



The Israel Exchange Program

## Postdoctoral Training at Cincinnati Children's

Develop your research career at one of the top research institutions in the United States. At Cincinnati Children's Hospital Medical Center, you'll find an internationally recognized faculty, wide-ranging research studies and state-of-the-art facilities.

### Areas of current research priority are:

- Innovative therapeutics and diagnostics
- Regenerative medicine, stem cell research, organogenesis
- Inflammation, immunity, immune therapy
- Environment, phenome, genome interactions in pediatric health and disease
- Protein sciences, structural biology, medicinal chemistry
- Health services, outcomes and quality, systems improvement

Cincinnati Children's is the second highest recipient of research grants from the National Institutes of Health among pediatric hospitals. Our large research enterprise accounts for a third of our overall operating budget, and a third of our employees are involved in research. Within our nearly 1 million square feet of research space, scientists conduct basic, translational, clinical and health services research.

The depth and breadth of our research program provides unusual opportunities for trainees. We foster an open environment, encouraging cross-disciplinary collaboration among researchers in all disciplines of medical sciences. The proximity of researchers to clinicians and to a large, well-characterized patient population provides a synergistic environment for research that advances care at the bedside.

Cincinnati Children's has a long history of connection with Israel, beginning with Dr. Albert Sabin, who discovered the Sabin oral polio vaccine at Cincinnati Children's and later became president of Weizmann Institute.

Over 30 Israeli fellows have returned to Israel following training at Cincinnati Children's, and we are proud to see their continued achievements and leadership roles.

### Special Grant Funding

Through the Cincinnati Children's Israel Exchange Program, competitive grants are available for outstanding research post-doc applicants, including take-home grants to continue your research upon return to Israel and housing assistance during your time in Cincinnati.

## Other Training Opportunities at Cincinnati Children's

- Cincinnati Children's offers subspecialty clinical fellowships in areas ranging from allergy to urology. We train more than 200 clinical fellows each year, and nearly all are engaged in serious research endeavors.
- Our Procter Scholar Program, a post-fellowship training program, prepares highly skilled MD or PhD / MD candidates for biomedical or clinical investigative careers in pediatrics.



### Our research contributions include:

- Sabin oral polio vaccine
- First practical heart-lung machine
- Clark oxygen electrode
- Pioneering work in identification of congenital birth defects
- Groundbreaking work in human surfactant replacement therapy
- Rotarix<sup>®</sup> rotavirus vaccine

### Research Cores

- Animal Behavioral Core
- Biobank
- Biomedical Informatics
- Biostatistics Core, Center for Epidemiology and Biostatistics
- Cardiovascular Imaging Core
- Cell Manipulations Laboratory
- Center for Technology Commercialization
- Child Policy Research Center
- Cincinnati Center for Clinical Research
- Clinical Translational Research Center
- Comprehensive Mouse and Cancer Core
- Echocardiography
- Gene Expression Microarray Core
- Genetic Variation and Gene Discovery Core
- Health Policy and Clinical Effectiveness
- Imaging Research Center
- Laser Capture Microdissection Microscopy
- Lenti-shRNA Library Core
- Mass Spectrometry
- Nutritional Research and Analysis
- Office of Research Compliance and Regulatory Affairs
- Pathology Research Core
- Pediatric Pharmacology Research Unit
- Pluripotent Stem Cell Facility
- Protein Characterization and Proteomics
- Research Flow Cytometry Core
- Sequencing
- Stem Cell Processing Laboratory
- Tissue Culture Laboratory
- Transgenic and Gene Targeting Core
- Translational Core Labs
- Translational Research
- Translational Trials Development and Support Laboratory
- Vector Production Core

For more information about our training opportunities or clinical services, please contact:

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