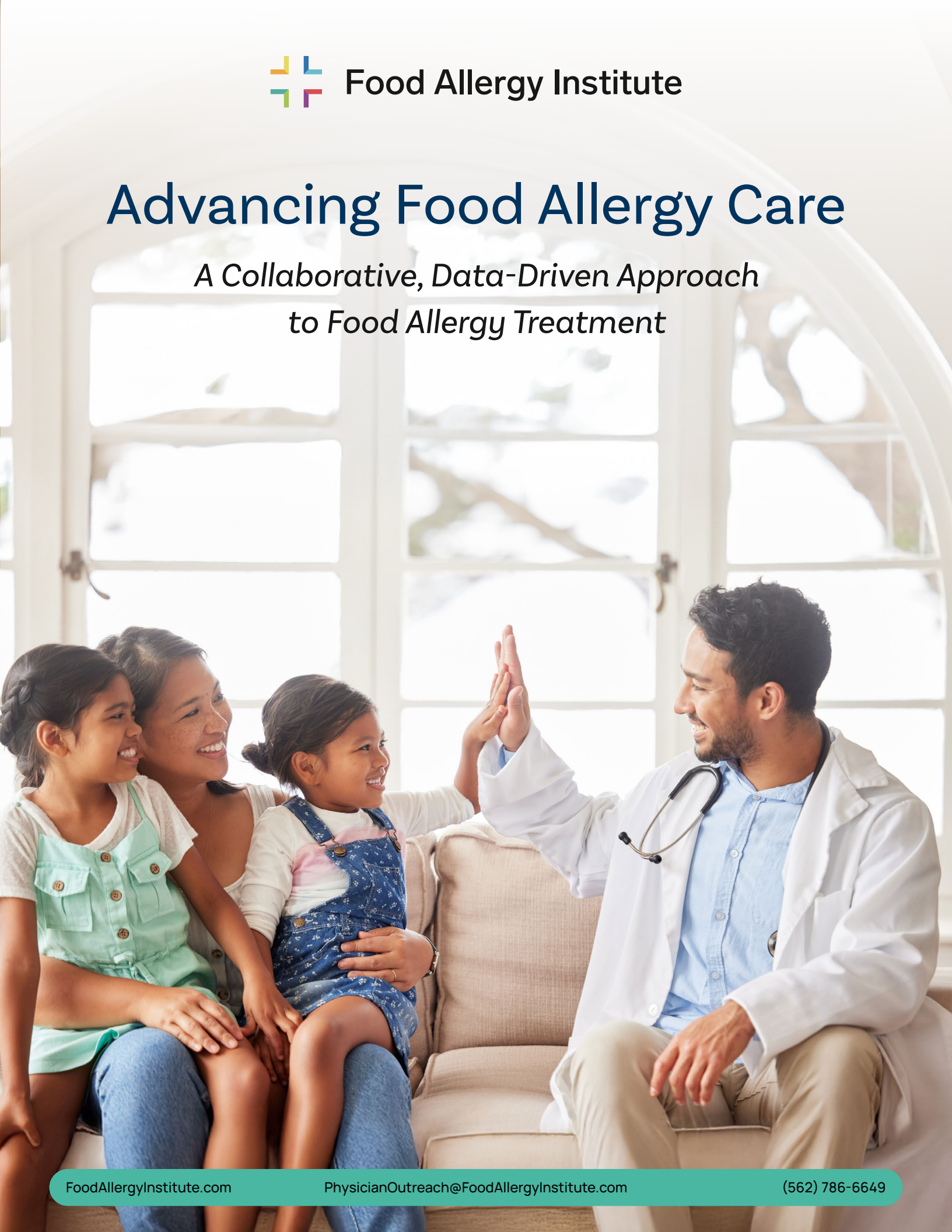
Food Allergy Institute

Advancing Food Allergy Care

A Collaborative, Data-Driven Approach to Food Allergy Treatment



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Tolerance Induction Program® (TIP)

At the Food Allergy Institute, we are setting a new standard of care—moving beyond avoidance and desensitization to true tolerance. Using a personalized, data-driven approach, the Tolerance Induction Program® (TIP) focuses on holistic immune modulation to achieve lasting food allergy remission. Together with referring physicians, we are working to redefine the long-term trajectory of food allergy.

How does TIP work?

Safety-first Approach

- TIP employs biosimilar proteins to prioritize patient safety and maintain reaction rates below 1%.
- Treatment does not begin with primary allergen exposure.
- All patients have access to a 24/7 provider support team for reaction guidance, enabling seamless at-home care.
- Each patient receives a personalized scenario plan outlining specific medications and response protocols for various exposure situations.
- TIP utilizes a proprietary gummy format to deliver precisely microdosed allergens, ensuring controlled and consistent exposure throughout treatment.

Treatment

- TIP is designed to support lasting food allergy remission without ongoing daily maintenance.
- Over 90% of treatment takes place at home, with 4–6 in-person visits annually.
- TIP treats multiple food allergens simultaneously rather than one allergen at a time.
- Treatment progression is guided by advanced immune profiling to ensure individualized, adaptive care.

