to all applicants
July 1, 2024	Research term begins

## Important Notes

Applicants are limited to submitting only one application per annual cycle.

An applicant can be awarded this grant only once.

**This application is open to any level of research experience; independent, self-directed researchers, or early researchers who are on-track to pursue a career in lung disease research with a mentor.**

### **Independent Researcher Education and Experience Eligibility**

At the time of application, an applicant must hold a doctoral degree and have a full-time faculty appointment at an academic institution (or equivalent in research institutions not formally associated with a university), and have completed a training fellowship or relevant terminal professional degree such as an MPH. Applicants may be; independent, self-directed researchers for whom their institution must provide space and other resources customary for independent investigators. The application must convey the commitment of the institution to the applicant and the proposed research activities for the duration of the grant. The application is open to researchers in public policy, economics, political science, sociology, law, and related disciplines.

No more than 50% of the requested budget may be used for an awardee's salary and/or fringe benefits and no more than 30% of the total award budget may be used to fund the purchase of permanent equipment. Grant funds may be used for the salary and fringe benefit costs of the Applicant and personnel other than the Applicant. Additional permitted expenditures can include purchase of large data sets.

Applications may include plans for public dissemination of the work which may include information on how to use findings to support and can promote important policy changes.

### **Mentored Researcher Education and Experience Eligibility**

These applicants should be on-track to pursue a career in lung disease research with a mentor who has a demonstrated history of research experience and mentorship. The application must include a letter from their department chair or institutional equivalent that conveys the commitment of the institution to the applicant and the proposed research activities. Fellows and PhD post-docs are eligible to apply only if their Department Chair can assure a promotion to faculty status by the start of the award. The application is open to researchers in public policy, economics, political science, sociology, law, and related disciplines.

No more than 75% of the requested mentored researcher budget may be used for an awardee's salary and/or fringe benefits and no more than 30% of the total award budget may be used to fund the purchase of permanent equipment. Grant funds may be used for the salary and fringe benefit costs of the Applicant and personnel other than the Applicant. Additional permitted expenditures can include purchase of large data sets.

### **Areas of Interest**

Applications may include plans for public dissemination of the work which may include information on how to use findings to support and can promote important policy changes. Applications may include plans for public dissemination of the work which may include information on how to use findings to that can support and promote important policy changes. Investigational areas of interest are broad and include, but are not limited to:

- Tobacco Control: Examples could include impact of policy on tobacco consumption, initiation and cessation in youth and adults; impact of smokefree multi-unit housing requirement; use of electronic nicotine delivery systems (ENDS) or other novel product; tobacco 21 and impact on consumption; flavored tobacco prohibitions or perceptions and impact of new and emerging products.
- Air Quality/Climate Change: Examples include, evaluating the effectiveness of indoor and outdoor air quality interventions; including investments in zero emission technology and infrastructure, radon; impact of indoor or outdoor air quality on lung health; impact of regulations on power plant emissions, vehicle emissions or other sources; health outcomes in response to air quality improvements; climate change policy climate change policy and air pollution or lung health. and lung health including lung cancer, COPD, asthma.
- Lung Health Policy: Examples include impact on people at risk for or with lung disease of legislative or regulatory policy changes (proposed or enacted) with a focus on lung cancer, COPD, asthma or other respiratory diseases health systems change; analysis of guidelines-based care coverage; disparities in coverage.
- Disparities: Examples include health care disparities and outcome studies that explore innovation in models of health service delivery and policy; the environmental, social, behavioral, cultural aspects of disparities/inequalities and their interactions; communication and disparities, including health literacy.
- Access to Care: Examples include impact on people at risk for or with lung disease of legislative or regulatory changes on access to care, with a focus on lung cancer, COPD, asthma or other respiratory diseases health systems or public health change; analysis of guidelines-based care coverage; coverage for or utilization of immunizations; disparities in coverage.
- Modeling: Examples include development of risk models for developing lung disease; analysis of models to facilitate health care decision-making concerning lung health.
- Informatics: Examples include analysis of large data bases to understand policy impacts on lung health; data synthesis to generate knowledge and evidence which can guide policy.

