



**RAMBAM**  
Health Care Campus



אוניברסיטת חיפה  
University of Haifa  
جامعة حيفا

HEALTH DISCOVERY TOWER



# HEALTH DISCOVERY TOWER

More for Health  
and Medicine

***Supporting the Health Discovery Tower advances Israel's commitment to leadership in biomedical research and innovation. Help us launch the project that will change the lives of Israelis and impact patient care worldwide.***

Rambam Health Care Campus, Northern Israel's primary referral hospital is joining forces with University of Haifa and the Rappaport Faculty of Medicine of the Technion, Israel's leading applied sciences and engineering university. Together, these preeminent institutions will establish a transformative health initiative that will have widespread impact in Israel and worldwide.

Haifa's Health Discovery Tower will bring together exciting next generation translational medical research in health sciences and public health. This ultramodern sentinel for integrated, clinical, and applied medical research at the heart of Israel's third largest urban center will function as a strategic national resource.



**TWENTY FLOORS**

**THREE WORLD  
RENOWNED  
INSTITUTIONS**

**A NEW PARADIGM  
FOR BIOTECH  
DISCOVERY**

*Education is not the learning of fact, but the training of the mind to think. - Albert Einstein*

# MEDICINE

## more education

Understanding and treating the human condition starts with a basic understanding of human biology and extends to multiple aspects of life—physical and social. The combination of major clinical and academic studies will promote unique collaborations possible nowhere else in the world. Academics, physicians, nurses, and medical industry will work side-by-side, promoting learning and advancing new treatments and therapies—a fertile environment for the training of future generations.

***Change the world through excellent, multi-disciplinary medical and health sciences education to benefit all aspects of human health, by supporting the Health Discovery Tower at Rambam.***

# SOO

## more health care

The greatest medical breakthroughs often begin at the bedside. Yet the path to their realization is formidable. By strategically positioning Israel's renowned academic and biotechnology research initiatives in proximity to Rambam's excellent clinical facilities and staff, the Health Discovery Tower will offer the optimal conditions for transforming promising ideas into tomorrow's healthcare solutions to extend life and improve well-being.

*Help realize our vision to streamline medical innovation and bring the healthcare discoveries of the future to the bedside today.*



# OVERVIEW

## more innovation

Making new drug therapies and technologies commercially available is a key step toward improving the human condition. Getting there is the result of hard work and numerous multidisciplinary collaborations. Provision of key facilities to The University of Haifa (6 floors), Rambam (8 floors), the Technion-Israel Institute of Technology (2 floors), and Innovation Center (4 floors) will jump-start new discoveries for the benefit of patients worldwide.

*Become a part of a new paradigm in collaboration where medicine, academia, and hi-tech intertwine.*



# EMER

**more** hope

We are all human. We cherish life for its vitality, purpose, and meaning. Yet within the span of our lifetime, the vulnerability of the human condition repeatedly confronts us. At these moments, all else is eclipsed by two essentials: hope and grace in the face of suffering.

At times like these the accomplishments of Rambam, the University of Haifa, and the Technion in the fields of medical research and advanced but compassionate health care are the most meaningful.

***Partner with us to create truly transformative medical breakthroughs—bringing hope to future generations.***



## ACHIEVING MORE... TOGETHER

*Centralization of Rambam, University of Haifa, and Technion facilities in the Health Discovery Tower will provide the ideal environment for patient-centered hands-on research discovery and global collaborations focusing on clinically driven questions and dilemmas.*



**RAMBAM**  
Health Care Campus

Creating the future of medicine.

