Much of what occurs at National Jewish Health, what makes it a premier academic medical center, occurs behind the scenes, out of sight from most patients and visitors. Research, collaboration and diagnostic detective work occur every day in offices, laboratories, and radiology reading rooms outside of the public view. In this annual report, we take you behind the scenes to see the excellence, leadership, discovery, collaboration and commitment that define Care and Discovery at National Jewish Health.
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A Letter from the President and CEO

National Jewish Health — Understanding Who We Are

Every year, as we consider themes for our annual report, we try to choose one that helps explain National Jewish Health, one that describes the qualities that make us unique. This year we started by taking a look behind the scenes at what we do every day, the common experiences and approaches that differentiate us from other health care organizations. We identified five common threads – words that help describe the National Jewish Health spirit and philosophy.

Excellence. It is what we all strive for, the standard we hold for ourselves and each other. Excellence is exemplified in our ranking as the top respiratory hospital in the nation, and in the physicians recognized as the best in the nation. But it goes beyond that to everything we do every day.

Leadership. An outgrowth of excellence, leadership is also a responsibility. Our faculty lead professional associations that guide practicing physicians across the nation, set the national research agenda as members of National Institutes of Health study sections and disseminate new discoveries as journal editors. Through these efforts and more, they lead the medical/scientific community to greater accomplishments and better service.

Discovery. We are always looking forward, always asking questions. Never satisfied with the status quo, we know there is more to learn and more discoveries to be made, which can improve medical care and help people live healthier, more satisfying lives.

Collaboration. From research to care, we believe that working together and sharing information is the only way to understand the human body, its organs and systems. When children or adults come to National Jewish Health as patients, they don’t just see a pulmonologist or a cardiologist and go on their way; they see a team of health professionals who consider the whole person, not just a set of lungs.

Commitment. We study and treat some of the most devastating and intractable diseases that afflict humans. We know that excellence, leadership, discovery and collaboration come to nothing without an enduring commitment to persevere and push through the roadblocks we encounter, until we find the answers.

These are the core philosophies that drive the faculty and staff at National Jewish Health. To fully demonstrate how they come to life, we take you “Behind the Scenes” at National Jewish Health.

Michael Salem, MD
President and CEO

#1 Respiratory Hospital for 15 Consecutive Years
A Letter from the Board Chair
Growing Up With National Jewish Health

As a native of Denver, I grew up knowing National Jewish Health. Early on, I knew that it was the best place to bring a loved one who suffered from lung disease. I came to appreciate and respect its great history of providing care to patients from around the country, regardless of ability to pay, and its commitment to providing education and care in unique ways such as at the Kunsberg School for children suffering chronic diseases.

As I went through my life — college at Seattle University, a career in real estate development, raising a family — I continued to be aware of and impressed by National Jewish Health. So, it was easy for me to say yes in 2005, when then President and CEO Lynn Taussig, MD, asked me to serve on the National Jewish Health Board of Directors. It was an honor.

Soon after joining the board, I became involved with the development board. I was especially involved in Hoops and Hoopla, the fundraising event centered around the NCAA basketball championships, which became my focus. Eventually, I chaired the development board. I thoroughly enjoyed reaching out to people, telling them about our wonderful institution and encouraging them to donate and become part of our important mission.

Fundraising is crucial to the future success of National Jewish Health. Current President and CEO Michael Salem, MD, and the Board of Directors have done an extraordinary job growing National Jewish Health around a 10-year strategic plan and putting the organization on firmer financial footing. Today donations fund our research and charitable care, and help us build for the future.

As Chair of the National Jewish Health Board of Directors, my goals are to continue that growth, to raise funds for important, substantial projects that will allow National Jewish Health to maintain its leadership in the medical/scientific community, and to continue serving patients from around the world. I want National Jewish Health to maintain its position as the best respiratory hospital in the nation and grow in that distinction for allergies, immunology, cardiology, cancer and the other diseases we treat. I hope all of you who read this annual report and see the tremendous work being done here will join me in that effort.

Rich Schierburg
Chair, Board of Directors

113 Years Serving Patients from All Over the World
So many attributes define excellence. At National Jewish Health, it is inherent in how we think, how we apply knowledge to problems and how we treat and care for the people we serve.”
— Kern Buckner, MD

Shortness of breath is not always caused by a problem in the lungs; it can often be traced to a poorly functioning heart. That is why the number one respiratory hospital in the nation includes a topnotch cardiology department. Pulmonary hypertension, seen frequently at National Jewish Health, sits squarely at the intersection of the lungs and heart. When the heart has difficulty pushing blood through the lungs, as it often does with damaged lungs, it works harder. This condition leads to high pressure in the pulmonary arteries and to potentially fatal heart damage.

Pulmonary hypertension is poorly understood, difficult to diagnose and often resistant to treatment. National Jewish Health is working to change that with its new Pulmonary Hypertension Program, which aims to improve diagnosis, prevention and management of the disease.

In 2012, National Jewish Health opened a state-of-the-art cardiac catheterization lab. Cardiac catheterization, a method of threading a probe through the arteries to the heart, is the most effective way to diagnose pulmonary hypertension. The new lab also gives National Jewish Health doctors the ability to collect extensive data from patients who have the procedure. “We can look for trends that can help us design clinical trials to improve care for pulmonary hypertension patients,” said Kern Buckner, MD, chief of cardiology at National Jewish Health.

Behind the Scenes

**excellence**

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Percentage of patients with COPD who may also have pulmonary hypertension
In the past year, National Jewish Health has been recognized for excellence in many endeavors. While the awards recognize different facets of the organization, they all point to one overriding theme: the culture of excellence that exists at National Jewish Health.

Ask people what defines this culture and they will come up with a variety of suggestions, from intense focus, to the freedom to pursue promising ideas, to a refusal to accept simple answers. Throughout, one common theme emerges.

“Communication and collaboration are key,” said James Good, MD, a pulmonologist who spent more than two decades in private practice before coming to National Jewish Health in 2006. “In the course of a single day, I communicate with multiple specialists regarding individual patients, from cardiologists, radiologists and allergists to gastroenterologists and rheumatologists. They all contribute to my understanding of a patient’s respiratory problems and help me devise a working solution. It is extraordinary.”

Number 1 Respiratory Hospital. U.S. News & World Report has ranked National Jewish Health the best respiratory hospital in the nation for 15 consecutive years. The magazine ranks hospitals based on a combination of care-related factors, including opinions of board-certified pulmonologists, patient outcomes, nursing, patient services and technology.

America’s Top Doctors. Castle Connolly Medical, Ltd., named 24 National Jewish Health doctors to its list of the best doctors in the nation. Fewer than 1 percent of doctors nationwide are chosen for this honor.

Four-Star Charity. National Jewish Health received its fourth consecutive four-star rating from Charity Navigator, the nation’s premier independent evaluator of charities. The rating is based on sound fiscal management, commitment to accountability and transparency. Only 7 percent of ranked charities have received at least four consecutive four-star evaluations.

Leading Laboratories. The Advanced Diagnostic Laboratories at National Jewish Health have been accredited by the College of American Pathologists, recognizing technical competence and continual quality management. Fewer than 20 laboratories in the United States have been awarded the stringent CAP 15189 Accreditation.

Educating our Peers. National Jewish Health has received Accreditation with Commendation from the Accreditation Council for Continuing Medical Education (ACCME). This is the highest level of ACCME accreditation, and is based in part on evidence that physicians have incorporated the information they learned into their daily practices.

Practicing a Culture of Excellence
Communication, collaboration are key

Walk with a Doc
Andrew Freeman, MD, not only talks to his patients about the health benefits of walking, but also gets out of the office and leads them.

In 2011, Dr. Freeman launched Walk with a Doc in Denver, a free program that brings doctors and other health care professionals together with patients once a month for a brief lecture on important health topics followed by a brisk walk. Participants spend time with physicians, get to know them, and ask medical questions in an informal relaxed setting.

“This is a great way to promote lifestyle change,” said Dr. Freeman. “We’ve received tremendous support and now have more than 100 people who participate each month.”

Top Doctors (left to right) Howard Weinberger, MD; James Good, MD; Dan Atkins, MD; Lisa Maier, MD; Rohit Katial, MD.

Number of National Jewish Health physicians listed among America’s Top Doctors by Castle Connolly Medical, Ltd. and U.S. News & World Report

24

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National Jewish Health faculty and staff provide leadership that extends well beyond the institution to influence the entire medical and scientific community.

Several faculty hold national leadership roles, including Richard Weber, MD, who began his tenure in November 2012 as president of the American College of Allergy, Asthma & Immunology, leading more than 5,700 practicing allergists and immunologists across the country.

Stanley Szefler, MD, and Harold Nelson, MD, set the standard for asthma care when they helped write the National Institutes of Health’s clinical care guidelines for asthma. Others at National Jewish Health have authored national guidelines for the treatment of tuberculosis, atopic dermatitis, idiopathic pulmonary fibrosis and other diseases.

Medical students and others learn from dozens of textbooks authored by National Jewish Health faculty, including Dr. Michael Iseman’s book on clinical care of tuberculosis, Dr. Robert Mason’s on respiratory medicine, and Dr. Teofilo Lee-Chiong’s text on sleep medicine.

Many faculty help set the nation’s research agenda as members of NIH study sections, which review research grant applications. Dr. Szefler has an especially strong influence as chair of the National Heart, Lung, and Blood Institute’s Clinical Trials Review Committee.

Faculty serve on editorial boards and as reviewers for many of the most influential journals in medicine. As editor-in-chief of The Journal of Allergy & Clinical Immunology, Donald Leung, MD, PhD, has developed the publication into the most influential journal in the field.
Doctors told Lisa Clark that her 4-month-old son Quentin might not live through the night. Pneumonia and rotavirus were ravaging his body, but he could not fight the infections.

Days earlier Quentin had been diagnosed with severe combined immune deficiency (SCID), a genetic disorder that leaves children without a functioning immune system.

“It was terrifying,” said Lisa Clark. “Quentin was born a healthy, happy baby. Until he got sick we had no idea there were any problems.”

