

THE CHARLES A. AND ANNE MORROW
LINDBERGH  **FOUNDATION**
BALANCING TECHNOLOGY AND THE ENVIRONMENT

Dear 2012 Lindbergh Grant Applicant:

It is our great pleasure to invite you to apply for a Lindbergh Grant, which funds research and educational projects that strive to balance technology and the environment. Please note that the Foundation does not fund scholarships or tuition reimbursement. The application deadline is June 9, 2011, for funding in 2012.

Over the last 33 years, the Lindbergh Foundation has endeavored to honor the Lindberghs' legacy by funding innovative research projects that foster the environment and keep the planet in balance. Each year, the Lindbergh Foundation awards approximately 10 grants in amounts up to \$10,580 each. Over the years, Lindbergh Grants have become increasingly well known, supporting innovative ideas often at an early stage in their development and establishing pilot projects that subsequently receive significant additional funding from other sources. The Board of Directors is encouraging greater emphasis on aviation-environmental related projects and a copy of the mission and vision of the Lindbergh foundation is found on the next page. You are also invited to visit our web site at www.lindberghfoundation.org to learn more about our history, mission and programs.

Respect for the Lindbergh Foundation has grown over the years due to the thorough review process each application receives. The application must pass a staff review for completeness and appropriateness, and a 'balance' review prior to being submitted for technical review, so writing in layman's terms, especially in sections 9 and 10, is beneficial. Although our heritage and interest are in the area of flight our objective is to facilitate solutions that benefit the larger world. Make certain that you clearly reveal in your balance statement how your project and the future results of your work will demonstrate a balance between the advancement of technology and the preservation of the human/natural environment. In some instances, current technology used in a new field or new use of existing technology or even limiting or reversing advancements can bring balance to a particular issue. If this is true in your work, please clearly identify that concept within your balance statement. Make sure you follow the guidelines and submit a complete application. Projects that are most often selected for funding by the Lindbergh Foundation Board of Directors have applications with concise and clearly stated objectives and procedures, and include language that even the non-scientist or the non-medical person can easily understand. Your endorsers submit their reports separately, so follow-up may be necessary. Above all, please help us understand the importance of your work by quantifying your expected results.

Thank you for your interest in the Lindbergh Grants program and we look forward to receiving your application. **Note: In addition to the five required paper copies, you are also required to submit the application in PDF format to 2012App@lindberghfoundation.org. Please label the PDF file with the Principal Investigators last name, first name and year (2011).**

Sincerely,



Gregg Maryniak
Chairman
Grants Selection Committee



Shelley L. Nehl
Grants Administrator

LINDBERGH FOUNDATION

Vision

The Charles A. and Anne Morrow Lindbergh Foundation has grown from roots in the grandest technological invention of modern history -- human flight -- and from the beginnings of a profound realization of philosophy -- that we humans are responsible for the health of our planet. Those two threads of aspiration and concern are represented by the goals of the man and woman this Foundation honors.

Often these threads of flight and Earth are seen to be in conflict -- technology versus nature. The Lindbergh Foundation sees it differently. We believe in the need for balance, in which the weight of neither of these ideas overwhelms nor suffers from the weight of the other, and the combination lifts us to achievement. We believe humans are toolmakers by nature, and that saving the planet and building a better future for all life requires us to value, refine, use, and adapt the greatest of inventions to serve the greatest of needs.

Through our past we are uniquely prepared to understand that balance, and through our experience and goals we are uniquely equipped to help find it.

Mission

We celebrate, advocate and facilitate scientific and technological ingenuity by:

- Serving as a community resource for the exchange of information
- Fostering research, education, and special projects
- Communicating the importance of science and technological solutions for environmental challenges

APPLYING FOR A 2012 LINDBERGH GRANT

Please read the application form thoroughly and completely before contacting the Foundation staff with questions. You should find most questions, not specific to your project, will be answered in the Application Instructions, or you may refer to 'Frequently Asked Questions' located in the 'Grants Program' section of our website: www.lindberghfoundation.org/docs/index.php/our-grants/faq.