*Rambam Health Care Campus is the largest academic research hospital in Northern Israel, affiliated with the Technion's Rappaport Faculty of Medicine, and the University of Haifa's Cheryl Spencer Department of Nursing.*

*A leader in clinical research and innovation, Rambam collaborates with industry and academia to bring the best of medical discovery through the development process leading to new treatments and therapies that impact patient care worldwide.*

*The Health Discovery Tower will be the new home for Rambam's Ophthalmology Institute, Gastroenterology Institute, and School of Graduate Dentistry, providing expanded patient services and related research facilities.*



*Founded in 1963, University of Haifa received full academic accreditation in 1972 and, since then, has developed into a world-class academic institution. Today, the University is a thriving academic center comprising 7 faculties, 54 departments, 8 schools and 64 research centers and institutes.*

*The largest comprehensive research university in Northern Israel, University of Haifa has gained an international reputation in a variety of fields, including public health, cancer research, neurosciences, bioinformatics and epigenetics.*

*Six floors of the Health Discovery Tower will be dedicated to transformational life sciences and public health research centers.*

# Achieving More Together

*An historic opportunity to  
advance human health and  
well-being through creativity,  
collaboration, and convergence  
in research and discovery*

Our combined experience in leading successful expansion projects in medical and academic institutions has equipped us with the skills and know-how to realize our shared vision of building the Health Discovery Tower – a world-class hub of innovation in life sciences, public health, biomedical engineering, and pharmaceutical research.

By bringing together researchers, start-ups, and health care professionals from Rambam Health Care Campus and University of Haifa, we will create an environment that fuels scientific investigation, discovery and innovation, and addresses today's most pressing health challenges.



**Professor Rafi Beyar**  
*Director & CEO*  
Rambam Health Care Campus



**Professor Ron Robin**  
*President*  
University of Haifa



more tech transfer



## THE TOWER WILL INCLUDE

### GROUND FLOOR

#### Congress and Exhibition Center

FLOORS 1-7

#### Rambam Health Care Campus

Clinical Research Center at Rambam (CRIR)

Ophthalmology Institute

Gastroenterology Institute

School of Graduate Dentistry

### FLOORS 8-13

#### University of Haifa

Center for Translational Research in  
Health Sciences and Public Health

Center for Evidence-Based  
Nursing Research

Research Center for Health Sciences  
and Natural Sciences

FLOORS 14-15

#### Technion - Israel Institute of Technology

Medical Engineering - Faculty of Medicine

### FLOORS 16-19

#### Innovation Center



**RAMBAM**  
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جامعة حيفا



**TECHNION**  
Israel Institute  
of Technology



## **RAMBAM** Health Care Campus

### **(GROUND FLOOR & FLOORS 1-7)**

Major developments in medicine are often the product of talented clinicians/researchers who work in the clinical environment and are able to identify today's most pressing needs.

Rambam is home to a robust, lifesaving, basic and clinical research enterprise. The hospital's clinical activities span all medical and surgical disciplines. Acclaimed worldwide for medical expertise and innovation, Rambam is a center of excellence in several medical specialties, including cardiology, oncology, surgery, and trauma.

Rambam's Congress and Exhibition Center, on the ground floor of the tower, will provide convention services and facilities for researchers, physicians, and entrepreneurs throughout Israel.

Two floors will be dedicated to the Clinical Research Institute at Rambam (CRIR), focusing on the fields of hematology, nephrology, cardiovascular medicine, gastroenterology, brain and neuroscience, cancer, diabetes, obesity, and endocrinology. The CRIR will provide all the services necessary for presenting and implementing projects, for acquiring grants, and for guiding translational research projects to eventual commercial viability. Multidisciplinary technological support will be made available for all equipment throughout the Health Discovery Tower by its Technological Support Department.

Five floors will be dedicated to Rambam's Ophthalmology Institute, Gastroenterology Institute, and School of Graduate Dentistry.

>The Ophthalmology Institute will markedly enhance services provided to Rambam's ophthalmic patients. Specialized treatment rooms, facilities for professional training and research, advanced equipment, and more will provide a comprehensive approach towards ophthalmic challenges.