He survived the night, but faced several other harrowing infections before coming under the care of Erwin Gelfand, MD, chair of pediatrics at National Jewish Health. Quentin is now receiving injections several times a week to replace a missing enzyme and monthly infusions of antibodies to provide immune protection while he waits for the bone marrow transplant that can offer long-lasting protection.

“Early diagnosis is crucial because the disease is fatal within the first six months if it is not detected and treated,” said Dr. Gelfand. “If we learn about the disease before the mother’s protection wears off we can start giving a child protection before he gets sick.”

National Jewish Health and Dr. Gelfand teamed up with the state of Colorado in 2012 to become one of the first states in the country to test all newborns for SCID. Dr. Gelfand is an internationally recognized expert on immune deficiencies. In the late 1960s, he was among the first to successfully transplant bone marrow in a SCID patient. He developed Canada’s first pediatric bone marrow transplant program. At National Jewish Health, Dr. Gelfand routinely sees SCID patients from around the nation.

“Early diagnosis is crucial because the disease is fatal within the first six months if it is not detected and treated.”
— Erwin Gelfand, MD

If a newborn’s initial blood test suggests the child may have SCID, Dr. Gelfand sees the child and the National Jewish Health Advanced Diagnostic Laboratories runs more specific tests to make a definitive diagnosis. Within two weeks after regular testing in Colorado began, National Jewish Health diagnosed the first case of SCID in a baby. Jagger Kirsch was fortunate to quickly find a bone marrow donor and recently received a transplant.

“Because of the early diagnosis and intervention, Jagger will hopefully avoid many of the consequences of the disease,” said Dr. Gelfand.

### Reducing Lung Cancer’s Toll

National Jewish Health physician James Jett, MD, is leading efforts to reduce the terrible toll of lung cancer by improving techniques for early detection of the disease. In one study, he is combining CT scans, which have already been shown to help reduce lung-cancer deaths, with biomarkers in the blood, some of which appear as early as five years before symptoms develop. In a second trial, Dr. Jett is building on the reported ability of dogs to detect lung cancer in people’s breath, seeking to discover a chemical profile that identifies the breath of lung-cancer patients and those at high risk for lung cancer.

Number of people who die of lung cancer each year in the United States. Recent research suggests that 20 percent, or 32,000, could be saved by early detection.

### Setting National Standards

Screening program identifies immune-deficient newborns

Cathy Hancock, RN, with Quentin and Lisa Clark
The 3 billion base pairs of the human genome were just the beginning.

In the past decade, biology has been flooded with a deluge of data, from the complete genomes of individuals to the proteome, the metabolome and the microbiome.

Teasing answers out of that data flood — sorting through billions of bits of information to find which genes contribute to disease, or to discover how a single protein might impact an illness — takes time, a lot of time. Data analysis is the biggest bottleneck in biological research today.

In the past year, National Jewish Health installed a supercomputer to help remove that bottleneck. A genetic analysis known as GWAS could take 1.3 years on a typical desktop, but takes only 2.2 days on the new supercomputer. Sonia Leach, PhD, director of bioinformatics at the Center for Genes, Environment and Health, designs computational algorithms that can turn bits and bytes into biological knowledge.

“Recent investments in sequencing and computational power, as well as the personnel to integrate the two, are beginning to pay off,” said Dr. Leach. “It allows researchers to combine state-of-the-art capabilities with unique resources at National Jewish Health, such as the extraordinary patient population, to accelerate the pace of discovery.”

Number of years it would take a typical desktop computer to perform calculations that take 2.2 days on the new National Jewish Health supercomputer.
Million people in the United States have asthma

Metal Allergies Causing Joint Implants to Fail

One million joint replacements are performed each year in the United States, and about 10 percent, or 100,000 of them, fail. Allergy to metal in the implants and cement used to attach them can cause these failures. Karin Pacheco, MD, MSPH, is leading a groundbreaking effort to reduce allergy-related joint-implant failure. Working with the Advanced Diagnostics Laboratory and Vijaya Nagabhushanam, MD, PhD, Dr. Pacheco has developed and validated a blood test to identify patients with allergy to nickel, a metal commonly used in artificial joints. The team is developing additional tests for allergies to bone cement and other implant metals, including cobalt and chromium. The tests will also identify allergic causes of implant failure. In addition, the tests will help predict potential failure before it happens, providing critical information for selection of an implant most likely to have long-term success.

Personalized Medicine in Practice

Discovery helps athlete resume running

An avid runner and “the healthiest guy you have ever met,” Denny Breedlove was at the starting line for the 2010 Cleveland Marathon when he began coughing. He spent the next two years unsuccessfully seeking a diagnosis before arriving at National Jewish Health, where his doctor used a new approach to solve the mystery of Denny’s cough.

After the initial episode at the marathon, Denny spent the next several months going from physician to physician in his home state of Indiana. They tried a multitude of procedures, tests and treatments.

“Nothing worked. It was a hard, deep cough that just kept hanging on,” said Denny. In addition to the cough, Denny suffered shortness of breath, which interfered with his ability to run. “At my worst, I would be gasping while just sitting in a chair.”

Denny came to National Jewish Health after being referred by asthma and allergy specialist Mark Hollbreich, MD, who had trained here as a fellow. At National Jewish Health, Denny saw pulmonologist James Good, MD, who had recently published research findings relevant to Denny’s case.

In their research, Dr. Good and his colleagues demonstrated that close visual examination of the airways, and collection of fluid and tissue with a bronchoscope, can guide effective therapy for difficult-to-treat asthma. While bronchoscopy has been used for decades to diagnose a variety of other respiratory conditions, Dr. Good’s research was the first to definitively demonstrate how it could be used to discover important characteristics of an individual’s asthma, which in turn helps define specific therapies.

“While standard treatment helps many asthma patients, there is a significant number who need more personalized diagnosis and treatment,” said Dr. Good. “Bronchoscopy provides important clinical information that can help us better treat even the most difficult asthma patients.”

With the help of bronchoscopic examination, Dr. Good discovered that two conditions were causing Denny’s shortness of breath and cough: asthma and laryngopharyngeal reflux that was irritating his lungs. With a personalized treatment plan, Denny is back to running and was able to complete his 32nd consecutive Indianapolis Mini-Marathon.

“National Jewish Health gave me the confidence that I could get through it. I am already planning on running a race again next year.” — Denny Breedlove
Asking Questions, Finding Answers
Research discoveries suggest new therapies, healing strategies

Every day at National Jewish Health, researchers ask questions. How does a lung repair itself? Why does the immune system sometimes turn against the body it is supposed to protect? How can we best protect children with food allergies? Every day, those same researchers find answers that are crucial to discovering new treatments and strategies to help people live longer, healthier lives. Here are a few examples of the sometimes surprising answers National Jewish Health researchers have found to their questions.

Lung Repair Process Discovered
Stijn De Langhe, PhD, has discovered key cells and molecular signals that allow the lung to repair itself. The findings could be valuable both for turning on and turning off the repair process in the lungs. Augmenting repair could be invaluable in acute lung injury, emphysema and other diseases that damage lung tissue. In other diseases, such as asthma and pulmonary fibrosis, turning off a repair process that has gone awry might help treat those diseases. Dr. De Langhe and his colleagues found that one type of lung cell, called a Clara cell, survived exposure to toxic chemicals, then multiplied, and differentiated into various types of cells to fully repair damaged lungs. Dr. De Langhe also discovered the molecular signals that trigger that repair process.

Virus Protects Against Lupus
Epstein-Barr virus has been thought to predispose people to autoimmune diseases such as lupus and multiple sclerosis because it more commonly infects people with those diseases. Laboratory experiments by Roberta Pelanda, PhD, however, suggest just the opposite; the virus conferred protection against lupus. When Dr. Pelanda and her colleagues infected mice that always develop lupus with a virus closely related to Epstein-Barr, they had milder forms of the disease and suffered less tissue damage. “We were completely surprised,” said Dr. Pelanda. “We believe the virus is affecting a basic mechanism of immunity and could lead to therapeutic targets for lupus and other autoimmune diseases.”

Lipid Blocks Influenza
Many infections enter through the lungs, with viruses and bacteria frequently inhaled from the air. The immune system puts up a protective barrier with several proteins in the lungs that recognize and attack infectious organisms. A few years ago, Dennis Voelker, PhD, and Mari Numata-Nakamura, MD, PhD, discovered POPG, the first lipid (fat) molecule known to confer immune protection. Lipids offer advantages over proteins as potential medications. They are less likely to elicit unwanted immune responses, are more chemically stable and are less expensive to manufacture. This year Drs. Voelker and Numata-Nakamura demonstrated that POPG can protect against influenza in cell cultures and mice. Those findings build on previous experiments showing that POPG reduces inflammation and protects against respiratory syncytial virus (RSV).

Young Children React to Food
Food allergies pose a greater threat to young children than previously recognized. In June 2012, David Fleischer, MD, and Dan Atkins, MD, reported that 71 percent of young children, ages 3–15 months, with allergies to milk and egg, had at least one allergic reaction to food in the next three years. The reactions were caused most often by unintentional ingestion, label-reading errors and cross-contamination with other foods. Although 11 percent of the reactions were severe, only 30 percent of them were treated appropriately with epinephrine, a medication that caregivers can administer with an EpiPen to reduce symptoms. “Our findings indicate that parents and other caregivers need to be even more vigilant in avoiding allergenic foods and treating reactions appropriately,” said Dr. Fleischer.
Looking at an object from a different perspective can reveal previously hidden elements.

That is the idea behind the Translational Research Initiative, which pairs physicians and laboratory scientists on joint research projects. Their dual perspectives are more likely to uncover important clues and suggest promising solutions to research questions.

For instance, researcher Michael Strong, PhD, and physician Gregory Cosgrove, MD, are exploring thousands of relationships between genes, chemicals and respiratory diseases. Dr. Strong’s perspective as a computational biologist can help detect significant genetic and biological relationships, while Dr. Cosgrove’s clinical perspective helps identify relationships that most affect patient health and the potential for improving patient care.

Physician David Nichols, MD, is collaborating with researchers Raul Torres, PhD, and Hong Wei Chu, MD, on a biobank of live tissue samples from the airways of patients for use in research. Dr. Nichols navigates the clinical challenges of identifying and characterizing patients and obtaining samples, while Drs. Chu and Torres create the storage facility and field requests for samples.