Eligibility: Lindbergh Grants are awarded to individuals for research or public education projects, not to affiliated organizations for institutional programs. **The Foundation does not provide support for overhead costs of organizations, tuition, or scholarships.** The Foundation welcomes candidates who may or may not be affiliated with an academic, non-profit or for-profit organization. Candidates for grants are not required to hold any graduate or post-graduate academic degrees. The Lindbergh Grants Program is international in scope and citizens of all countries are eligible. All forms must be submitted in English

Important Dates:

- Application and Endorser's Reports must be postmarked by **Thursday, June 9, 2011**. It is the responsibility of the applicant to submit a complete proposal and to ensure that Endorser's Reports are sent by the deadline. If you or an endorser desires delivery verification, arrangements must be made directly with the delivery service of your choice.
- Receipt of your application will be confirmed via e-mail by Lindbergh Foundation staff no later than July 14, 2011. If you do not receive this notification, you should assume that it was not received and contact our office immediately.
- Notice of your status in the selection process will be confirmed no later than April 13, 2012

Send:

- Five (5) copies of your completed application (response to questions 1-18) to:

The Charles A. and Anne Morrow Lindbergh Foundation
2150 Third Avenue North, Suite 310
Anoka, MN 55303-2200

- Using the actual application form is not required as long as the format provided is followed. For your convenience, the complete application form may be downloaded from our website.
 - One copy of the application must contain the original signatures of the Principal Investigator and the Official of Affiliated Organization (if applicable). We encourage the use of double-sided copies to reduce paper and postage costs.
 - Fax copies are not acceptable.
- One (1) PDF (no larger than 2MB) of your application to 2012App@lindberghfoundation.org. Please identify the file with the Principal Investigator's last name, first name, and the year 2012 (i.e. SMITH, John 2011).
 - Five (5) copies and one (1) PDF of each Endorser's Report are to be forwarded to the Foundation by the endorser.
 - Fax copies are not acceptable.
 - Via e-mail, any changes to your contact information throughout the duration of the review process.

Note: Applications that are funded generally have interim and final reporting requirements including both narrative and financial information. Proof of safe transfer of funds outside the U.S., if applicable, is required.

LINDBERGH FOUNDATION

2012 GRANT APPLICATION

1. CATEGORY OF GRANT APPLIED FOR: Primary: _____
Secondary: _____

2. PROJECT TITLE (stated in non-technical terms): _____

3. PRINCIPAL INVESTIGATOR (One person only. Indicate additional investigators under no. 16):

Name (last, first): _____

Job Title: _____

Affiliation: _____

Preferred Address: _____

Country: _____

Telephone: (Office) _____

(Home) _____

Fax: _____

E-mail: _____

Website: _____

Alternate/Permanent Address:

4. ORGANIZATION OF AFFILIATION DURING PROJECT (if applicable): _____

5. AMOUNT OF FUNDING REQUESTED: (maximum of \$10,580) _____

6. DATES OF PROJECT (funding begins 7/12: _____ to _____

7. NAME, TITLE, ADDRESS, TELEPHONE AND E-MAIL OF TWO ENDORSERS (see no. 18):

Name: _____	Name: _____
Title: _____	Title: _____
Address: _____	Address: _____
_____	_____
_____	_____
Telephone: _____	Telephone: _____
E-mail: _____	E-mail: _____

8. SIGNATURE OF PRINCIPAL INVESTIGATOR

_____ Date: _____

SIGNATURE OF OFFICIAL OF AFFILIATED ORGANIZATION (if applicable)

_____ Date: _____

9. Please indicate how you first learned about the Lindbergh Grants program: _____

For questions 10 -18, please reference Grant Application Instructions for further details. Again, using this actual application form is not required as long as items 10 through 18 are included in the order given.

10. BALANCE STATEMENT (300 words or less)

11. PROJECT SUMMARY

12. METHODOLOGY

13. RESULTS/APPLICATION

14. BUDGET

15. REVIEW OF LITERATURE

16. PERSONNEL

17. SUPPORTING MATERIALS (optional)

18. ENDORSER'S REPORT

LINDBERGH FOUNDATION

2012 ENDORSER'S REPORT FORM

Must be postmarked by June 9, 2011

Principal Investigator's Name (Last, First): _____

Principal Investigator's Phone: (Office) _____ (Home) _____

Principal Investigator's E-mail: _____

Project Title: _____

The Foundation's concept of balance between technological innovation and preservation of our human/natural environment is key in the selection process. It is based on Charles A. Lindbergh's conviction that: "The human future depends on our ability to combine the knowledge of science with the wisdom of wildness," and of Anne Morrow Lindbergh that: "Power over life must be balanced by reverence for life."

Instructions: The Charles A. and Anne Morrow Lindbergh Foundation requests that endorsers evaluate the attached proposal using this format. **YOUR EVALUATION SHOULD FOCUS ON THE PROPOSED PROJECT'S ABILITY TO SOLVE THE PROBLEM AND THE SOLUTION'S ULTIMATE PRACTICAL APPLICATION.** Please state your opinion as to the applicant's ability to carry out the proposed work successfully.