## Eligibility Requirements

### Visa Status/Citizenship

At the time of application, candidates must be United States citizens or foreign nationals holding one of the following visa immigration statuses: permanent resident (**Green Card**), exchange visitor (**J-1**), temporary worker in a specialty occupation (**H-1B**), Canadian or Mexican citizen engaging in professional activities (**TN**), Australians in Specialty Occupation (**E-3**) or temporary worker with extraordinary abilities in the sciences (**O-1**). At the time of application and throughout the award, an applicant must be employed by a U.S. institution.

## Peer Review

Applications determined by administrative review to be eligible for funding will go through a rigorous external peer review process. Factors considered when reviewing applications include:

- Merit, feasibility, and relevance to the mission of the American Lung Association
- Potential impact and plans for dissemination and translation
- Likelihood that the project will produce information that results in updates to current policy or development of new policy
- Applicant's qualifications and background
- Applicant's research environment

## Application Guide

The American Lung Associations used the e-grantmaking website, proposalCENTRAL, to process all awards and grants applications. Please access this website at:  
<https://proposalcentral.altum.com>

For questions about the electronic application process, e-mail: [pcsupport@altum.com](mailto:pcsupport@altum.com)

## PROPOSAL SECTIONS

### Section I- Title Page

To initialize your application, enter a title for your project.

The project start and end dates are automatically entered for you as we do not allow flexible start dates. The American Lung Association award period is July 1, 2024 to June 30, 2026.

If you are resubmitting the same or similar proposal previously reviewed by the American Lung Association complete the information requested. (You will be asked to select the appropriate application from a list of prior submissions, submitted through ProposalCentral to the American Lung Association.)

**Resubmissions:** A resubmission is considered an application previously reviewed and not funded in prior application cycles. An applicant who is unsuccessful in a competition may resubmit the same or similar application once.

### Section II- Download Templates & Instructions

### Section III- Enable Other Users to Access this Proposal

This section allows you to give other users access to your grant application. When you give a person access to your grant application, you can give them one of three levels of permissions: View (cannot change any details), Edit (can view and change information in the grant application, but cannot submit or view the access permission page), or Administrator (can view, edit and submit the application, as well as give access rights to others).

#### **Section IV- Applicant Contact Information**

The person who creates the application is the default Applicant. Contact information from this person's Professional Profile, including primary institution affiliation, is automatically loaded to this section of the application. As all American Lung Association correspondence occurs with the Applicant, please provide the correct contact information for the applicant. The Sponsored Research Program Office is NOT acceptable.

To change the Applicant and the institution affiliation, choose from the list of available names and institutions. For privacy reasons, the list contains only the following: the name and institution of the person who created the application and the names of individuals included in the Access Permissions section of their Professional Profile (such as administrators at the institution). If, after changing the Applicant you need to update the contact information that appears below it, you can click 'EDIT PROFESSIONAL PROFILE' to go directly to your Professional Profile. You can exit this screen and select the 'PROFESSIONAL PROFILE' tab from the proposalCENTRAL management window and changes will be automatically uploaded to the Applicant screen.

**Complete all the required fields that are marked with a red asterisk.** If the required fields are incomplete or incorrect, changes must be made in the Applicant's Professional Profile. You can go directly to the selected Applicant's Professional Profile by clicking the button 'EDIT ACCOUNT INFORMATION.' Alternatively, you may exit the Applicant's section and use the Professional Profile tab in your proposalCENTRAL management window which is usually located in a different proposalCENTRAL browser window than the application. **The percent of Applicant's total effort currently devoted to each of the listed activities must be indicated before going on to the next section.**

#### **Section V- Citizenship and Optional Demographics**

The American Lung Association is committed to diversity, equity and inclusion as core values. As part of that commitment, we aim to assess whether the Association is providing grant opportunities to lung researchers and providers of all backgrounds, track the effectiveness of our application recruitment efforts, and ensure we consider the needs of all applicants. To assist in these efforts, we invite you to provide certain demographic information. You have the option of selecting "prefer not to disclose" in response to the questions. However, the demographic information is critical to helping us measure the validity of our selection procedures. The information you provide will be kept confidential. Aggregate data will only be used to identify gaps and opportunities for engaging a diverse group of applicants in the future. No identifying demographic data will be shared with reviewers or Association staff.