With help from donors, National Jewish Health funds four translational research projects each year, providing seed money for initial findings that can lead to additional external support.

Number of active patents held by National Jewish Health; six were granted in the past year
Diagnosed with food allergies as an infant, Emily Cinquemani had spent her entire life avoiding dairy products. She rarely ate at restaurants and always brought her own food to parties. She also had lung issues, including a cough that had persisted for years. One doctor diagnosed asthma; another said no. “It was really frustrating,” said Emily. “No one could give us a definitive answer.”

With Emily’s freshman year in college approaching, her mother, Susan, said, “Enough is enough. We need to find out what is going on.”

Susan and Emily flew from South Carolina to National Jewish Health in Denver, where an entire team of health care professionals, including an allergist, nutritionist, pediatric pulmonologist, nurse practitioner, social worker and respiratory therapist, worked together to discover what was plaguing Emily and how to treat it.

For two weeks Emily and her mother spent nearly every day at the hospital, with Emily undergoing a comprehensive array of diagnostic tests, treatments, education and counseling. “From day one, it felt like everyone was working together to get to the bottom of Emily’s health issues,” said Susan. “Everybody was communicating with each other. The allergist was talking to the dietician and the pulmonologist, who was telling the respiratory therapist about Emily’s case.”

Although Emily was allergic to milk, her team found that she could eat dairy products if they had been cooked. A dietician helped her understand what she could and could not eat. “It was such a relief. For 18 years, I’d been told that a trace of milk could kill me,” said Emily. “I don’t know how I would have managed my meals in college if we hadn’t figured this all out.”

Emily’s cough, it turned out, was due to bronchiectasis, an inflammation of the small airways. Doctors were able to get her off the asthma medications, and teach her how to care for her lungs. A social worker provided strategies to cope with new challenges her condition would present at college.

“Before we left, we had an exit interview with four different people sitting across from us, explaining everything they had learned and what we should do to keep Emily healthy,” said Susan. “National Jewish Health is an example of how health care should be.”

“National Jewish Health is an example of how health care should be.”
— Susan Cinquemani

Collaboration Driving Common Goals
Team effort finds solutions

Number of scheduled appointments
Emily Cinquemani and her mother, Susan, had with nearly two dozen health care professionals during their 10-day stay at National Jewish Health

CHECK IN
• Methacholine Challenge
• Art Therapy
• Skin Test
• Impedance Probe Test

• Asthma/Allergy Consult
• Pulmonary Consult

• Immunology Consult
• Asthma/Allergy Physician
• Psychologists

DISCHARGE
• Barium Swallow
• Parent Group
• Education: What Makes Asthma Worse?

• Upper Gastrointestinal Study
• Nutrition Consult

• CT Scan
• Pulmonary Function Testing
• Education: Respiratory Care

• Bronchoscopy
• Parent Group
• Education: Asthma Self-Management

Emily Cinquemani
National Jewish Health
Each year, more than 40,000 otherwise healthy people receive a devastating diagnosis: idiopathic pulmonary fibrosis (IPF). There is no approved treatment to slow the progressive scarring of the lungs caused by the disease, and the average survival is only three to five years after diagnosis.

For more than 35 years, National Jewish Health has been a leader in the research and treatment of IPF. Physicians and scientists at National Jewish Health have described who gets the disease, its natural progression, and the basic mechanisms underlying its relentless scarring. They have participated in dozens of clinical trials of experimental medications. Unfortunately there has been little progress, and the limited successes can be difficult to see.

“Idiopathic pulmonary fibrosis is a heartbreaking disease,” said Kevin K. Brown, MD, vice chair, medicine. “At the same time, I’m committed to working on it because I see such an opportunity to provide benefit. If we keep working, pursue every lead, and never give up, we will figure it out, find a treatment and change the world for people with IPF. There are plenty of people focused on the easy problems; we’ll work on the hard ones.”

Recently, there has been noteworthy progress. In early 2012, Dr. Brown and his colleagues reported that trials of an experimental medication slowed the loss of lung function and preserved quality of life for the first time. The next generation of trials in IPF will begin at National Jewish Health in 2013.
Jake Cohn, asthma patient and professional skier.

Jake Cohn almost died at birth and remained in intensive care for more than a month. He celebrated his first three birthdays in a hospital, and learned to walk while lugging around an oxygen tank.

“I was always in the hospital. Every night I was on oxygen,” said Jake, now 25. “It’s pretty scary. You are just stressing so hard to cough and you can’t breathe.”

Asthma has plagued Jake for his entire life. But thanks to the committed care of specialists at National Jewish Health, Jake has not only survived, but also thrived. Today, he travels the world as a professional freestyle skier, performing daring feats of the “don’t-try-this-at-home” variety.

Unable to find the care young Jake needed in Telluride, Colorado, his parents brought him to National Jewish Health when he was 4. He received cutting-edge treatment and an asthma action plan, which laid out a course of treatment and responses to asthma flare-ups that his parents and primary care physician could follow.

“At National Jewish Health, we keep working at it until we get where we need to go.”
— David Beuther, MD

The periods of illness became shorter and less severe as Jake grew and continued to follow the plan he received at National Jewish Health. The family returned to National Jewish Health for periodic updates and adjustments to his treatment. The ongoing care allowed Jake to stay active and develop a love of skiing. The persistent asthma continued to slow him on occasion, but he thrived on the slopes, eventually graduating to professional competitions and world travels.

Today, he continues to cope with asthma and returns periodically to see David Beuther, MD, at National Jewish Health, for examinations, care and adjustments to his regimen.

“At National Jewish Health, we keep working at it until we get where we need to go,” said Dr. Beuther. “In Jake’s case, we got exactly where we needed to go. Here is a guy who couldn’t do anything. He couldn’t even get out of bed. Now he is skiing off cliffs.”

“Dr. Beuther has been a lifesaver … literally,” said Jake.

Jon Bernhard first came to National Jewish Health in 1987, as a 22-year-old bike racer and athlete who suddenly found he could no longer walk up a flight of stairs. Within days he was diagnosed with a non-tuberculous mycobacterial (NTM) infection of his lungs and was given a treatment plan. Today Jon, an active mountain climber and bike racer, continues to see his National Jewish Health team, which helps care for his lungs, damaged by the original infection 25 years ago. “They are my team,” said Jon.

Soaring Beyond Expectations
Committed care keeps Jake Cohn skiing

A Team in My Corner
Jon Bernhard works with students at Kunsberg School

Number of birthdays
Jake Cohn spent in the hospital by the age of 3

“"The treatment and action plan that we received at National Jewish Health allowed me to stay active as a child," said Cohn. "I still got sick and had asthma attacks, but the difference was that my parents and my doctor knew how to respond."

3
Fiscal year ending June 30, 2012, saw the continued expansion of our clinical programs. Patient demand for services continues to grow, both locally and nationally. To meet this demand, we successfully recruited several nationally recognized physicians, opened a new cardiac catheterization laboratory and expanded our gastroenterology service to include additional invasive procedures and a colon cancer screening program. We increased our presence in the region by contracting to provide physician services at additional facilities and, as part of our ongoing commitment to patient service, designed and implemented a new electronic patient portal. Our strategy continues to produce economic returns. In spite of ongoing reimbursement challenges, net patient service revenue increased 9 percent over fiscal 2011.

Federal budget pressures are a challenge for research institutions around the country, and National Jewish is no exception. With the expiration of the American Recovery and Reinvestment Act and budget cuts at the National Institutes of Health, research grant funding fell 18 percent in fiscal 2012. In spite of the financial pressures, National Jewish Health faculty continues to be at the forefront of research and discovery. We were recently awarded a $31.3 million grant to continue our study of the influence of genetics on chronic obstructive pulmonary disease. Additionally, though the scores required for grants to be funded have increased, the number of new federal grants awarded to National Jewish grew 88 percent over fiscal 2011. National Jewish Health remains committed to furthering our research mission. In fiscal 2012, we made several investments in our research programs with the addition of several new scientists, development of advanced microscopy facilities and creation of a new epithelial cell research core.

Fiscal year 2011 ended on a high note in the financial markets. National Jewish recorded $18 million of investment returns for the year. The financial markets dropped precipitously early in fiscal 2012, but largely recovered by year end. National Jewish Health recorded just under $1 million in investment returns for the year. Thanks to the ongoing commitment of our loyal donors, $21.4 million in net charitable contributions were received during the year. Due to tight expense controls, expenses increased less than 1 percent year over year.

In 2012, National Jewish successfully refinanced $27.7 million of outstanding debt. This refunding resulted in a total savings of more than $3.5 million and shortened the term of the debt outstanding by two years. While this refunding provides significant savings, National Jewish Health had to write-off assets related to the refinanced debt, which resulted in a $1.2 million loss on the fiscal 2012 financial statements.

National Jewish Health continues to focus on our Decade of Innovation: Strategic Plan 2017. Our personalized approach to coordinated patient care and the integration of research into our clinical programs position us well for success in the continually changing health care environment. Our commitment to education, from our medical training programs for post-doctoral fellows to our school for chronically ill K-8 children, is unwavering. With the help of our friends throughout the country, National Jewish Health will remain a leader in the research and treatment of lung, heart, immune and related diseases.
Demand for National Jewish Health expertise continues to grow. Additional faculty and staff have been able to meet that demand, but space is growing short.

Expiration of stimulus funding and federal budget cuts resulted in reduced research funding in FY 2012.

After two years of strong gains, investment returns leveled off in FY 2012.

Demand for charity care continues to increase.

Patient visits in FY 2012:

103,120
Behind the Scenes

excellence

Quick Response, Teamwork Save Patient’s Life

When Carol Schmidt called family friend and National Jewish Health physician Michael Iseman, MD, about her husband, Jim, who lay in intensive care after passing out on an airplane tarmac, Dr. Iseman recommended colleague Gregory Cosgrove, MD.

Dr. Cosgrove collaborated with pathologist Steve Groshong, MD, PhD, and radiologist David Lynch, MD, to diagnose a catastrophic and progressive form of interstitial lung disease. The rapid diagnosis and effective treatment helped Jim limit permanent damage to his lungs. Within a year, he was off oxygen, and today he has resumed his favorite activities including traveling, hunting and golf.

