

*Advancing medical research
through organ and tissue donation*

THE LUNGMAP INITIATIVE

HELPING TO FIND THE ANSWERS
TO LUNG DISEASE



WHAT IS LUNGMAP?

The Molecular Atlas of Lung Development Program, or LungMAP, is a major initiative funded by the National Heart, Lung and Blood Institute (NHLBI) at the National Institutes of Health.

LungMAP research efforts are aimed to address lung diseases that develop during fetal growth and early childhood, which are a significant cause of serious illnesses and death. Although much progress has been made in understanding and treating such diseases, success has been limited by a lack of access to both healthy and diseased lung tissue from children. The opportunity to critically evaluate the processes of normal lung growth and development will aid in the continued understanding of these diseases and potential for novel treatments and therapies.

WHY DOES LUNGMAP NEED LUNG TISSUE DONATIONS?

Lung diseases affect a significant number of the world's population. Therefore, LungMAP researchers must examine as many lung tissue samples from as many different individuals as possible through the study of pediatric lung disease.

WHO CAN DONATE?

Families of individuals from 22 weeks of gestation to 10 years of age are encouraged to donate.

A patient's family may donate their loved one's organs for transplantation while also donating non-transplantable organs and tissues to benefit research studies like LungMAP. Donating to these programs will not interfere with any opportunity for transplantation donation, which takes priority. Even if transplantation donation is not an option, donations to LungMAP research may still be an

option. As the project develops over the next five years, other tissue samples (such as thymus, lymph node, and blood) may be requested, in addition to lungs.

WHAT HAPPENS TO ORGANS AND TISSUES THAT ARE DONATED?

Tissues collected for LungMAP will be managed by the Human Tissue Core (HTC) at the University of Rochester. The HTC's goal is to create a comprehensive molecular atlas of developing lungs. This study will help further the understanding of gene and protein expression and how they influence development in normal and diseased lungs. Samples will be available for use by the entire research community across the country. Detailed clinical and genetic information about donors is also collected and linked to the samples. This information is de-identified following HIPPA protocols to protect the individual's privacy. This clinical data is essential to allow observations made using individual samples to be correlated with the presence and severity of disease, thus providing targets for the development of new therapies.

ARE THERE RISKS ASSOCIATED WITH BEING A DONOR?

Protection of all human subjects is a prime focus of the study and precautions will be taken at every stage to protect confidentiality. All data sent to the HTC will be de-identified following all state and federal regulations to maintain the confidentiality of the clinical data. There does remain a small potential of genetic data exposure. Participation in the LungMAP project is voluntary. None of the testing results will be returned to donor relatives or guardians.



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NDRI is the nation's leading source for highest quality research biospecimens available.

NDRI annually provides more than 16,000 biospecimens from our nationwide procurement network to over 500 researchers worldwide.

Make an impact by donating organ or tissue samples.

NDRI makes it easy to become an active partner in solving complex medical challenges. Organ donation for research can make the difference for someone with a lung disease, potentially leading to new treatments or a cure.

NDRI is a non-profit 501(c)(3) corporation and relies on support from the generosity of donors.



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