#### **Required Citizenship**

At the time of application, candidates must be United States citizens or foreign nationals holding one of the following visa immigration statuses: permanent resident (**Green Card**), exchange visitor (**J-1**), temporary worker in a specialty occupation (**H-1B**), Canadian or Mexican citizen engaging in professional activities (**TN**), Australians in Specialty Occupation (**E-3**) or temporary worker with extraordinary abilities in the sciences (**O-1**). At the time of application and throughout the award, an applicant must be employed by a U.S. institution.

## **Section VI- Institution and Contacts**

The institution of the Applicant will be as selected as the default Institution and will have primary contractual responsibility for the grant if awarded. Institution information is pre-loaded to this section of the application. NOTE: If the required fields marked by a red asterisk are incomplete or incorrect, changes must be made in the Institution Profile. To change the Institution, choose from the list of institutions and press the button 'CHANGE INSTITUTION'. Initially, the list contains only the following: the current institution, the institutions that you listed in your Professional Profile, and any other institutions that include your UserID in their Access list. Use the 'SEARCH' option to search the other institution profiles available in proposalCENTRAL. Results of the Search will be added to the list of institutions. To change the Institution choose from the new list of institutions and press the button 'Change Institution'. If, after changing the Institution you need to update the contact information that appears below it, contact the Grants and Contracts office of your institution to update the Institution Profile or call Customer Service at proposalCENTRAL at 1-800-875-2562 or email pcsupport@altum.com for assistance.

Next, choose the appropriate institutional officials for the particular grant program; (\*) indicates a required contact. There are two ways to enter contact information for the requested contact - you can select from the list of Institutional Officials from the Institution Profile of the Institution selected at the top of this page OR enter an email for the appropriate contact and complete and save the form. When you have selected the appropriate institution officials, click the red 'ADD' button. The contact information is loaded into your proposal and the contact will be shown in the table below. Be advised that the contact form may be pre-filled with some information if the email you entered is already associated with a proposalCENTRAL user.

## **Section VII- Key Personnel**

The applicant is responsible for listing all personnel who will have a significant role with the research project (i.e., will have impact on project content, data collection, data interpretation). Mentors must be listed as Key Personnel. DO NOT list the applicant in this section.

## **Section VIII- Letters of Recommendation Required for Mentored Applicants**

All applicants must provide three letters of recommendation. Duplicate letters from the same person are not accepted and may be grounds for an application to be administratively withdrawn.

One of the three letters must be written by the applicant's Mentor and labeled as such. The Mentor's letter must:

- Provide brief description of applicant's prior training and research experience
- Specific career development activities and coursework planned
- Outline how mentoring will be delivered and the role the mentor(s) will play in the applicant's development
- Discuss how the applicant's career development will be monitored (such as specific milestones, etc.)
- Provide your mentoring experience/history

Letters of Recommendation are critically important and should address the candidate's competence and potential to develop into an independent investigator. The recommendation letters should be from individuals not directly involved in the application, but who are familiar with the applicant's qualifications, training, and interests. Only individuals who can make the most meaningful comments about the candidate's professional training and qualifications for a research career should be used as referees.