“We are not for the focused care and attention afforded to me by National Jewish Health, I would not be here today to tell this story,” said Jim. “When I’m with Dr. Cosgrove, he gives me all the time I need, whether it’s 15 minutes or an hour.”

140,000

Number of diagnostic tests performed by the National Jewish Health Advanced Diagnostic Laboratories in FY 2012
Behind the Scenes


text

leadership

Record Amount Raised for Lung Cancer Care and Research

At the National Jewish Health Lung Cancer Center, some of the nation’s best physicians and scientists are focused on unlocking the mysteries of lung cancer—how to detect it earlier and how to treat it more effectively.

This year, the real estate and construction industries of New York joined this endeavor, raising a record-breaking $3 million for lung cancer research and care during the annual “Winter’s Evening” Dinner Dance in December 2011.

These efforts were led by Marc Holliday, chief executive officer of SL Green Realty Corp., who established the Holliday Memorial Fund for Lung Cancer Research at the event. He was also honored with the Institution’s Humanitarian Award for his significant civic and charitable contributions.

Holliday has a personal connection to the cause. His mother’s lung cancer was detected at a clinic that National Jewish Health hosted in Florida, and he established the fund in her honor.

“Lung cancer kills more people than any other cancer in America,” said Holliday. “I am confident that the funds we raised will help researchers at National Jewish Health find better ways to diagnose and treat this disease.”
Behind the Scenes

discovery

Couple Endows Chair

The generosity of Drs. Mary and Harold “Hal” Zirin will help millions of people with lung diseases for generations to come.

Mary grew up in Denver and met Hal when they were both living in Boulder. In the 1960s, they moved to California, where Hal was a professor of astrophysics at the California Institute of Technology and Mary taught Russian.

When Hal suffered breathing problems related to scoliosis, the Zirins knew they should return to Colorado and National Jewish Health. Hal’s care and their interest in research inspired the Zirins to establish the Drs. Harold and Mary Zirin Chair in Pulmonary Biology. The endowment provides important funding for the chair’s occupant to investigate cellular and molecular mechanisms regulating lung disease. After Hal’s death on January 3, 2012, Mary remains committed to carrying on their generosity to help millions of people with lung diseases.

“The Zirins made an extraordinary commitment to support research that will improve the way we treat lung diseases,” said Gregory Downey, MD, the chair’s current occupant. “They have provided for research funding to continue well into the future.”

ENDOWED CHAIRS AND PROFESSORS

Girard & Madeline Bene Chair in Mycobacterial Diseases
Michael D. Iseman, MD, Chief, Clinical Mycobacterial Services, Division of Mycobacterial and Respiratory Infections, Department of Medicine

Irene J. & Dr. Abraham E. Goldminz Professor of Immunology and Respiratory Medicine
Chair under funding

Ida & Cecil Green Professor of Cell Biology
John C. Cambier, PhD, Chairman, Integrated Department of Immunology

The Catherine Kramer Professor of Clinical Mycobacteriology
Leonid B. Heifets, MD, PhD, Director, Mycobacteriology, Reference Library, Department of Medicine

The Catherine Kramer Scientist in Pediatric Medicine
Donna L. Bratton, MD, Associate Professor of Pediatrics, Division of Allergy

Marjorie & Stephen Raphael Chair in Asthma Research
Chair appointment under consideration

Margaret A. Regan Professor of Pulmonary Inflammation
Peter M. Henson, PhD, Professor, Department of Pediatrics

Veda H. and Chauncey H. Ritter Chair in Clinical Immunology
Rafael Alam, MD, PhD, Professor of Medicine and Head, Division of Allergy and Clinical Immunology

Cetalie & Marcel Weiss Chair in Pulmonary Medicine
Robert J. Mason, MD, Professor and Associate Vice President, Academic Affairs, Director, Environmental Lung Center

Helen Wohlberg & Herman Lambert Chair in Pharmacokinetics
Stanley J. Switzer, MD, Head, Pediatric Clinical Pharmacology, Director of Pediatric Clinical Trials Center, Co-Director of the Weinberg Clinical Research Unit and Director of the Clinical Research Unit, Department of Pediatrics

Wollowick Family Foundation Chair in COPD Research
Chair under funding

The Drs. Harold & Mary Zirin Chair in Pulmonary Biology
Greg P. Downey, MD, FRCP, Executive Vice President for Academic Affairs and Professor, Department of Medicine, Pediatrics and Immunology

ANNUAL CHAIRS AND PROFESSORS

Edelstein Family Chair in Adult Pulmonary Medicine
Richard J. Martin, MD, Professor and Chair, Department of Medicine

Edelstein Family Chair in Pediatric & Clinical Immunology
Donald Y. M. Leung, MD, PhD, Professor, Head, Division of Pediatric Allergy and Immunology

ENDOWED FELLOWSHIPS

Robert William Gitzen Jr. & Christopher Peter Gitzen Fellowship in Basic Immunology

Janet S. Lewald Fellowship in Basic Immunology

The Bettina Garthwaite Lowerre Fellowship in Mycobacterial Research

Helen Wohlberg & Herman Lambert Fellowship in Cancer Biology

Young Family Endowed Fellowship for Pulmonary Diseases (under funding)

ENDOWED CHAIRS AND PROFESSORS

Greg P. Downey, MD, current Drs. Harold and Mary Zirin Chair in Pulmonary Biology
Behind the Scenes

Fund Helps Improve Health in Rural Communities

The San Luis Valley in south-central Colorado is like many rural communities throughout the nation, fewer than 30 percent of children ages 7 and older have received preventive health visits in the past two years, and many residents turn to urgent care and emergency rooms for care.

A unique collaboration is working to change that. Working with the Valley’s major health and educational organizations, National Jewish Health, led by Lisa Cioutto, PhD, RN, offers children health events that include everything from lung health assessments and vaccinations to information on primary care providers and applying for health insurance.

The program is funded in part by a $131,000 grant from the Jessie Ball duPont Fund, a long-time supporter of National Jewish Health. The fund, based in Jacksonville, Florida, was established in 1970 with the estate of Jessie Ball duPont.

The program targets children in rural communities who are often unable to identify or access primary care services. It is a part of a larger initiative, the Valley Health Partnership, which is supported by the Jessie Ball duPont Fund and other community partners.

Lisa C. Cioutto, PhD, RN, Director of Community Research, with student at the Kunsberg School on the National Jewish Health campus.
The Doris M. Knafal Memorial Fund for ILD Research
The Doris M. Knafal Memorial Fund for ILD Research
Mr. & Mrs. Lawrence K. Minkoff
The Freda and Bill Kopman Fund for COPD Programs
William H. and Freda Kopman
The Laina Cain Krauter and Philip J. Krauter Fund for Basic and Cancer Research
2001 New York Retail & Fashion Industries Dinner
James D. B. & Marjorie Kuhn Fund for the Childhood Asthma Management Program at National Jewish Health
1994 New York Real Estate & Construction Industries Dinner
The Dr. Albert J. Kukral Memorial Fund for Respiratory Infections
2004 New York Real Estate & Construction Industries Dinner
The Kunsberg School Fund
Established by the Sunprize Chapter of NJMRC Lapporte Crystallography Imaging Center
Allen Lapporte
Joshua Lehman Asthma Research Fund
Ilana V. Katanah, Family & Friends
Richard & Emmy Lou Levin Family Fund for Immune System Diseases
Emmy Lou & Richard Levin
J. Leonard and Myra Levy Family Fund
Mr. & Mrs. Harvey Ball, Mr. & Mrs. Robert Frank
William R. & Noreen H. Lifton
Pediatric Asthma Fund
Linda Lichtenberg Kaplan & The Lichtenberg Foundation
Lord & Taylor Laboratory for Research in Lung Biochemistry
1981 New York Real Estate & Construction Industries Dinner
Sidney M. Louis Memorial Fund
S. M. Louis Fund, Inc.
Steve Love Fund for Asthma Research
Homestead Elementary School Lung Cancer Research Anonymous
The Harold and Reba Martin Fund for Respiratory Research
Harold & Reba Martin
The Arthur C. and Elizabeth R. Martinez Foundation
2001 New York Real Estate & Construction Industries Dinner
Michiele Sharmy Marinos Fund for Pediatric Asthma Research
Mrs. Alex Goldstein
Esther Mathias Fund for Treatment and Research in Medicine, Nursing and Psychology
Rudolf E. S. Mathias and Camille Mathias
William C. McCallie Jr. Fund for Research in Lung Diseases
1989 New York Real Estate & Construction Industries Dinner
Jonathan L. and Wendy S. Mechanic Fund for Lung Cancer and COPD Research and Treatment Programs
2009 New York Real Estate & Construction Industries Dinner
The Dorris Marcus Mendlsohn Endowment Fund
Estates of Marcus Marcus
The Robert L. and Susan Y. Mettler Fund for Clinical Research in Childhood Asthma
1999 New York Retail & Fashion Industries Dinner
The Lauder Foundation
Stephen and Evelyn Lauder Foundation
Milken Family Program in Children’s Pulmonary Diseases
Milken Family Medical Foundation
The Robert C. Miller Endowed Fund in Occupational and Environmental Medicine
Janne Schaubung
Arthur J. Mirante II Fund for Immunological Research
1990 New York Real Estate & Construction Industries Dinner
William J. & Ruth Morrison Research Fund Ruth & William J. Morris
Abraham Moszkowitz Laboratory for Asthma Research
Novartis & Novartis
Bruce E. and Wendy F. Mosler Fund for Treatment and Research of Pediatric and Adult Asthma
2010 New York Real Estate & Construction Industries Dinner
Joseph & Galia Moss Asthma Research Fund Galia & Joseph Moss
Theodore and Maxine Murphey Fund for Asthma Research Theodore & Maxine Murphey
Ira & Jacqueline Neimark Laboratory for Lung Pharmacology in Pediatrics
2000 New York Real Estate & Construction Industries Dinner
Lee C. and Joyce L. Neibart Fund for Pediatric Asthma and Adult Immunology and Rheumatology
2010 New York Real Estate & Construction Industries Dinner
Doleras and Walter Neustadt Jr. Pediatric Asthma Research Fund Waldo Foundation
New Mexico Fund for Indigent Care Annual Altruist Alzheimer Disease Fund
Carol D. Nichols Research Laboratories in Immunodeficiency Diseases
1985 New York Real Estate & Construction Industries Dinner
The Amolto & Regina Orlick Fund for Pediatric Immunodeficiencies
1980 New York & Fashion Industries Dinner
The Maurice J. Dringr Fund for Immunologic Research in Asthma Estate of Maurice J. Dringr
Morris Perlmutter Fund
Suny M. Kronsztadt, Family & Friends
Mary Pickford Fund for Emphysema Research
Mary Pickford Foundation
Bolton Polonsky Fund for Capital Equipment
Bolton Polonsky
The Gene & Ruth Posner Foundation’s Center for Pulmonary Rehabilitation
The Gene & Ruth Posner Foundation
Nathan and Rose B. Posner Fund for Emphysema Research
Nathan & Rose B. Posner
The Wayne Pruitt Memorial Fund for Emphysema and Other Chronic Obstructive Pulmonary Diseases (COPD)
2005 New York Real Estate & Construction Industries Dinner
Michel & Florence Kutner Rambar Memorial Fund
Ann & Carl Kopmark
Rhode Island Fund for LUNGLINE
Rhode Island Friends
Rhode Island Fund for Pediatric Asthma Research
2006 Humanitarian Award Luncheon
Chaucery B. & R. Tucker Program in Asthma
Mr. & Mrs. Chaucery Ritter
L минимум $1100 million
Foundation for Research in Asthma
Jack Roberts
Justine C. Rosen Fund Family Resource Center
Justine C. Rosen
The Eleaner T. and Samuel J. Rosenfeld Fund for Research in Asthma
The Eleaner T. and Samuel J. Rosenfeld Foundation
Marsha & Kenneth L. Tucker Library Fund
Marsha & Kenneth L. Tucker
The Hal J. and Shari Upbin Fund for Immunology Research
2011 Retail & Fashion Industries Dinner
Van Pelt Foundation Research Fund
Directors of the Van Pelt Foundation
Vanessa C. and Maxine & Don E. Vestal
The Mark A. and Lisa J. Walsh Fund for Immunology and Allergy Research
2001 New York Real Estate & Construction Industries Dinner
Mary Nan West Memorial Fund
2001 San Antonio Dinner
Thomas D. Welch Memorial Fund for Asthma Research in Lung and Immune Diseases
1997 New York Real Estate & Construction Industries Dinner
Samuel L. Westerman Immunology Research Fund
The Westerman Foundation
Medora White Research Fund
Family & Friends, Dallas, Texas
The Helen H. and Horace Lambert Laboratory for Pharmacokinetics Research
Helen Lambert
Melanie Gray Wolf Pediatric Fund
Melvin & Elaine Wolf Foundation
Sidney A. Wolf Patient Education Program Jonathon C. & Claire F. Goodman Memorial Foundation
Wu & Ny Foundation Families for Rehabilitation
Charles H. & Cheryl W. Zickefolt
Allan & Joyce Zidell
Tuberculosis Research Laboratory
Joyce & Alan Zidell
Ina Zipper Memorial Fund for Immunological Research
Family & Friends
The Natalie V. Zucker Research Center for Women Scientists – An Endowed Fund for Scientists, Scholars and Researchers
Dr. Natalie V. Zucker
Zuckerman Family/Canyon Ranch Structural Biology Institute
Mel Zuckerman & Family & Canyon Ranch
RESEARCH AND EDUCATIONAL SUPPORT