***“I deeply believe that physicians who are also involved in basic science provide better clinical service to their patients because they are humbled by their appreciation of nature’s complexity and therefore weigh their clinical decisions with the greatest care.”***

*- Professor Aaron Ciechanover, 2004 Nobel Laureate  
Former Chair, Rambam Scientific Advisory Council*

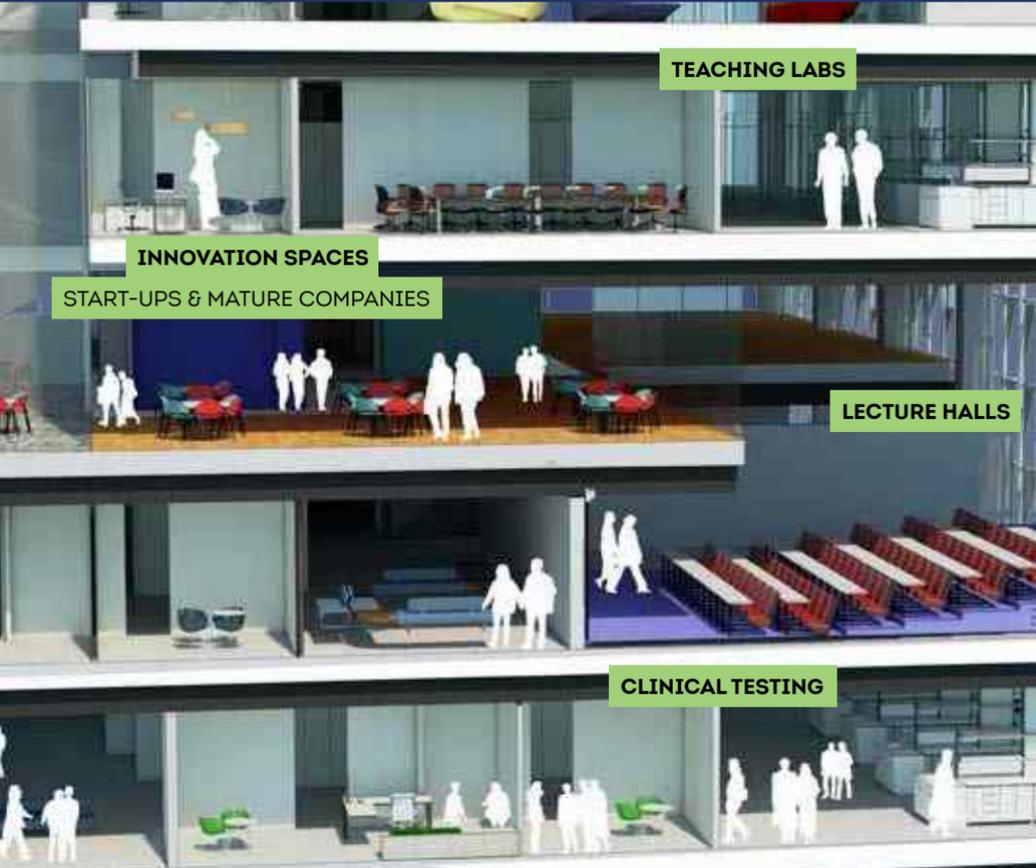


> The Gastroenterology Institute will lead in the development of novel diagnostic assays for biologic agents used to individualize and optimize therapy, and aid in the understanding of immune responses to these drugs. Extensive research will seek out new solutions for inflammatory bowel disease and the radiation damage to the intestines that follows related cancer treatment.

> The School of Graduate Dentistry is a major academic teaching center for post-graduate training. The new facilities will further extend cutting-edge research and clinical treatments in the areas of Periodontology and Implant Dentistry, Endodontology, and Maxillofacial Rehabilitation.

Basic and applied clinical research performed in the two institutes and the School of Graduate Dentistry will be leveraged by industry to promote medical advances, devices, treatments, and therapies in all related fields.