- Endorsers **must** send (five) 5 copies of the completed Endorser's Report Form or separate letter directly to: The Charles A. and Anne Morrow Lindbergh Foundation, 2150 Third Avenue North, Suite 310, Anoka, MN 55303-2200.
- If available, Endorsers should send one (1) copy of their abbreviated CV for selection committee reference.
- A PDF copy of each Endorser's Report labeled with Principal Investigators last name, first name and year followed by the endorser's last name (i.e. SMITH, John 2012 Jones) must be sent to 2012App@lindberghfoundation.org. The subject line of e-mail must also contain the Principal Investigator's last name (i.e. SMITH, John Endorser's Report).

Endorser's Reports must be postmarked by June 9, 2011. If applicant or endorser desires delivery verification, arrangements should be made directly with delivery service of your choice. Our intent is that all Endorser's Reports remain confidential.

Evaluation: *(comments on back of form or in separate letter is acceptable):*

Endorser's Signature: _____ Date: _____

Endorser's Name: _____

Address: _____

Telephone Number: _____ E-mail: _____

2150 THIRD AVENUE NORTH • SUITE 310 • ANOKA, MN 55303-2200 • PHONE: (763) 576-1596 • FAX: (763) 576-1664
INFO@LINDBERGHFOUNDATION.ORG • WWW.LINDBERGHFOUNDATION.ORG

2012 LINDBERGH GRANT APPLICATION INSTRUCTIONS

INSTRUCTIONS FOR SECTIONS

1. CATEGORY - Applicants may indicate 1 or 2 categories (in priority order) to which their project relates. Applying for more than one category will not increase an applicant's chances of receiving funding. The purpose of selecting a category(ies) is to help our staff assign appropriate reviewers to evaluate each application. The categories are:

- (1) Agriculture
- (2) Aviation/Aerospace
- Conservation of Natural Resources
 - (3) Animal Resources
 - (4) Plant Resources
 - (5) Water Resources
 - (6) General Conservation (including land, air, energy, etc.)
- Education
 - (7) Humanities/Education
 - (8) The Arts*
 - (9) Intercultural Communication
- (10) Exploration
- Health
 - (11) Biomedical Research
 - (12) Health & Population Sciences
- (13) Adaptive Technology**
- (14) Waste Minimization and Management.

*Applicants seeking funding for projects that are limited to the creation of a particular work of art or performance art should not apply. The creation of art and public reaction to it does not adequately address the Foundation's concept of promoting a better balance between the advance of technology and preservation of the human/natural environment.

**One grant given may be designated as a Jonathan Lindbergh Brown Grant in Adaptive Technology or Biomedical Research. To qualify for this grant designation, a project must seek to redress imbalance between individual human beings and their personal environments.

2. PROJECT TITLE -The project title should indicate in the simplest, non-technical terms what the planned project is about. Keep in mind that the title should be stated in terms of the concept of 'balance' but does not need to include the word 'balance.' We request that you develop a title that begins with an action word. For example: "Preserving the Genetic Diversity of the Bolivian Cherimoya Fruit."

3. PRINCIPAL INVESTIGATOR -The primary individual actually doing the proposed work should be identified as the Principal Investigator. (For administrative purposes, please list one name only. Indicate additional investigators under no. 16.) As the Foundation has no educational requirements for who may be a P.I., students conducting research under the supervision of a professor should apply directly. Citizens of all countries are eligible.

4. ORGANIZATION OF AFFILIATION -The Lindbergh Foundation welcomes candidates who may or may not be affiliated with an academic, non-profit, or for-profit organization. Grants are awarded to individuals for research and educational programs, not to affiliated organizations for institutional programs. If an affiliated organization is indicated in no. 4, a signature of an official is required in no. 8.

5. AMOUNT OF FUNDING REQUESTED - Lindbergh Grants are awarded in amounts up to \$10,580. Grants are not renewable for subsequent years.

6. DATES OF PROJECT -Selection of grant recipients will be made no later than April 15, 2011. Funding is generally available in July. It is preferred that project dates be limited to one year (i.e. June 1 -May 31). If, for example, the nature of the project requires two field seasons, one year apart, an extended period for research is appropriate and should be indicated in the application.

7. ENDORSERS -Each applicant must select two persons to endorse his or her project/application. An endorser should be someone who knows you and/or your work, similar to a job reference. You should select endorsers who are familiar with your project and can describe its merits. An endorser should not be someone who will be receiving financial gain from the funding of the project or have any other potential conflict of interest.

8. SIGNATURES - The signature of the P.I. must appear in no. 8 on page 2. The signature of an appropriate official (i.e. dean, department chair, president, etc.) of the affiliated organization is required, if applicable. See no. 4. One of the six (6) paper copies required for submission of the grant application must include original signatures. Photocopies are acceptable for the remaining five (5) paper copies.