The following corporations, foundations and organizations provided research grants, contract and educational support for a variety of investigators and laboratories at National Jewish Health.

American Academy of Allergy, Asthma & Immunology
Asthma and Allergy Foundation of America
Abbott Laboratories Inc.
Actelion Clinical Research, Inc.
American Diabetes Association
American Heart Association
American Lung Association
Allegro Diagnostics, Inc.
Alpha One Foundation Inc.
Amgen, Inc.
Arthritis National Research Foundation
American Physiological Society
Asthmatix Inc.
American Thoracic Society
Boettcher Foundation
bioMerieux, Inc.
Boehringer Ingelheim Pharmaceuticals, Inc.
Brigham & Women’s Hospital
Cancer Research Institute
Cephalon, Inc.
Cepheid
Cystic Fibrosis Foundation
Cystic Fibrosis Foundation Therapeutics
State of Colorado
Columbia University
The COPD Foundation, Inc.
Coalition for Pulmonary Fibrosis
CSL Behring LLC
CU School of Public Health
Colorado State University
University of Colorado at Boulder
Denver Health and Hospital Authority
Department of Defense
Department of Energy
Department of Justice
Nabi Biopharmaceuticals
National Institutes of Health
Novartis Pharmaceutical Corporation
Oak Ridge Associated Universities
Parker B. Francis Fellowship Program
City of Philadelphia, Dept. of Public Health
Pennsylvania State University
Pulmonary Fibrosis Foundation
Pfizer, Inc.
Pharmaxis Ltd
Pulmox, Inc.
Resporincs, Inc.
Rigel, Inc.
Rush University Medical Center
Sepracor Inc.
Shire Human Genetic Therapies, Inc.
Sleep Methods, Inc.
Spiration, Inc.
Washington University
Trellis Bioscience, Inc.
University of Arizona
University of Colorado at Denver
University of Colorado at Denver Health Science Center
University of California at Los Angeles
University of Cincinnati
University of Medicine and Dentistry of New Jersey
University of Michigan
University of North Carolina
University of Pittsburgh
UT Southwestern Medical Center
University of Texas Medical Branch
University of Wisconsin
Vanderbilt University
Vertex
Watson Laboratories, Inc.
ZLB Behring GmbH

NATIONAL JEWISH HEALTH EVENTS

Humanitarian Award and Spirit of Achievement Award recipients were honored at National Jewish Health events throughout the country this year.

ALBUQUERQUE, NM

New Mexico Spirit of Achievement Award Dinner
Honorees
Adelmo “Del” Archuleta
Molten-Corten & Associates
Dean Garrey Carruthers
New Mexico State University
Dinner Chairman
Sherman McCorkle
Sandia Science and Technology Park Development Corporation
Chairman, National Jewish Health
New Mexico Regional Council of Trustees
Dinner Treasurer
Marcia Hembree, Bank of Albuquerque
Master of Ceremonies
Debbie Moore, Rio Rancho Regional Chamber of Commerce

ASPEN, CO

Bella Sera Honorees
Betty & Bob Gates
Betty Weiss
Co-Chairs
Denise & Warren Cohen
Barbara & Aaron Fleck
Patricia & Richard Kent
Alex Kaufman
Madeleine & Karl Larson
Dorothy & Hal Thau
Kathy Weiss & Dick Stephenson

ATLANTA

Atlanta Golf Outing
Hosts
Arthur M. Blank
Chairman, President and CEO of AMB Group, LLC
Chairman of The Arthur Blank Family Foundation
Peter J. Mallen
Chairman of United Knitting
President, Mallen Industries
President, Mallen Family Foundation, Inc
Robert I. Paller
Attorney at Law, Smith, Gambrell & Russell, LLP

BOCA RATON, FL

New Directions for Women Luncheon
Chair
Rhona Guberman
Honorary Chair
Lila Siegel

CHICAGO

An Evening of Handcrafted Wines from Israel … TASTE HISTORY
Honoree
Kenneth L. Tucker
Co-Chairs
Sheryl Tucker, Lower Electric, LLC
Maureen Shure, Smothers Realty Group
Featuring Israeli Wine Experience by Oded Shoham
The Israeli Wine Experience
Co-Chairs
Sheryl Tucker, Lower Electric, LLC
Featuring Israeli Wine Experience by Oded Shoham

DALLAS

Dallas Bella Sera Honoree
Nesa and Larry Anders
President’s Award
Allan Zidell

DENVER

Beaux Arts Ball
Presenting Sponsor
Margridge Family Foundation
Grand Marshals
Colleen and Javier Baz
Sharon and Lanny Martin
Sheila and Hassan Salem
Lorber Award Recipient
U.S. Senator Daniel K. Inouye

L.A. VOGUE

Breath of Life Celebrity Golf Classic
Hosted by Tommy DeVito & Friends
Honorary Chair
Tommy DeVito
Co-Chairs
John J. Knott II, CBRE
Michael E. Minden, Michael E. Minden Diamond Jewelers
Brad Schneip, Schneip Enterprises LLC
Dr. Jerry Schwartz, Jerry Schwartz MD & Associates

L.A. VOGUE

Black and White Ball Presented by L.A. Professional Services
Honorees
Carlos L. Chacon, Union Bank
Mark Levinson, Greenberg Traurig, LLP
Honoree Committee Co-Chairs
Guy K. Fuchs, Wells Fargo Capital Finance
Steven Weinstein, Markmakter Capital, LLC

Cocktails & Karaoke
Event Chair
Gary Schwartz
Schwartz Forensic Consulting Group
Kunsberg Chair
Brian Parks
The Distinguished Programs Group
Hoops & Hoopla
Hoops Coaches
Justin Cooper
GE Johnson Construction Company
David Gremer, Gremer Electric
Rich Klepper, Mortenson Construction
Jerry Laflin, BDK, LLP
Kevin Larington, Trauman & Shreve
Ward Mahanke, TST Inc. of Denver
Tom Tarver, Gremer Electric
Kris Wintroub, Gremer Electric
Kunsberg Classic
Co-Chairs
Marc Steron, Shanahan’s
Eddie Robinson, Robinson Dairy

LOS ANGELES

Alumni Honor Award Presented by the Alumni
Honoree
Ursula S. Kleberg, The University of Texas at Austin
Co-Chairs
George R. Blau, The University of Southern California
Tom Tarver, Trautman & Shreve

NATIONAL JEWISH HEALTH EVENTS

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New Mexico Spirit of Achievement Award Dinner
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Adelmo “Del” Archuleta
Molten-Corten & Associates
Dean Garrey Carruthers
New Mexico State University
Dinner Chairman
Sherman McCorkle
Sandia Science and Technology Park Development Corporation
Chairman, National Jewish Health
New Mexico Regional Council of Trustees
Dinner Treasurer
Marcia Hembree, Bank of Albuquerque
Master of Ceremonies
Debbie Moore, Rio Rancho Regional Chamber of Commerce