Diagnostic Testing and Monitoring

- All diagnostic testing is conducted through FAI's centralized laboratory to ensure accuracy, consistency, and continuity throughout treatment.
  - › *Includes IgE, IgG4, skin prick, and basophil activation testing.*
- Ongoing monitoring allows providers to track immune response and make informed adjustments as patients progress.

Who Qualifies for Treatment?

TIP is designed for children, teens, and adults with IgE-mediated food allergies, regardless of severity or coexisting conditions. Ideal candidates include patients with multiple food allergies or a history of severe reactions who are seeking a long-term solution beyond avoidance.

91% have multiple anaphylactic food allergies

30% have failed other food allergy treatments, like OIT

75% have comorbidities, like asthma, or eczema

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Precision Treatment Forecasting:

Creating Repeatable Outcomes

Food allergy treatment should not rely on trial and error. The Tolerance Induction Program® (TIP) is powered by a proprietary machine learning and data analysis platform developed from more than a decade of longitudinal diagnostic data. By integrating immune markers, clinical outcomes, and protein exposure data at scale, TIP enables predictive treatment forecasting and precision-guided care. As each patient progresses through treatment, their data continuously refines the models, improving accuracy and long-term outcomes.

Healthcare Meets Biotech

Food Allergy Institute operates as both a healthcare provider and a biotech organization, with an integrated research laboratory supporting continuous model development and validation.

Data Science

Over 15 years of longitudinal patient data—representing trillions of data points—inform our predictive models, enabling pattern recognition across diverse allergy profiles.

Applied Mathematics

Mixed-model mathematics and linear regression are used to identify immune behavior patterns, forecast response trajectories, and guide individualized treatment decisions.

Endotypes

Six distinct food allergy endotypes are used to stratify patients based on immune characteristics, including T-cell and B-cell maturation, allergic burden, and reaction profiles.

Phylogenetics

Plant protein biology and biosimilar protein matching inform dosing strategies, allowing controlled exposure that aligns with each patient's immune response profile.

By bringing together technology, data science, immunology, and phylogenetics we can predict immune response and develop a treatment program that will safely retrain the system.

Food Allergy Institute by the Numbers

A Snapshot of Impact and Scale

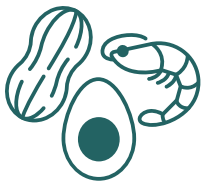
Since 2015, the Tolerance Induction Program® (TIP) has delivered precision food allergy care at scale, helping thousands of patients with complex food allergies move beyond avoidance toward lasting remission. The data below highlights the scope, safety, and real-world impact of TIP in clinical practice.

10,000+
Patients Achieved Remission

<1%
Reaction Rate

60,643
Annual In-Clinic Food Introductions & Challenges

Top 9+
Allergens Treated



130+
Average # Of Different Allergens Tested

4,200+
Annual Lab Draws Performed

250+
Employees covering a diverse range of expertise including, AI, data science, food manufacturing, diagnostic testing, clinical research, and more.

2.7 Million+
Pharmaceutical Grade Dosing Gummies + Tarts Produced

1.9 Million+
Annual At-home Treatment Doses

9
Physicians

13
Physician Assistants

12
Nurse Practitioners

15
Nurses

54
Food Challenge Exam Rooms

33,500+
Food Allergy Appointments Completed in 2025
› Largest Global Food Allergy Treatment Center Of Its Kind

52%

Patients Travel To Southern California For Treatment
› 34 Countries
› 50 US States

34
Average # Of Months A Patient Is In TIP Treatment

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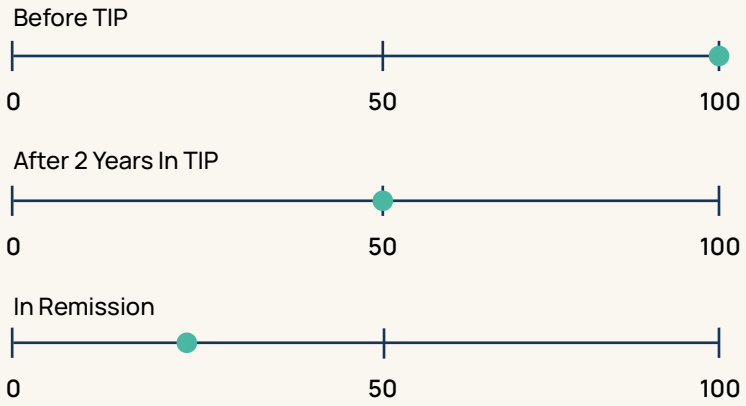
Meet Sophia

TIP Graduate | Years in Program: 3 | Age: 6

Sophia has achieved remission for peanuts, allowing her to eat freely without restriction or worry. Daily life and travel are so much easier, and dining out and social events are finally stress-free and fun!

