

Science Transforming Life®



#1 respiratory hospital in the US for 15 years (*U.S. News & World Report*)

- 1899 – Opened as a charity hospital for indigent tuberculosis patients.
- 2013 - premier academic medical center improving care for patients from all over the world
- Focus on respiratory, cardiac, immune and related diseases.

Patients come from all over the world, including all 50 US states, because of our excellent care and our tenacity in finding answers to the most complex medical issues where others cannot.

We never say never.

Distinguished Faculty - Leaders in Medicine & Science

198 physicians providing care in 2012

- 24 physicians listed among America's Top Doctors by *Castle Connolly* and *U.S. News & World Report*
- 22 physicians voted Denver's Top Doctors in 2012 (*5280 Magazine*)
- 408 peer-reviewed articles published in scientific manuscripts by National Jewish Health faculty and staff in FY 2012

Our Faculty:

Serve on editorial boards for influential journals of medicine. Editors-in-Chief include:

- Journal of Allergy & Clinical Immunology
- Journal of COPD
- Journal of Asthma
- Journal of Thoracic Oncology

Leaders on expert panels for diagnoses and treatment guidelines, including the National Institutes of Health

1. Provide the highest level of clinical care
2. Conduct basic and clinical research
3. Teach other health care providers

Clinical Care for Adults and Children

- National Jewish Health strives to bring clinical and research efforts together to seamlessly deliver the best possible personalized care for adults and children.
- Multiple subspecialty programs

Personalized Medicine: whole person, individualized treatment

- Integrates clinical care, research and education
- Care teams spend extensive time collaborating to diagnose and create treatment plans tailored to each patient's individual condition and needs.
- Focus on prevention and personalized medicine
 - Multispecialty care is collaborative, coordinated
 - Quality time spent with patients; long appointments
 - Patients taught to manage and live with illness with thorough patient and family education
- Development of new treatment guidelines that become global standard

- Allergic and Immunologic Diseases
- Autoimmune Lung Diseases
- Bronchiectasis
- COPD and alpha-1 antitrypsin deficiency
- Cardiology
- Critical Care and Hospital Medicine
- Cystic Fibrosis
- Diabetes / Nephrology
- ENT

- Environmental and Occupational Lung Disease
- Gastroenterology
- HIV / Virology
- Interstitial Lung Disease
- Infectious Diseases
- Interventional Pulmonology
- Lung Cancer
- Lung Imaging Center
- Neuropsychology

- Pulmonary Physiology (testing)
- Pulmonary Rehabilitation
- Rheumatology
- Sleep Medicine
- Pulmonary Rehabilitation
- Rheumatology
- Sleep Medicine

Core Laboratories

- Clinical Laboratories (ADX)
- Cytometry
- Molecular Resource Center
- Mouse Genetics
- Pathology and Electron Microscopy
- Proteomics and Metabolomics
- Pulmonary Physiology Unit

National Jewish Health is responsible for many important scientific advances:

- IgE
- The T-cell receptor gene
- Superantigens
- Stem cell program in cell biology for lung repair
- Combined chemotherapy for tuberculosis
- Culture medium for tuberculosis
- Proteins that slow the growth of cancer tumors
- Mechanisms of apoptosis

National Jewish Health is responsible for many important scientific advances:

- Immune response trigger
- The immunological synapse
- New family of anti-viral agents
- Methamphetamine hazards
- Breast cancer inhibitor
- The protein CD203c
- New genes discovered related to familial pulmonary fibrosis

NJH NIH clinical research

- Asthma Network – adult, pediatrics
- Severe Asthma Network
- Atopic Dermatitis Network
- ARDS Network
- COPD Clinical Research Network
- COPDGene®
- HIV Network
- Interstitial Lung Disease Network

NJH NIH clinical research

- Lung Cancer Clinical Trials
- Lung Genomics Research Consortium
- Lung Tissue Consortium

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- Medical student, intern and resident training
- Fellowship programs (collaboration with University of Colorado Denver School of Medicine)
- Visiting clinician programs
- Basic science immunology training

Provide Continuing Medical Education to primary care providers and specialty physicians

- Developed unique model of physician performance improvement implemented in physician practices
- Presentations at national and international meetings and professional organizations
- Awarded for excellence in education

- Training programs at NJH:
 - Fellows
 - Academic physicians
 - Practicing physicians
- Visits by NJH faculty to Brazil:
 - Disease specialists
 - Pulmonary or other specialists

- Leading Laboratories –
Advanced Diagnostic Laboratories accredited by the College of American Pathologists
- Educating our Peers –
Accreditation with Commendation from the Accreditation Council for Continuing Medical Education

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njhealth.org