## A 20-STORY MULTIDISCIPLINARY CENTER FOR HEALTH INNOVATION



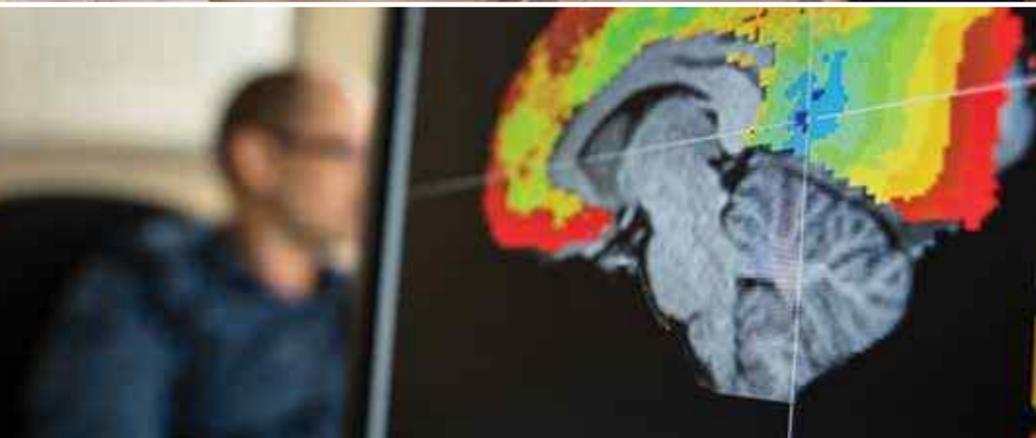


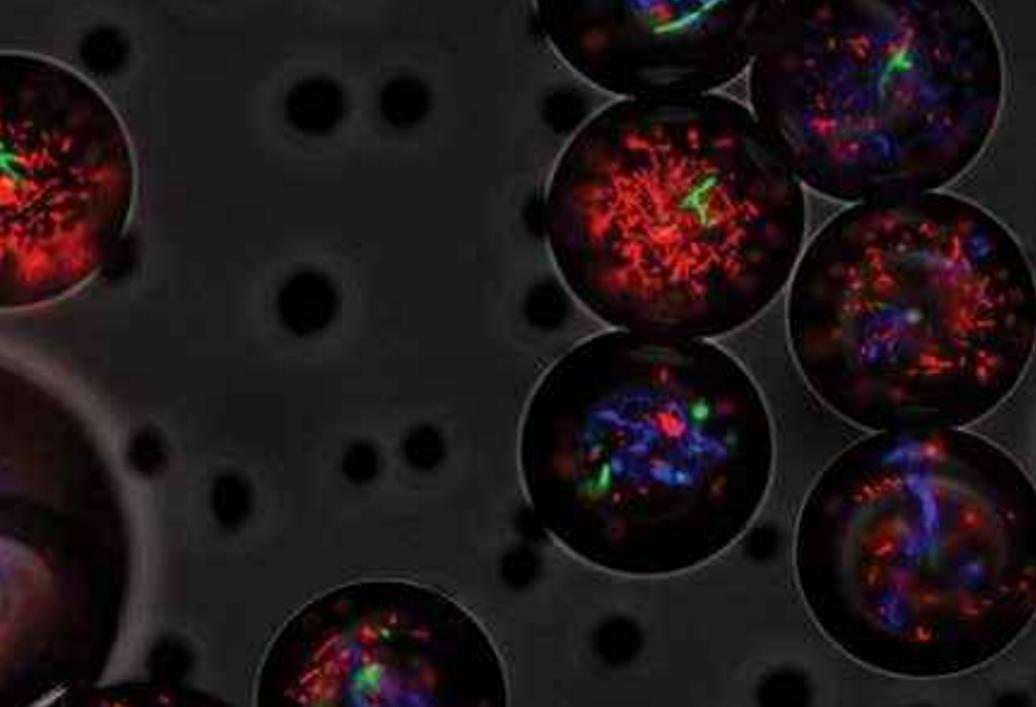
## (FLOORS 8-13)

University of Haifa is home to numerous world-class research centers and institutes, as well as IBM's Research and Technology-Haifa Research Laboratory - the largest such IBM facility outside of the U.S.A. Six floors of the Health Discovery Tower will house University of Haifa laboratories to support basic and applied research. Lab activities will engage in life sciences, public health and pharmaceutical research.

The Tower's close proximity to the hospital will enable close collaboration between University of Haifa researchers, Rambam clinicians and Technion scientists and provide access to necessary clinical resources, such as imaging devices, genetic testing and the advanced equipment systems.

