Taking Global Research to a New Level.

Research Centers of Excellence for Inflammation and Immune Related Diseases
IMMUNOe's unique research and treatment philosophy not only provides superior research outcomes, but also offers treatment options that address both the symptoms and the genesis of immune-related conditions. IMMUNOe recognizes the influence of environmental factors on the immune system. These factors, once having affected the immune system, manifest themselves as a variety of conditions that cannot be effectively addressed or understood without assessing the root of the cause.

Our efficient and caring clinical model engages patients and medical professionals as partners in treatment and discovery. Individualized care plans are designed and crafted to fit each patient's needs and goals. With over 25 years of research success, the IMMUNOe team provides exceptional results in both research and treatment facets.

IMMUNOe has partnered with key leaders and decision makers in a variety of research-related fields. These strategic partnerships have allowed us to incorporate the latest therapies in our clinical trials, thus achieving a renowned and internationally recognized standard of excellence in the treatment and research of the immune system.

Our focus is the role of the immune system in development of neurological diseases, allergies and asthma, dermatological diseases, gastrointestinal and psychiatric diseases/conditions.

At IMMUNOe, we study the cause not the symptoms.
Global Medical Director

As a respected leader in the field of immunology, Dr. Melamed has dedicated the last decade to researching the connection between the immune system and several immune related disorders. With over 25 years of experience in clinical research, Dr. Melamed has served as a Principal Investigator on over 250 trials, published more than 100 papers and lectured in national and international settings.

Isaac Melamed, M.D.
IMMUNOe offers a consistent research infrastructure delivered on an international level.

**REGULATORY TIMELINES**

IMMUNOe has spent years establishing relationships with Sponsors, CROs and Regulatory Agencies in order to provide consistent regulatory timelines.

**U.S. REGULATORY APPROVAL**

Phase I-IV .................................. 2 Weeks

**PANAMA REGULATORY APPROVAL**

Phase II-IV .................................. 2 Weeks

**ISRAEL REGULATORY APPROVAL**

Phase II-IV .................................. 6 Weeks

Phase I .................................. 12 Weeks

**CENTRALIZED PROCESS**

The following activities are managed by our corporate office located in Centennial, CO, U.S.

- Contract & Budget Negotiations
- GCP Training
- Operational Project Management Support
- Centralized Marketing
- Quality Assurance / Quality Control

**OUR CAPABILITIES**

Our Early Phase Units in Israel & U.S. conduct:
- Single Ascending Dose trials
- Multiple Ascending Dose trials
- Phase I PK and PD testing
- Drug/Drug Interaction trials
- Food Effect trials
- First in Humans trials
- Continuous Cardiac Monitoring trials

**THE POWER OF IMMUNOe**

excellence ...in Quality of Research
...in Patient Recruitment
...in Education & GCP
...Around the Globe

**ONE RESULT**

Because we focus all our resources on your project we are able to ensure:
QUICKEST start up timeline • 100% enrollment rate • 100% retention rate • 100% timeline compliance • CLEANEST data

IMMUNOe’s early phase unit, with a dedicated infusion center, conducts Phase I research studies with a focus on infused biological therapies.
IMMUNOe UNITED STATES

Our U.S. operations are comprised of highly qualified physicians, research coordinators and nurses performing clinical research trials over a broad spectrum of therapeutic areas. Our focus on immune health offers advantages in gaining significant insight into the future of medical therapies.

U.S. LOCATIONS
- Centennial, CO
- Thornton, CO
- Green Valley Ranch, CO

Coming Soon:
- Utah & Florida

FACTORY CAPABILITIES PHASES I-IV
- Private Consenting Areas
- Medical Examination Rooms
- Procedure Rooms
- Consultation Rooms
- Nursing Stations
- Infusion Center with 10 Private Infusion Chairs
- Overnight Stay Area with 16 Beds
- Leisure Area
- Showers, Bathrooms, Lockers
- Kitchen, Dining Area
- Secured Pharmacy Room
- Mixing Room with laminar flow hood
- Secured Storage
- Laboratory: Draw and Processing Areas
- Centrifuges, Refrigerated Centrifuges
- Specimen Storage: -20 and -70 Degree Freezers
- Portable Oxygen
- Fully Equipped Crash Carts
- Automated External Defibrillator
- ECG Machines
- Spirometers
- Cardiac Monitors: Wireless Telemetry
- Pulse Oxymetry
- Wireless High Speed Internet
- Cable TV

RESEARCH DIVISIONS
Our research program has multiple divisions, each of them focusing on inflammation and its role in the development of immune-related-diseases.
IMMUNOe Panama is an integral location for our development of immune-related research. Due to its variety in patient population and large patient database, IMMUNOe has been able to conduct successful and insightful research studies at our Central American facility.

**IMMUNOe Panama**

Consultorios del Hospital Punta Pacifica, Panama

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**PANAMA TEAM**

**Lorena Itzel Noriega Aguirre, Medical Director, IMMUNOe International Research Centers—Panama.**

Lorena Noriega serves as the Medical Director to our Panama Research Center. She is an Internal Medicine and Pulmonology specialist who has been conducting research in Panama. She also serves as the Director of the Residence program in the Social Security Hospital and is an active member of the Panamanian Association of Pulmonology and Thorax surgery, Central American Federation of the Caribbean of Pulmonology and Thorax surgery, Latin-American Association of the thorax (ALAT) and the American one College of Chest Physicians (ACCP).