ASPEN, CO

Bella Sera Honorees
Betty & Bob Gates
Betty Weiss
Co-Chairs
Denise & Warren Cohen
Barbara & Aaron Fleck
Patricia & Richard Kent
Alex Kaufman
Madeleine & Karl Larson
Dorothy & Hal Thau
Kathy Weiss & Dick Stephenson

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Chairman, President and CEO of AMB Group, LLC
Chairman of The Arthur Blank Family Foundation
Peter J. Mallen
Chairman of United Knitting
President, Mallen Industries
President, Mallen Family Foundation, Inc
Robert I. Paller
Attorney at Law, Smith, Gambrell & Russell, LLP

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Chair
Rhona Guberman
Honorary Chair
Lila Siegel

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An Evening of Handcrafted Wines from Israel … TASTE HISTORY
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Co-Chairs
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Maureen Shure, Smothers Realty Group
Featuring Israeli Wine Experience by Oded Shoham
The Israeli Wine Experience
Co-Chairs
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Featuring Israeli Wine Experience by Oded Shoham

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President’s Award
Allan Zidell

DENVER

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Margridge Family Foundation
Grand Marshals
Colleen and Javier Baz
Sharon and Lanny Martin
Sheila and Hassan Salem
Lorber Award Recipient
U.S. Senator Daniel K. Inouye

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Breath of Life Celebrity Golf Classic
Hosted by Tommy DeVito & Friends
Honorary Chair
Tommy DeVito
Co-Chairs
John J. Knott II, CBRE
Michael E. Minden, Michael E. Minden Diamond Jewelers
Brad Schneip, Schneip Enterprises LLC
Dr. Jerry Schwartz, Jerry Schwartz MD & Associates

L.A. VOGUE

Black and White Ball Presented by L.A. Professional Services
Honorees
Carlos L. Chacon, Union Bank
Mark Levinson, Greenberg Traurig, LLP
Honoree Committee Co-Chairs
Guy K. Fuchs, Wells Fargo Capital Finance
Steven Weinstein, Markmakter Capital, LLC

Cocktails & Karaoke
Event Chair
Gary Schwartz
Schwartz Forensic Consulting Group
Kunsberg Chair
Brian Parks
The Distinguished Programs Group
Hoops & Hoopla
Hoops Coaches
Justin Cooper
GE Johnson Construction Company
David Gremer, Gremer Electric
Rich Klepper, Mortenson Construction
Jerry Laflin, BDK, LLP
Kevin Larington, Trauman & Shreve
Ward Mahanke, TST Inc. of Denver
Tom Tarver, Gremer Electric
Kris Wintroub, Gremer Electric
Kunsberg Classic
Co-Chairs
Marc Steron, Shanahan’s
Eddie Robinson, Robinson Dairy

LOS ANGELES

Alumni Honor Award Presented by the Alumni
Honoree
Ursula S. Kleberg, The University of Texas at Austin
Co-Chairs
George R. Blau, The University of Southern California
Tom Tarver, Trautman & Shreve
2012 BEAUX ARTS BALL
More than 1,100 people joined National Jewish Health to “Salute the Stars and Stripes” at the 2012 Beaux Arts Ball on March 10, 2012. The event raised $2 million for the institution and the research and treatment of lung disease and injuries that veterans may face as they return from overseas deployments. The Beaux Arts Ball, one of the most anticipated annual social galas in Denver, brought the celebratory feel of the 1940s, post-World War II era back to life amid the backdrop of the antique airplanes at Hangar #1 at Wings Over the Rockies Air and Space Museum in Denver’s Lowry neighborhood.

Presenting Sponsor
Morggridge Family Foundation

Platinum Sponsors
U.S. Bank
Joyce Zeff

Gold Sponsors
Colleen and Javier Baz
Brownstein Farber Hyatt Schreck, LLP
The Gart Companies
Rebecca and Lewis Kling
MDC/Richmond American Homes Foundation
Sharon and Lanny Martin/Platte River Ventures
The Piton Foundation

2011 Winter’s Eve New York Real Estate & Construction Industries Dinner in Honor of Marc Holliday
This event established the Holliday Memorial Fund for Lung Cancer Research.

Honoree’s Circle: $50,000 or More
Alliance Building Services
CB Richard Ellis
Fidelity National Title Insurance Company
Greenberg Traurig LLP
The Holliday Foundation
McGovern & Company, LLC
SL Green Management LLC
SL Green Realty Corp
Transel Elevator & Electric Inc
WS Group LLC

Founders: Gifts of $25,000 or More
ACC Construction Corporation
Area Property Partners
Cassidy Turley New York, Inc.
C. R. & Sons & Foundation, Inc.
Chicago Title Insurance Company
Commonwealth Land Title Insurance Company
Cornerstone Accounting Group
Crossland Mechanical, Inc.
Cushman & Wakefield, Inc.
Fidelity National Title Insurance Company Consulting Associates of NY, Inc.
Cornerstone Accounting Group
Croxall Mechanical, Inc.
Cushman & Wakefield, Inc.
Finally Construction
Fried, Frank, Harris, Shriver & Jacobson LLP
FTI Consulting Inc.
Mindy & Jon Gray
Haynes & Boone, LLP
J.T. Magen & Company, Inc.
Jones Lang Lasalle Americas
Steven Kohn
KPF Foundation
The Kuhn Family
S. & C. Kushner Family Foundation
The Linvin Foundation Inc.
MC Energy
Northwood Investors LLC
Newmark Knight Frank

P&J Mechanical Corp
Royal Abstract Corp of NJ Royal Abstract of New York LLC
Skadden, Arps, Slate, Meagher & Flom, LLP
Square Mile Capital Management LLC
Stempel Bennett Claman & Hochberg, P.C.
Stonehenge Management, LLC
Structure Tone Inc.
Tener Consulting Services LLC
Tishman Construction Co of New York
Werner Krebs Inc.

Patrons: Gifts of $15,000 or More
5 Penn Plaza LLC
Advantage Title Agency Inc.
Bank of America
Boca Group International, Inc.
Mr. & Mrs. Frank Cohen
Eastbll Realty Co, LLC
Empire Asset Management
Firequench Inc.
First American Title Insurance Company
Iron Hound Management Company, LLC
Kasowitz Benson Torres & Friedman LLP
James T. Lee Foundation, Inc.
Lincoln Land Services, LLC
Loffredo Brooks Architects P.C.
MG Engineering, P.C.
Morgan Stanley
Murray Hill Properties
Newmark Retail LLC
The Cozen O’Connor Foundation, Inc.
Paul, Weiss, Rifkind, Wharton & Garrison, LLP
Pal Environmental Safety Corp
Pal Environmental Safety Corp
Palm Management
Wendy & Steve Siegel
Skyline Restoration, Inc.
Studley Inc.
Titanium Scaffold Services, LLC
TPG Planning & Design, LLC
Wells Fargo Bank, N.A.

Benefactors: Gifts of $10,000 or More
ABM Janitorial Services
Broadfield Financial Prop L.P.
C/O Broadfield Properties
Cadwalader, Wickersham & Taft LLP
Cambridge Floral Designs
Louis Cappelli
Cerberus Capital Management LP
Blackacre Capital Management
CIBC World Markets Corporation
Deloitte Services LP
Deutsche Bank
Eurotrip AG
Fel Family Foundation
Ferrari Enterprises Inc.
Fred Gailer Electrical Inc.
The Gart Companies
Gardiner & Theobald Inc.
Genery Worldwide, Inc.
Mr. & Mrs. Stephen Green
Holliday Fenoglio Fowler, L.P.
Industrial Cooling, Inc.
Investcorp International Inc.
Joseph P. Day Realty Corp.
L&M Associates of NY Inc.
Lazard, Freres & Co, L.L.C.
Madison Entertainment Associates
Malam Management LLC
Christina & Andrew Mathias
Murray & Gaunt Partners
Normandy Real Estate Fund II, LP
Paramount Group Inc.
Marisa & Richard Stadmayer
Family Foundation
STOck & Stroock & Lavan LLP
RREEF
RXR
Vornado Realty L.P.
The Walsh Company, LLC
The Widlow Group
The Chairman’s Award for Special Achievement is presented by the chairman of the Board of Directors to recognize those who made exceptional contributions to National Jewish Health during the past year.

### CHAIRMAN’S AWARD RECIPIENTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Name(s) &amp; Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Kenneth L. Tucker (Boettcher Foundation) Adolph Coors Foundation</td>
</tr>
<tr>
<td>2010</td>
<td>Molly Blank (H. A. &amp; Mary K. Chapman Charitable Foundation) Mrs. Frances B. Cohen Brian Greenspun</td>
</tr>
<tr>
<td>2009</td>
<td>No award given</td>
</tr>
<tr>
<td>2008</td>
<td>Edelstein Family Foundation (Mrs. Edith S. McAllister, Mr. Milton Schneiderman)</td>
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<tr>
<td>2007</td>
<td>No award given</td>
</tr>
<tr>
<td>2006</td>
<td>Alex Fryburg (Bella Feinstein (Doug &amp; Dale Anderson) Steve G. Schorr (Rachel Kodanaz Taner Kodanaz)</td>
</tr>
<tr>
<td>2005</td>
<td>Amy M. Murnick, Jay M. Murnick (Lee S. Murnick (New York AIR Society)) Myra Schaps (Van Pelt Foundation)</td>
</tr>
<tr>
<td>2004</td>
<td>Armstrong McDonald Foundation (C.L.C. Kramer Foundation) Abraham &amp; Sonia Rochlin Foundation (Grand Aerie Order of Eagles)</td>
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<tr>
<td>2003</td>
<td>Carol Aaron (Philip Leitman) Lucille Raphael Dale &amp; Joseph Schuble (Ralph Tarnberg)</td>
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<tr>
<td>2002</td>
<td>Daniel Freed (Irm Jacobson Jeffrey H. Kaplan Samuel Lewis Robert Paller Lila Siegel David Sonnenblick)</td>
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<td>2000</td>
<td>Evelyn Best (Paul R. Charron (Sherman McCorkle Howard Michnick Milton Morris)</td>
</tr>
<tr>
<td>1999</td>
<td>Carole &amp; Albert Angel (Marianne Cohn David Liniger Roger Gibson Samuel J. Rosenfeld Melba Steeg)</td>
</tr>
<tr>
<td>1998</td>
<td>Maurice Austin (Mike O’Callaghan Bill Gold Ron Ruskin Allan Zidell)</td>
</tr>
<tr>
<td>1996</td>
<td>Leonard Boxer (Larry Buchanan Kenneth Cirba Cary Marsis Henry Zarrow Jack Zarrow)</td>
</tr>
<tr>
<td>1994</td>
<td>Robert L. Mettler (Carol D. Nichols Randy Rutherford)</td>
</tr>
<tr>
<td>1993</td>
<td>Carole &amp; Albert Angel (Marianne Cohn David Liniger Roger Gibson Samuel J. Rosenfeld Melba Steeg)</td>
</tr>
<tr>
<td>1991</td>
<td>Leonard Boxer (Larry Buchanan Kenneth Cirba Cary Marsis Henry Zarrow Jack Zarrow)</td>
</tr>
<tr>
<td>1990</td>
<td>The New York AIR Society (Joseph Berenbaum, Esq. Sunya Kronstadt Michele S. Marvin)</td>
</tr>
<tr>
<td>1989</td>
<td>Robert L. Mettler (Carol D. Nichols Randy Rutherford)</td>
</tr>
</tbody>
</table>