IgE Levels



The Roadmap*

- **Visit 1-4:** Conditioning With Biosimilar Foods To Reduce Baseline IgE
  Examples Include: Pea, chickpea, lentil, soy, almond, hazelnut
- **Visit 5:** Introduce Peanut Gummy 1mg
  Gradually escalate over the next 2-3 visits
- **Visit 7:** 240 mg Ground Peanut Challenge
- **Cleared for Cross-Contact!**
- Gradual Escalation Over The Next 2-4 Visits
- **Peanut:** 8-10 g Challenge
  Will maintain 20-30 peanuts 6 out of 7 days a week over a 4-5 month period
- **Annual Remission:** Gradually transition to once monthly dosing over 4-6 years with annual labs

*This roadmap is provided for illustrative purposes only

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Our Trusted Team

Dr. Inderpal Randhawa

Allergist, Founder, CEO

Long Beach, CA

Dr. Randhawa is a leading clinical academic scientist with five board certifications in transplant immunology, allergy, pulmonology, pediatrics, and internal medicine.

Dr. Tracy Clark

VP of Clinical Services

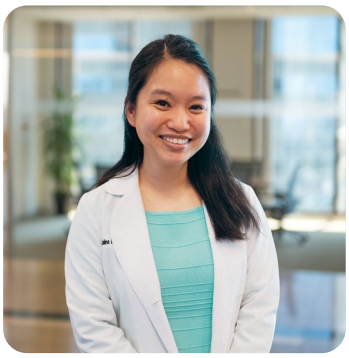
Long Beach, CA

Dr. Clark is a board certified pediatrician and clinical leader specializing in food allergy care, with extensive hospital medicine experience and expertise in advancing pediatric outcomes.

Dr. Priyanka Vakati

Physician, Pediatrics

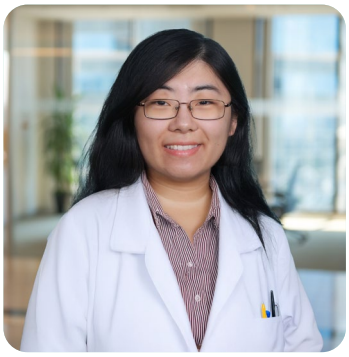
Long Beach, CA



Dr. Malina Lim

Lead Physician

Long Beach, CA



Dr. Jane Wong

Physician, Family Medicine

Long Beach, CA

Dr. Lauren Severs

Physician, Pediatrics

San Diego, CA

Dr. Allen Gomez

Physician, Pediatrics

Long Beach, CA

Dr. Nathan Marsteller

Director of Research

Long Beach, CA

An Integrated System for Food Allergy Care

TPIRC Research & Innovation

TPIRC's Research & Innovation team strengthens TIP by turning large-scale patient data into better diagnostics and more personalized care. TPIRC combines big-data analytics with a dedicated proteomics and cell/molecular biology core to support biomarker discovery and ongoing treatment optimization. The TPIRC Biobank securely collects biospecimens and longitudinal health data with HIPAA-aligned safeguards and de-identification to advance understanding of allergy and tolerance and accelerate future breakthroughs. Research priorities include precision medicine and translational "bench-to-bedside" studies, informed by a large clinical dataset from patients treated through affiliated programs.

Aperture Immunodiagnostics

Aperture Immunodiagnostics is our advanced food allergy testing lab, providing the precision data that helps shape each patient's TIP plan. Through an integrated draw, processing, and testing workflow, the lab supports broad immune profiling with 300+ immunologic and inflammatory markers per draw, plus component testing across up to 200 allergens. Testing includes food-specific IgE, IgG4, and component-resolved analysis, with additional platforms supporting IgG subclasses, CBC/hematology, and cytokine/interleukin profiling. Aperture Immunodiagnostics is CLIA-certified, CDPH licensed, and CAP-accredited for high-complexity testing, supporting consistent, trackable results over time.

FAI Food Lab

The Food Allergy Institute's Food Lab is a one-of-a-kind manufacturing facility that produces and inspects TIP treatment doses with high precision. Since 2019, the lab has made proprietary allergen gummies from scratch, allowing tight control of the smallest dose amounts where accuracy matters most. Patients can receive dosing across 28 food protein options, with each gummy made to exact milligram amounts for consistent dosing. Every new product is verified by third-party labs, and every dose passes a three-point inspection plus clinic-level checks to help ensure safety, consistency, and progress toward Food Freedom. In 2025, the Food Lab produced over 2.7 million doses and continues to develop new offerings, including remission and maintenance bars and TIP tarts.

CYBUS.AI

CYBUS.AI is the proprietary data and AI platform that helps power TIP's individualized treatment planning. It brings together detailed patient history, skin testing, and advanced bloodwork, then applies machine learning to map each allergen's risk profile and estimated reaction threshold to guide personalized dosing strategies. The models integrate immunologic markers, prior outcomes, and protein-structure insights to support safer, more efficient treatment decisions and ongoing plan adjustments as new data is captured. With every patient treated, the system continues to learn, improving treatment pathways and helping scale precision care across the TIP ecosystem.

Food Allergy Institute

Refer A Patient

Become A Provider Partner

Learn More About TIP

We accept most PPOs from the following carriers:

aetna · Anthem Blue Cross · United Healthcare · Cigna · blue california · health net