**Emilio Saturno, M.D., Director of Business Development, IMMUNOe International Research Centers—Panama**

Dr. Saturno is U.S. Board Certified in Allergy & Immunology, and a member of the American Academy of Allergy, Asthma and Immunology; the American College of Allergy, Asthma and Immunology; and the Panamanian Academy of Allergy, Asthma and Clinical Immunology. Dr. Saturno has been developing business relationships with local CROs and pharmaceutical companies in Panama for many years.

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**FACILITY CAPABILITIES**

- Refrigerators
- ECG Machines
- Spirometer
- Automatic External Defibrillator
- -20 Freezers
- -70 Freezers
- Refrigerated Centrifuge
- Centrifuges
- Laboratory with IATA certification
- Private consenting areas
- Dedicated medical exam rooms
- Infusion center with private infusion chairs
- Dedicated study drug preparation area
- Secure storage for research records

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**RESEARCH DIVISIONS**

- Immunology - Primary Immune Deficiency, Hereditary Angioedema, rare immune related diseases, Autoimmune
- Endocrine - Diabetes Mellitus/Complications, Obesity, Lipid Disorders, Diabetic Peripheral Neuropathy, Triglycerides
- Infectious Disease - Hepatitis B/C, Flu
- Gastrointestinal - Constipation, IBS, GI Ulcers, Opioid Induced Bowel Dysfunction, Ulcerative Colitis
- Musculoskeletal - Osteoarthritis, Osteoporosis, Rheumatoid Arthritis, Growth Disorders, Rheumatology
- Oncology - Breast, Lung, Colorectal
- Respiratory - Asthma, RSV, Reactive Airway Disease, COPD, Rhinitis, Sinusitis, Emphysema, Bronchitis, Cystic Fibrosis
- Vaccine - All
- Stem Cell Therapy
IMMUNOe israel

Israel has become an important location for American and European pharmaceutical and medical device companies conducting multi-national clinical trials. Israel's popularity as a site for clinical trials increased after it received recognition as an approved FDA site in 1997.

Among the reasons cited by international companies for choosing Israel are the excellence and expertise of the medical professionals within the nation and the ease of recruiting and following patient populations. The size of the clinical niche in Israel is estimated at $100 million in research. This includes monitoring research and regulations provided by contract research organizations (CRO).

FACILITY CAPABILITIES

The Israel facilities are located at The Sheba Medical Center at Tel Hashomer, the largest hospital in the Middle East. We have full research capabilities utilizing the facilities:

- 110 outpatient clinics
- 32 laboratories
- 1,200 beds
- Rehabilitation center
- Computerized Mega-Laboratory
- Secure storage for research records

New Facility Location Coming Soon:
» Assuta Medical Center in Tel-Aviv

ISRAEL TEAM

Michael Drescher, M.D. | Medical Director-IMMUNOe Israel
Dr. Drescher's close associations with the pharmaceutical industry from conducting research will promote the business for new clinical trials. Dr. Drescher currently practices medicine in the United States and Israel and brings his expertise in conducting clinical research to his position as Medical Director, Israel.

Yehuda Shoenfeld, MD, FRCP | Head: Zabludowicz Center for Autoimmune Diseases, Sheba Medical Center
Yehuda Shoenfeld is associated with Sheba Medical Center in Tel-Hashomer and the Sackler Faculty of Medicine at Tel-Aviv University. He is the incumbent of the Laura Schwarz-Kipp Chair for Research of Autoimmune Diseases. Shoenfeld is editor-in-chief of Autoimmunity Reviews, and co-editor of Journal of Autoimmunity.

Hanna Mazurski – Research Manager
Karin Romano – Operations Manager

RESEARCH DIVISIONS

- Immunology - Primary Immune Deficiency, Hereditary Angioedema, rare immune related diseases, Autoimmune
- Neurology - Multiple Sclerosis, Alzheimer's Disease, Autism, Migraine, Neuropathy, Fibromyalgia, Pain Syndromes
- Infectious Disease - Hepatitis B/C, Flu
- Respiratory - Asthma, RSV, Reactive Airway Disease, COPD, Rhinitis, Sinusitis, Emphysema, Bronchitis, Cystic Fibrosis
- Vaccine - Available upon request
- Stem Cell Research
IMMUNOe ADVANTAGE

1. Network of experts focusing on immune-inflammation compounds.

2. Integration of ambulatory infusion center dedicated to biological research.

3. Unique home care operations dedicated to home care research of biological agents.

4. Consistent research conducted in multiple U.S. sites and international sites.

OUR RELATIONSHIPS

IMMUNOe has placed itself on the delivery side offering to sponsors and CRO’s a unique research platform in which they can expect the best quality and timeline in the industry.
INTERNATIONAL RESEARCH CENTERS

Excellence in Immune Health

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