Steps for the Applicant to Contact the Referee:

- Enter the email address of the referee in the text box provided and click '+' to add.
- A small window will open; enter the Last Name and First Name of the referee. If the referee is already registered in proposalCENTRAL, the name will automatically display in the window.
- Click the red 'SEND EMAIL' button and 'CLOSE WINDOW.' An email will be sent to the referee from proposalCENTRAL requesting a Letter of Recommendation. The email will include instructions and a link for the referee to upload the completed Letter of Recommendation, directly to your grant application.

You will see that once the email has been sent, referee information will be displayed in the accompanying table. You can refer to this table to check on the status of the letters that have been uploaded to your application. When each of the letters is uploaded, the status will display as 'SUBMITTED.' You may want to check periodically on the status of the referee letters. Letters of Recommendation are to be completed and signed on institutional letterhead and 'UPLOADED' to the applicant's application in proposalCENTRAL by the Referee. Electronic signature is permitted. After the applicant submits the application, letters of recommendation cannot be changed. The referee will not have access to any portion of your grant application in the upload process.

Please note: Recommendation letters are separate from the Department Head Statement required as part of the Research Plan. **A mentored application must have a total of four letters (three recommendations and one Department head statement).**

## **Section IX- Application Questions**

### **Significance to the American Lung Association Mission**

Describe how your proposed research project will help support the American Lung Association's mission "To Save Lives by Improving Lung Health and Preventing Lung Disease."

If your application is a resubmission, explain how this application differs from past submissions. Indicate how you incorporated previously received critiques into your research plan.

## **Section X- Project Summary**

### **General Audience Summary**

Provide a succinct and accurate description of the research project in non-scientific terms that could be clearly understood by a general audience. Do not include any proprietary or confidential information.

### **Technical Audience Summary**

Provide an abstract of the research project in technical terms that would be appropriate for experts in the field. Do not include any proprietary or confidential information.

### **Scientific and Research Categories**

Select the most appropriate category(s) for your proposed project in order of relevance. Select choices carefully as they will partially be used to facilitate selection of scientific peer reviewers.

## **Section XI- Resources**

**Facilities:** Specify the facilities and how they will be used for the conduct of the proposed research.

## **Section XII- Budget Period Details**

Please enter a detailed budget for your project. The second year of funding is contingent on the successful completion of first year reporting. Indirect Costs are not allowed for any American Lung Association Award.

No more than 75% of the requested budget may be used for an awardee's salary and fringe benefits, and no more than 30% of the total award budget may be used to fund the purchase of permanent equipment. Grant funds may be used for the salary and fringe benefit costs of personnel other than the Applicant.

Permanent equipment is defined as an item whose primary function is related to research project and ordinarily has a usable expectancy of one year or greater.

## **Section XIII – Budget Summary and Justification**

Submit a budget and justification for your research project. Awards are only given in one-year increments but all awardees will be given the opportunity to renew their project for a second year of funding. Funding is contingent on individual progress during the award year and the availability of funds. Applicants must request an amount appropriate for the specific award.

**Personnel:** For awards there is an institutional salary limitation of \$212,000. Fringe benefits may be requested provided such are treated consistently by the applicant's organization as a direct cost. No more than 75% of funds may be used for a mentored awardee's salary and/or fringe benefits. There are no salary caps for other personnel. No more than 50% of funds may be used for an independent awardee's salary and or/fringe benefits.





**Equipment:** Itemize equipment with costs. Permanent equipment is defined as an item whose primary function is related to the research project, and ordinarily has a usable life expectancy of one year or greater. No more than 30% of the total award budget may be used for the purchase of permanent equipment.

**Supplies:** Itemize supplies with costs. For example, indicate the number of experimental animals to be used, unit cost per animal, and cost for daily use.

**Discretionary Funds:** No more than \$2,500 per annum may be used for travel or publication costs directly related to the American Lung Association- funded project and within the scope of the award terms and conditions.

**Other Project Support Expenses:** No award shall be used for the purchase of furniture, computers, the construction or renovation of facilities, payment of honoraria, membership dues or tuition, purchase of textbooks or periodicals or payment for secretarial support.