9. LINDBERGH GRANTS PROGRAM - Please indicate how you first learned about the Lindbergh Grants program. Common responses are: colleagues, computer databases, Lindbergh Foundation board members/staff/associates, periodicals, funding directories, previous grant recipients/applicants, university office/faculty, web search, etc.

INSTRUCTIONS FOR SECTIONS 10-18 - Responses should be limited to the length allotted for each section. (Please use at least a 12-point font and number sections and pages. There are no requirements for font style or line spacing as long as the print and formatting are easily readable.)

10. BALANCE STATEMENT (300 words or less) - Provide a concise and non-technical statement introducing your project topic. Communicate how your proposed project balances technological innovation and environmental preservation. Directly state the problem and how the technology in your project is being used in an innovative way to address balance. **Applications that do not clearly reveal how the project and its future results demonstrate a balance between the advancement of technology and the preservation of the human/natural environment are eliminated early in the evaluation process.**

11. PROJECT SUMMARY (2 pages for A, B, C & D) - These statements must be in non-technical terms and are crucial in the initial review process by staff and final review process by members of the Lindbergh Foundation Board of Directors. Projects may be in beginning, middle or final stages.

- (A) GLOSSARY: Define up to 5 key terms that are integral to the application/project, but would be unfamiliar to the nonscientist. Use simple, non-technical terms in the 1-2 sentence definition.
- (B) PURPOSE: State the problem your application/project seeks to resolve and your suggested solution.
- (C) PLAN: Summarize how you plan to proceed (full statement should appear in no. 12) and what tangible/measurable results you are anticipating (full statement should appear in no. 13). Address how the solution is attainable through your work.
- (D) BENEFITS: Communicate how your project will benefit people, wildlife, or ecosystems. Indicate what lasting impacts your project can make. Describe how your project will make a difference both locally and globally. Quantify, as much as possible, the benefits your work will provide.

12. METHODOLOGY (1 - 3 pages) - Describe in detail how the project will be conducted, including time frame (see no. 6), experimental design and procedure, and method of data collection and analysis, as applicable. You are advised to be thorough but concise in this discussion.

13. RESULTS/APPLICATION (2 pages) - Detail what tangible/measurable results you are anticipating, how those results will be analyzed, and how the overall project will be evaluated. State what practical applications your project will offer and outline plans for utilizing the results. You must quantify your results.

14. BUDGET (1 page): Include a detailed itemization of anticipated costs of your proposed project. (Any item over \$500 must be listed individually, including equipment.) Grant funds will be considered for supplies and equipment, fieldwork, reasonable secretarial and technical support, salaries for non-faculty individuals (including employee benefits), research assistantships, and other items necessary to the successful completion of the proposed work. Funds will be considered for travel only if necessary for and directly related to a specific project. The Lindbergh Foundation does not support overhead costs of organizations, tuition, or scholarships. Also, specify if the research for which you are applying is dependent upon additional funding, list amounts you are still seeking, and indicate all other sources of funding (received and anticipated). Disclosing this information will not affect the outcome of the selection process. Changes in the budget following submission of the application must be submitted in writing to the Foundation. Expenses incurred outside your budget may not be reimbursed unless prior authorization is secured. Unexpended funds remaining upon completion of your project must be returned to the Lindbergh Foundation.

15. REVIEW OF LITERATURE (3 pages, including citations): Provide a summary describing the research that is already in place, most recent advances made in your area of work, and how your proposed work will contribute. Originality and innovation are important factors in the review process. Also provide a listing of literature cited.

16. PERSONNEL (1 summary page, plus CV attachments): On the summary page, include a listing of all personnel working on the proposed project, how they will participate, and the amount of time each person will be spending on the project. Attach an abbreviated (1-2 pages) curriculum vitae and a list of relevant publications for the Principal Investigator (P.I.) and one or two other professional personnel. (See no. 3 for information on who may be a P.I.) For non-U.S. citizens, please indicate country of citizenship, type of visa if U.S., and place of birth.

17. SUPPORTING MATERIALS (optional): Material in support of your project (articles, letters from collaborators/ collaborating institutions, photographs, etc.) may be included as part of your application. Five (5) copies are required for our review process. The Foundation reserves the right to limit the supporting materials forwarded to reviewers. These materials cannot be returned.

18. ENDORSER'S REPORT FORM: Send one copy of your grant application to each of the two endorsers you have indicated on page 2 of the Application, along with a copy of the Endorser's Report Form. Applicants must complete the first section of the form prior to sending it to the endorsers. Upon completing the Endorser's Report Form, the endorser should mail five (5) copies of the completed form directly to the Lindbergh Foundation and send one PDF version to 2012App@lindberghfoundation.org. Having more than two (2) endorsers will not increase your chances of receiving funding. We recommend that you follow up with your endorsers to ensure reports are promptly submitted.