The University's Center for Translational Research in Health Sciences and Public Health will work hand-in-hand with Rambam's clinician scientists to meet the most relevant health challenges. Its Center for Evidence-based Nursing Research and Research Center for Health Sciences and Natural Sciences will deal with questions and challenges that have a direct connection to medicine and the biophysics of drug development, neurobiology, and the biology of longevity.

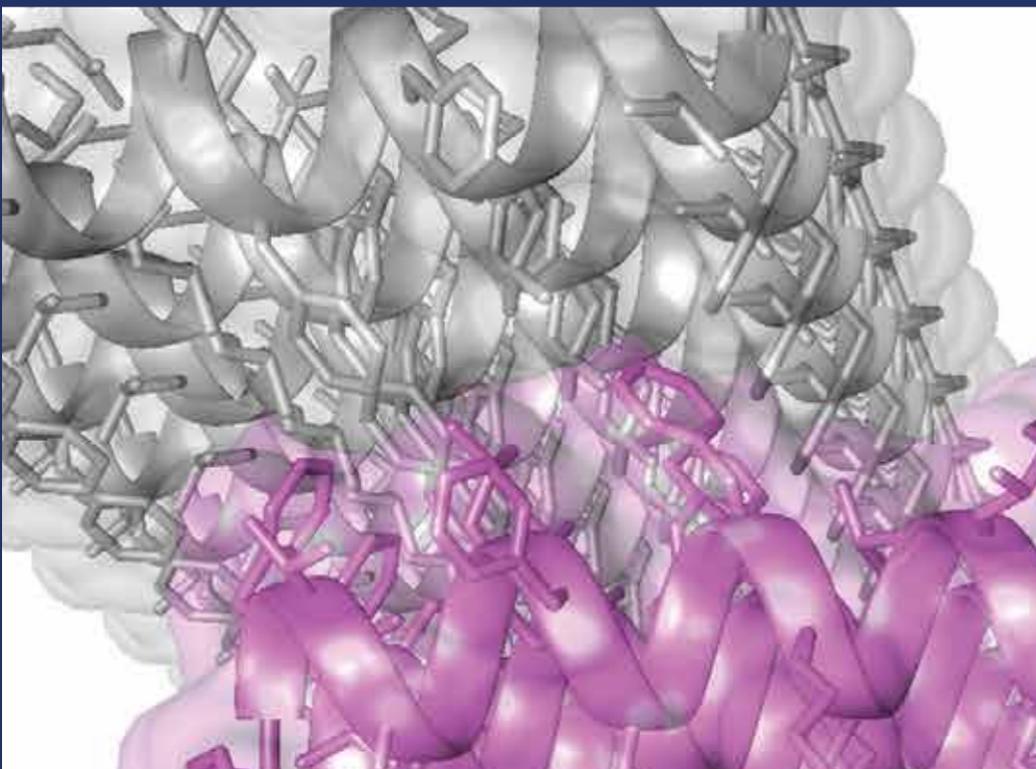




### (FLOORS 14-15)

The Technion-Israel Institute of Technology already has world-class facilities adjacent to Rambam Health Care Campus. A new multidisciplinary medical engineering center coordinated by the Faculty of Medicine in the Health Discovery Tower will further their research endeavors and impact on medicine by providing new medical engineering laboratories for researchers from various Technion faculties.

This center will serve as the crucible for technological innovation leading to development of unique ideas based on biomedical research, resulting in new biotechnological and pharmacological products.



# INNOVATION CENTER

**(FLOORS 16-19)**

The Health Discovery Tower will be home to a new Innovation Center (four floors). The Center will provide Rambam's clinician-scientists with opportunities to turn new knowledge into novel products and services by assisting in the establishment of incubators to generate start-ups that secure funding from commercial sources. The Innovation Center's attractive state-of-the-art facilities will provide added value to local medical and pharmaceutical start-ups and established companies, making the Health Discovery Tower a powerhouse for drug and device development. It will also facilitate critical interactions between Haifa's innovative biomedical technology industry, academia, and Rambam clinicians, and foster national and international collaborations—all focused on creating the future of medicine for humankind.