Total Costs may not exceed allowable award amounts. Correct arithmetic is the applicant's responsibility.

**Resources:** Describe the institutional resources available for the project.

**Facilities:** Specify the facilities to be used for the conduct of the proposed research. Indicate the performance sites and describe capacities, pertinent capabilities, relative proximity, and extent of availability to the project. Under "Other," identify support services such as machine shop, electronics shop, and specify the extent to which they will be available to the project. Use continuation pages if necessary.

**Equipment:** List the most important equipment items already available for this project, noting the location and pertinent capabilities of each.

#### **Section XIV- Other Support**

Using the template provided, list any and all active and pending support for each key personnel. No page limit applies to the Other Support information.

Other Support includes all financial resources, whether Federal, non-Federal, commercial or institutional, available in direct support of an individual's research endeavors, including but not limited to research grants, cooperative agreements, contracts, and/or institutional awards. Please specify who the Primary Investigator is for all other support listed. Prizes or gifts do not need to be included.

The American Lung Association will not award funds to duplicate any work that is being supported by other funding agencies. Budgetary overlap is not permitted; however, scientific overlap will be evaluated on an individual basis. In cases of significant scientific overlap a successful applicant will have the option to choose between the American Lung Association award and that of the other organization or agency.

### **Section XV- Assurances**

All research funded by the American Lung Association must comply with federal requirements regarding the use of human subjects, animals or biohazards in research. It is recommended that applicants submit projects to the appropriate Review Board at the time of application or before.

#### **Human Subjects and Stem Cells**

Applicants/ awardees conducting research on human subjects and/or human stem cells must comply with the provisions of the United States Department of Health and Human Services 45 C.F.R. pt. 46 to the same extent as each would were the research funded by the National Institutes of Health.

Indicate whether the proposed project involves Human Subjects. If so, add the institutional OHRP Assurance Number as well as the individual proposal IRB status – “approved”, “exempt” or “pending”. If approved or exempt, please provide the corresponding date of approval or exemption.

#### **Animal Use**

The American Lung Association allows animal use in biomedical research only when no other means of obtaining scientifically sound, valid and useful results are available. Applicants/ awardees must comply with the Public Health Service Policy on Human Care and Use of Laboratory Animals and the National Research Council Guide for the Care and Use of Laboratory Animals to the same extent as each would were the research funded by the National Institutes of Health.

Indicate whether the proposed project involves vertebrate animals. If so, add the institutional Animal Welfare Assurance Number as well as the Institutional Animal Care and Use of Committee (IACUC) status – “approved”, “exempt” or “pending”. If approved or exempt, please provide the corresponding date of approval or exemption. Also, indicate whether or not the institution has been accredited by the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC). Applicants from institutions that do not have an IACUC or accreditation from the AAALAC are not eligible to apply.

#### **Biohazards**

Biohazards are broadly defined to be recombinant and/or infectious and tumor materials that may be deleterious to normal organisms upon controlled exposure.

Indicate on the electronic application the Institutional Biosafety Committee (IBC) status. If approved, please provide the corresponding date of approval on the electronic application. If “exempt” from IBC approval within your institution, place “exempt” and the date the exemption was approved.

### **Section XVI- Publications**

### **Section XVII- Research Plan and Other Supporting Documents**

### **Language and Format Requirements**

All applications must adhere to the following language and format requirements. Not adhering to these requirements may result in an application being administratively withdrawn.

- a. The applicant's name should always be in the top 'HEADER' portion. Use English only and avoid jargon and any unusual abbreviations. Your application should read like a Scientific American journal article.
- b. Use Arial 11 point font size, the NIH-suggested font, unless otherwise specified in the instructions for a specific template.
- c. Figures, charts, tables, figure legends, and footnotes may be smaller in size but they must be clear and legible.
- d. Attached files should be no larger than 3-5 MB to facilitate review of the application. Very large files can make a full and comprehensive review of the application difficult. The objective is to find a balance between the content of your application and file size.