Behind the Scenes

**commitment**

Research Honors Flight Attendants’ Commitment to Safe Air Travel

Do you remember air travel before cigarette smoking was banned on airplanes? Patty Young does. The former flight attendant remembers tobacco smoke turning her white gloves the color of coffee, and vomiting after hours of inhaling secondhand smoke. She remembers doctors telling her coworkers that they had the lungs of smokers even though they had never smoked a day in their lives.

Patty’s flight to ban smoking on airplanes and in public places resulted in a class action lawsuit against the tobacco industry. In 1997, a settlement created the Flight Attendant Medical Research Institute (FAMRI), of which Patty is now a trustee. Its mission is to sponsor scientifc or medical research for early diagnosis and cure of diseases caused by exposure to tobacco smoke.

FAMRI has funded 13 research projects at National Jewish Health, totaling $3.4 million. Current projects include research into the effect of cigarette smoke on the cells that line the lungs and the lung’s ability to heal from injuries caused by smoke.

“FAMRI reminds researchers why we chose careers in biomedical research and motivates us to work even harder to develop new strategies for smoking-related lung disease,” said past FAMRI grant recipient Rachel Zemans, MD.

210,000

Number of people who have donated to National Jewish Health since July 2002.
The Arthur B. Lorber Award for Distinguished Service, the highest honor at National Jewish Health, recognizes singular achievement in helping to advance medical science. Under Arthur Lorber’s leadership, the Sheltering Home grew from an orphanage into the premier treatment center for respiratory diseases in the United States.

LORBER AWARD RECIPIENTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient(s)</th>
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</thead>
<tbody>
<tr>
<td>2011</td>
<td>The Honorable Daniel K. Inouye, U.S. Senator</td>
</tr>
<tr>
<td>2010</td>
<td>Michael &amp; Iris Smith</td>
</tr>
<tr>
<td>2009</td>
<td>No award given</td>
</tr>
<tr>
<td>2008</td>
<td>Norman Brownstein, Esq; Mrs. Wendy Siegel</td>
</tr>
<tr>
<td>2007</td>
<td>No award given</td>
</tr>
<tr>
<td>2006</td>
<td>No award given</td>
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<tr>
<td>2005</td>
<td>No award given</td>
</tr>
<tr>
<td>2004</td>
<td>Herbert L. Ash</td>
</tr>
<tr>
<td>2003</td>
<td>No award given</td>
</tr>
<tr>
<td>2002</td>
<td>The Fund To Cure Asthma; Nancy &amp; James Berry Hill; Majorie &amp; Stephen Raphael</td>
</tr>
<tr>
<td>2001</td>
<td>Albert D. Angel</td>
</tr>
<tr>
<td>2000</td>
<td>Sonya P. Kromstadt</td>
</tr>
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<td>1999</td>
<td>Robert L. Mettler</td>
</tr>
<tr>
<td>1998</td>
<td>No award given</td>
</tr>
<tr>
<td>1997</td>
<td>Carol D. Nichols</td>
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<tr>
<td>1996</td>
<td>Peter M. Henson</td>
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<tr>
<td>1995</td>
<td>Burton M. Tansky</td>
</tr>
<tr>
<td>1994</td>
<td>Larry A. Silverstein</td>
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<td>1993</td>
<td>Leonard M. Perlmutter</td>
</tr>
<tr>
<td>1992</td>
<td>No award given</td>
</tr>
<tr>
<td>1991</td>
<td>J. Peter Grace</td>
</tr>
<tr>
<td>1990</td>
<td>Drs. Philippa Marrack &amp; John Kappler</td>
</tr>
<tr>
<td>1989</td>
<td>Conrad D. Stephenson</td>
</tr>
<tr>
<td>1988</td>
<td>Cecil Green &amp; Howard V. Rickenberg, PhD</td>
</tr>
<tr>
<td>1987</td>
<td>Richard S. Farr, MD</td>
</tr>
<tr>
<td>1986</td>
<td>Robert L. Silber &amp; David S. Touff</td>
</tr>
<tr>
<td>1985</td>
<td>Arthur Robinson, MD</td>
</tr>
<tr>
<td>1984</td>
<td>Dolly &amp; Jack Galter</td>
</tr>
<tr>
<td>1983</td>
<td>Richard N. Bluestein</td>
</tr>
<tr>
<td>1982</td>
<td>Andrew Goodman</td>
</tr>
</tbody>
</table>

ALASKA
Anonymous (1)

ARIZONA
Robert & Sylvia Gergen

COLORADO
Anonymous (3)
Howard A. Berger
Julia A. Giles
Lois A. Keller
Margie Z. McNamara
Martin & Jo Ann Semple

CONNECTICUT
Beatrice E. Mangin

DISTRICT OF COLUMBIA
Bernard Feiner

FLORIDA
Anonymous (2)
Estelle Aden
Howard A. Berger
Louise B. Scheril
Barbara Tornberg
Gilbert Wegad
Sara Sacks Wegad

ILLINOIS
Harriet S. Siegel

LOUISIANA
Nita-Joan Sams

NEVADA
Anonymous (1)

NEW JERSEY
Anonymous (2)

NEW YORK
Anonymous (3)
Joseph J. & Barbara Ann Carroll
Evelyn Ganer
Stanley Ganer
Ellen Meyers

OHIO
Irwin J. Dinn

PENNSYLVANIA
Anonymous (1)
Dr. Antonio J. L. Simoes

TEXAS
Alan M. & Karen Kurzman
Beatrice Mangin
Susan R. Oppenheimer

WYOMING
Bruce & Rocky Haston

21.9 Million dollars donated to National Jewish Health in FY 2012

The National Jewish Health Legacies of Hope is a society established to recognize all those supporters who have included National Jewish Health in their estate and financial plans, including a will, charitable gift annuity, trust or insurance policy. The legacy of these gifts will live on for generations, helping to ensure that National Jewish Health will continue its mission to heal, to discover, and to educate as a preeminent health care institution.

The following names are new Legacies of Hope members who added National Jewish Health to their estate plans between July 1, 2011, and June 30, 2012.

PRESIDENT’S AWARD RECIPIENTS

The President’s Award, which is given only occasionally, pays tribute to business and philanthropic leaders whose support goes far beyond the usual to promote the mission and vision of National Jewish Health.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Roger A. Silverstein; Allan Zidell</td>
</tr>
<tr>
<td>2010</td>
<td>Rich Baer; Natalie Zucker</td>
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<tr>
<td>2009</td>
<td>Diane &amp; Charles Gallagher Family Foundation</td>
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<tr>
<td>2008</td>
<td>Monfort Family Foundation</td>
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<tr>
<td>2007</td>
<td>No award given</td>
</tr>
<tr>
<td>2006</td>
<td>No award given</td>
</tr>
<tr>
<td>2005</td>
<td>Drs. Harold &amp; Mary Zirin; Sherman McCorkle; Myra Levy</td>
</tr>
<tr>
<td>2004</td>
<td>No award given</td>
</tr>
<tr>
<td>2003</td>
<td>Thomas M. Flexner; James D. Kuhn; Milton Morris; Wendy M. Siegel</td>
</tr>
<tr>
<td>2002</td>
<td>Molly Blank</td>
</tr>
<tr>
<td>2001</td>
<td>Seryl &amp; Charles Kushner</td>
</tr>
<tr>
<td>2000</td>
<td>Louise &amp; Richard Alderson</td>
</tr>
<tr>
<td>1999</td>
<td>The Honorable Ben Nighthorse Campbell, U.S. Senator</td>
</tr>
<tr>
<td>1998</td>
<td>Norman Brownstein, Esq.</td>
</tr>
<tr>
<td>1996</td>
<td>Alan Landsburg</td>
</tr>
</tbody>
</table>

2011 - 2012

The following names are new Legacies of Hope members who added National Jewish Health to their estate plans between July 1, 2011, and June 30, 2012.

ALASKA
Anonymous (1)

ARIZONA
Robert & Sylvia Gergen

COLORADO
Anonymous (3)
Howard A. Berger
Julia A. Giles
Lois A. Keller
Margie Z. McNamara
Martin & Jo Ann Semple

CONNECTICUT
Beatrice E. Mangin

DISTRICT OF COLUMBIA
Bernard Feiner

FLORIDA
Anonymous (2)
Estelle Aden
Howard A. Berger
Louise B. Scheril
Barbara Tornberg
Gilbert Wegad
Sara Sacks Wegad

ILLINOIS
Harriet S. Siegel

LOUISIANA
Nita-Joan Sams

NEVADA
Anonymous (1)

NEW JERSEY
Anonymous (2)

NEW YORK
Anonymous (3)
Joseph J. & Barbara Ann Carroll
Evelyn Ganer
Stanley Ganer
Ellen Meyers

OHIO
Irwin J. Dinn

PENNSYLVANIA
Anonymous (1)
Dr. Antonio J. L. Simoes

TEXAS
Alan M. & Karen Kurzman
Beatrice Mangin
Susan R. Oppenheimer

WYOMING
Bruce & Rocky Haston
NATIONAL JEWISH HEALTH BEQUESTS

Those who remember National Jewish Health in their estate plans leave a lasting legacy in support of our programs. During fiscal year 2012, the friends listed below remembered National Jewish Health with bequests that will further our mission.