### **Uploading to Online Application**

Attachment files must be submitted and uploaded to electronic application as PDF files. Once attachments are uploaded, you will get a confirmation message and see that your file is now listed in the "Uploaded Attachment" section of the screen. Two links are available in each row of an uploaded attachment: DEL and SHOW. "Del" allows you to delete the file, if necessary, and "Show" opens the uploaded file. It is strongly recommended that you open and review your uploaded file. If, for any reason, you wish to modify the file, make the revisions in the original document (offline), convert the file to PDF and once again, attach the newly revised file. Remember to delete any previously submitted versions of the file.

### **Biographical Sketch**

Using the template provided, submit biographical sketches for the applicant and all key personnel listed in Section 6, including the applicant's mentor. Biographical Sketches must not exceed four (4) pages for each person and should provide the following information about each key person, starting with the applicant:

**Personal Statement:** Briefly describe why your experience and qualifications make you particularly well-suited for your role in the project that is the subject of the application. Also, briefly describe any changes in primary field of interest and/or career gaps due to personal or professional circumstances that may have affected your scientific advancement or productivity.

**Positions and Honors:** List in chronological order previous positions, concluding with your present position. List any honors.

**Contributions to Science:** Address the historical background that frames the scientific problem; the central finding(s); the influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology; and your specific role in the described work.

**Selected peer-reviewed publications (in chronological order and no more than 15):** Do not include manuscripts submitted or in preparation; abstracts or posters. Please choose selected publications based on most recent, importance to the field, and/or relevance to the proposed research.

**Research Support:** List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

**Specific Aims:** State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved. The Specific Aims section must not exceed one (1) page.

List succinctly the specific objectives of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.

Aims must not be too general, such as “To define the determinants of maximal expiratory flow,” but rather “To study the influence of static lung recoil on maximal flows.” Your statement should be limited to what can be accomplished during the award period.

**Research Strategy:** Organize the Research Strategy in the specified order using the instructions provided below. Start each section with the appropriate section heading — Significance, Innovation and Approach. Cite published experimental details in the Research Strategy and provide the full reference in the References section. Applicants are limited to 6 pages.

### **Significance**

- Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses.
- Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.
- Describe how the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field will be changed if the proposed aims are achieved.
- Explain how this research will impact your future goals or directions, as long as a clear distinction is made between your immediate and long-range plans.

### **Innovation**

- Explain how the application challenges and seeks to shift current research or clinical practice paradigms. This provides an opportunity to demonstrate your knowledge and ability in this area, and to synthesize large volumes of information into a succinct and cohesive statement.
- Describe any novel theoretical concepts, approaches or methodologies, instrumentation or interventions to be developed or used, and any advantage over existing methodologies, instrumentation, or interventions. Clearly synthesize your own contributions to the field, and demonstrate your relative stature in the area.
- Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation, or interventions.

### **Approach**

- Explain why you have chosen to address a particular portion of the overall problem and why you have chosen a particular approach. Discuss your preliminary studies, data and/or experience pertinent to this application and specify all novel data.
- Describe the overall strategy, methodology, and analyses to be used to accomplish each of the specific aims of the project. For each aim, include how the data will be collected, analyzed, and interpreted (e.g., number of experiments, types of measurements to be made).
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims. This should include discussion of what you will do if conflicting and contradictory data are obtained.
- If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work.

**Assurances:** State concisely how assurances will be met within the confines of the proposed research project.

**Human Subjects:** When human subjects or material obtained from such subjects are used in the proposed project, the application must state how the rights and welfare of the individual subjects are protected and assured. Include consent forms and questionnaires in appendix, if applicable. If the proposed research project involves human subjects, the population sampled shall be inclusive of the general population, of relevance to the scientific question posed, without restriction in regard to gender, race, age, and socioeconomic status. Proposals that intentionally restrict the population sampled must include a compelling scientific rationale for such design.

**Animal Use and Justification:** When animals are used in the project, the application must include a succinct and complete description of the following five points:

- Provide a detailed description of the proposed use of the animals in the work outlined in the Research Strategy section. Identify the species, strains, ages, sex, and numbers of animals to be used in the proposed work.
- Justify the use of animals, choice of species and numbers to be used. If animals are in short supply, costly, or to be used in large numbers, provide an additional rationale for their selection and numbers.
- Provide information on the veterinary care of the animals involved.
- Describe the procedures for ensuring that discomfort, distress, pain, and injury will be limited to that which is unavoidable in the conduct of scientifically sound research. Describe the use of analgesic, anesthetic, and tranquilizing drugs and/or comfortable restraining devices, where appropriate, to minimize discomfort, distress, pain, and injury.
- Describe method of euthanasia to be used and the reasons for its selection. State whether this method is consistent with the recommendations of the American Veterinary Medical Association (AVMA) Guidelines on Euthanasia. If not, include a scientific justification for not following the recommendations.

### **Biohazard Materials**

When biohazard materials, defined as recombinant, infectious and tumor selected agents (i.e. radioisotopes) that may be detrimental to normal organisms upon controlled exposure are used:

- Describe procedures that will be used to monitor possession, use and transfer of the Select Agent(s).
- Describe plans for appropriate biosafety, bio-containment and security of the Select Agent(s).
- Describe the bio-containment resources available at all performance sites.

**References:** References must not exceed five (5) pages.

**Appendix:** May contain additional and relevant material such as letters of support, questionnaires and/or consent forms. No other material such as preliminary data, photographs/images or publications, is allowed in the appendix.

### **Sponsor/Department Head Statement Letter**

Please note: The Sponsor and/or Department Head Statements are separate from the three Letters of Recommendations required. A Department Head Letter on institutional letterhead is required.

### **Content of Department Head Statement:**

1. State the applicant's current and projected status during the initial term of the award.
2. State the applicant's faculty or professional title and from what academic institution does the applicant currently hold his/her appointment. The Department Head Statement must be explicit as to whether or not the applicant currently holds their appointment, and/or if the applicant will be promoted between the time of application and award commencement. Without the confirmation of status, the applicant will be disqualified.
3. State the applicant's future path at your institution and plan for academic development.
4. State your department's financial and space commitment to the applicant's career, and to the American Lung Association's project being submitted.
5. Describe the intellectual environment and your involvement in the applicant's award.
6. Guarantee that the budget does not overlap with any existing or pending support of the application's collaborations (including NIH-type other support information, from all collaborating scientists).
7. State minimum percent of overall effort and guaranteed time to be protected for research.
8. State whether you also function as the applicant's mentor.

### **Section XVIII- Validate**

Click the 'VALIDATE' link (from any page of the online application). Validate checks for missing required information or files. Any missing required information will be listed on the screen. All required information must be supplied before you can Submit an application.

## **Section XIX- E-Signature and Download Application**

### **Certification Form**

Prior to submitting an application, an applicant must obtain signatures (electronic signature) from key officials certifying compliance with American Lung Association policies and requirements including the Following Conflict of Interest Clauses:

**Tobacco Use:** The American Lung Association will not provide research or other funding to investigators who have received direct funding or funding from agencies of the tobacco and e-cigarette industry.

**Financial Disclosure:** American Lung Association applicants/awardees must comply with the provisions of the United States Department of Health and Human Services regulations on financial conflicts of interest 42 C.F.R. pt. 50, Subpt. F to the same extent as each would were the research funded by the National Institutes of Health. In general, the purpose of the Conflict of Interest policy is to ensure that there is no possibility that an applicant or their family will receive financial gain as a result of American Lung Association supported research.

**Section XX- Submit (Last Step)** American Lung Association requires all applications to be submitted electronically through proposalCENTRAL. Once you have completed and validated your application, you can then 'SUBMIT' electronically to proposalCENTRAL. The deadline for submission: December 15, 2023.