COLORADO
Sanford Y. Alpert
Lillian Bloom
Hazel M. Crisman
Arthur Hayadin
Harold H. Hollis
Janie E. Hurd
Mary C. Jorgenson
Rubin Kravitz
Lillian M. Nilsson
Richard A. Perry
Alberta C. Prosko
Esther J. Pressel
Leo Stillman
Walker H. Straus
Elizabeth J. Wright

CONNECTICUT
Carolyne Lee W. Goudchaux

DELWARE
Ida F. Schatzman

DISTRICT OF COLUMBIA
Helen S. Boston
Paul Carlstedt
Robert D. & Ruth A. Provasoli

FLORIDA
Neva Davis
Helen Gross
Jules Jacobsen
Neuman Glenn McVey
Mary E. Murdock
Beatrice Mersereau
Oscar S. Willemsen

GEORGIA
Barbara C. Jones
Franzis L. Murray

ILLINOIS
Jeanette Chalet
Lezlie Davis
Sheila B. Hardy
Pierce F. Lippman
Susannah H. Lippman
Milton W. and Beatrice Rohde
Rose Tapp

MARTHA WHITTEMORE
Myra Levy

MINNESOTA
Rose Mary Lang
Irving N. Sadoff

MISSOURI
Herman B. and Ruth W. Blum
Robert B. Kahn

NEVADA
David Eddings
Frank D. Fernald

NEW HAMPSHIRE
Benjamin S. Cohen
Gladys Klein

NEW JERSEY
Selma R. Nudenberg
Larry Stock

NEW MEXICO
Eileen Renee DeDea

NEW YORK
Kurt Adler
Florence Anton
Ruth G. Aron
Frances Blumenthal
Gode Badek
Oscar H. Friedman
Elaine H. Graham
Robert S. Hennes
Mathilda Kamerman
Lucille K. Katzen
Irma G. Miller
Maurice J. Dringer
William R. Schneider
Eugenie Weinberg

NORTH CAROLINA
Jerome Shain

OHIO
Paul van der Veer
Lisa Weintraub Memorial Fund of the Jewish Community Federation of Cleveland

OKLAHOMA
Blanche C. Kelly
Dora Roberts

PENNSYLVANIA
Joseph Balsham
Ruth M. Binkley
Jacob Katz
Fernal Marler
Rose Noon
Emmett E. Ressler

RHODE ISLAND
Ann Edelstein

SOUTH CAROLINA
Ruth D’Ati

SOUTH DAKOTA
Ken & Lois Borecky Fund of the South Dakota Community Foundation

TEXAS
Marcia Keller
Richard W. Wechsler

VIRGINIA
Gerald Morgan, Jr.

WISCONSIN
Millie Fusfeld

FRANCES WISEBART JACOBS FOUNDER’S SOCIETY – $10,000,000+
Alixuiaries of National Jewish Health
David and Leigh Eddings

THE CHAIRMAN’S SOCIETY - $5,000,000-$9,999,999
Anonymous (1)
Estate of Milton Morris
Ines & Michael S. Smith

PRESIDENT’S SOCIETY - $1,000,000-$4,999,999
Anonymous (3)

HONOR ROLL OF PHILANTHROPY

LIFETIME ACHIEVEMENT SOCIETIES

The Frances Wisebart Jacobs Founder’s Society, the Chairman’s Society and the President’s Society pay tribute to the lifetime giving of individuals, foundations and corporations whose steadfast support serves as inspiration to others and whose dedication has helped make National Jewish Health a world-renowned institution.

Estate of Dorothy Lord
Estate of Rudolf E. Mathias
Armstrong McDonald Foundation
Estate of Selma Merkin
Estate of Beatrice Mersereau
Estate of Irma G. Miller
Ambrose Monell Foundation
Montfort Family Foundation
Estate of Norma W. Moon
John D. and Carrie Morgridge
Estate of Maxine B. Murnick
Estate of Eleanor Posner
Marjorie & Stephen Raphael
Veda H. Ritter

Abraham & Sonia Rochlin Foundation
Estate of George W. Rose
Estate of David M. Rosenbaum
Estate of Lizi Rothenstreich
Salon National La Boutique Des Huit Chapeaux au Quatre Femmes
Estate of Lena Strauss
Sunshine Chapter
Mr. & Mrs. Don E. Vestal
Wal-Mart Stores, Inc.
Wallowick Family Foundation
Estate of William Woolner
Drs. Harold and Mary Zizin
Natalie V. Zucker/Zucker Family Trust
HONOR ROLL OF PHILANTHROPY

ANNUAL GIVING CIRCLES

<table>
<thead>
<tr>
<th>Contribution Range</th>
<th>Donors</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000,000 OR MORE</td>
<td>Anonymous (PA), Sally Lease Bartatlo (CO), Theodore &amp; Maxine B. Murnick (NJ)</td>
</tr>
<tr>
<td>$500,000-$999,999</td>
<td>Harry Eisenoff (FL), Randall VanWolfflinke (TX)</td>
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<tr>
<td>$100,000-$499,999</td>
<td>Anonymous (AL), Anonymous (FL), Anonymous (NY)</td>
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<tr>
<td>$50,000-$99,999</td>
<td>Anonymous (CA), Anonymous (FL), Anonymous (NY)</td>
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<tr>
<td>$15,000- $24,999</td>
<td>Alliance Building Services (NY), Bank of America (RI)</td>
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<tr>
<td>$25,000-$49,999</td>
<td>Bank of America (RI), J&amp;S Audio Visual (CO)</td>
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<tr>
<td>$50,000-$99,999</td>
<td>Rebecca Runyon Bryan (AL), James E. Barlett (CO)</td>
</tr>
<tr>
<td>$100,000-$499,999</td>
<td>Mr. &amp; Mrs. Javier Baz (CO), Mr. &amp; Mrs. Lewis M. Kling (CO)</td>
</tr>
<tr>
<td>$500,000-$999,999</td>
<td>Brownstein Hyatt Farber Schreck, LLP (CO), Mr. &amp; Mrs. John Z. Kukral (NY)</td>
</tr>
<tr>
<td>$1,000,000 OR MORE</td>
<td>Commonwealth Land Title Insurance Co. (NY), Werner Krebs (NY)</td>
</tr>
<tr>
<td>$2,000,000 OR MORE</td>
<td>Barbara Ann &amp; Joseph J. Carroll (NY), James D. Kuhn (NY)</td>
</tr>
</tbody>
</table>

National Jewish Health is grateful for the generous contributions from individuals, corporations and foundations from across the country and around the world. The following is a list of those who made gifts of $500 or more in Fiscal Year 2012.
National Jewish Health commitment

Louis Cappelli (NY)
Cambridge Floral Designs (NY)
Cadwalader, Wickersham & Taft LLP (NY)
Mr. & Mrs. Matthew Bucksbaum (IL)
Pearl Brooks Family Foundation, Inc. (FL)
Martin and Mary L. Boyer Foundation (IL)
Howard A. Berger (FL)
Berenbaum, Weinshienk, P.C. (CO)
Beacon Capital Partners, LLC (MA)
Elise and Brian Barish (CO)
The Bank of NY Mellon (NY)
Margaret Sue & Harvey Allon (CO)
Anonymous (CO)
Joy Wonsowicz (CA)

$10,000-$14,999

Mr. & Mrs. Brian F. Juodzevich (NY)
Joseph P. Day Realty Corp. (NY)
Industrial Cooling, Inc. (NY)
In Jesus’ Name! Fund (CO)
GH Phipps Construction Companies (CO)
Genergy Worldwide (NY)
Markets Services, Inc. (FL)

$5,000-$9,999

Kenny Wyatt (CO)
The Witkoff Group (NY)
Vornado Realty Trust (NY)

$1,000-$4,999

Mr. & Mrs. Burton E. Belzer (CA)
James Berenbaum/Dr. Wendy Berenbaum/ Joseph & Penny Berenbaum Family Foundation (CO)
Mr. & Mrs. Ronald D. Berge (CO)
Frederick M. Bering (CT)
Stephen & Penny Foundation (NY)

Other

Anonymous (FL)
Anonymous (FL)
Number of donors who gave more than $500 to National Jewish Health in FY 2012

2,049
Thanks to the following people for their invaluable contributions to the writing, photography, design and production of this annual report.

Writing & Editing: William Allstetter
Writing: Jennifer Beck, Catherine Dold, Adam Dormuth, Maria Mickiewicz, Bridget O'Toole
Graphic Design: Deborah Beebe, Debra Beaudette
Publications Manager: Ru Ciel
Chief Communications & Marketing Officer: Lauren Green-Caldwell

Photo credits:
Dan Sidor: covers and pages 2, 4, 6, 8, 10, 14, 19, 20, 24, 27, 33, 45, 53
Tod Martins: page 16
Beth Reinick: pages 9, 12, 17, 36, 37, 43
Kim Walker: page 22
Science Photos, Page 18 (left to right): Stijn De Langhe; Phillip H. McKee, MD; Alan Grossfield & Tod Romo, University of Rochester; Marcia Ward

Featured on the Front Cover are: Roberta Pelanda, PhD; and Raul Torres, PhD
Featured on the Back cover are: (left to right) Andy Getahun, PhD; Lenka Tedorová, PhD; and Chiara Babolin, PhD

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Behind the Scenes

Much of what occurs at National Jewish Health, what makes it a premier academic medical center, occurs behind the scenes, out of sight from most patients and visitors. Research, collaboration and diagnostic detective work occur every day in offices, laboratories, and radiology reading rooms outside of the public view. In this annual report, we take you behind the scenes to see the excellence, leadership, discovery, collaboration and commitment that define Care and Discovery at National Jewish Health.