
Clinical Trials for TED

Teprotumumab and Beyond

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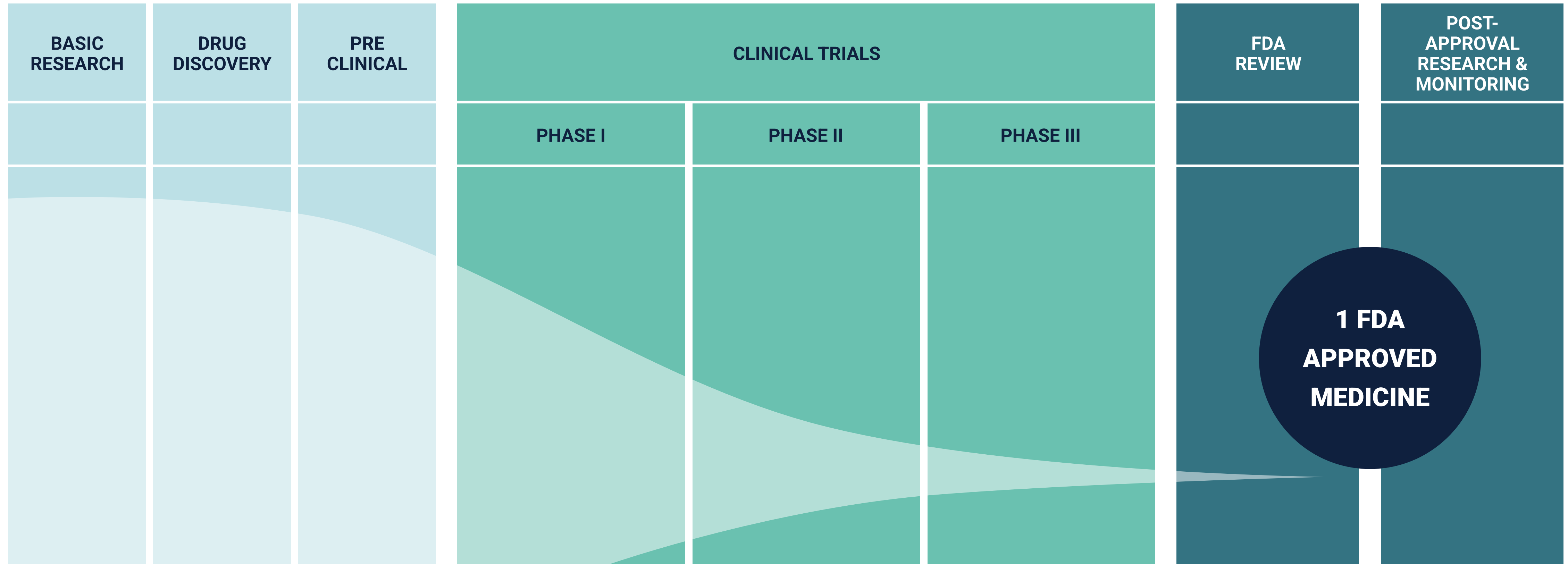
Corewell Beaumont Royal Oak



What Are Clinical Trials?

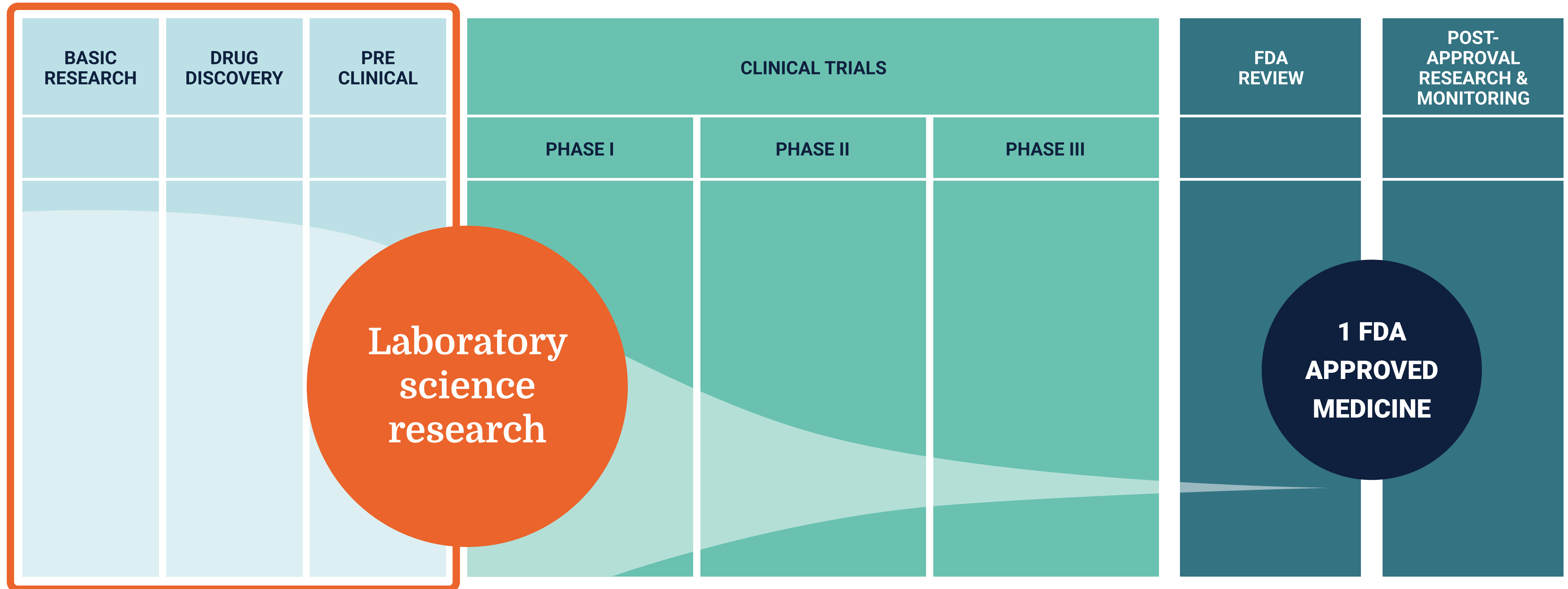
- Voluntary research studies which investigate a medical, surgical, or behavioral intervention
- National Institute of Health (NIH) and US Food & Drug Administration (FDA) have rigorous guidelines and rules for clinical studies
- Sponsored by organizations or individuals, and conducted in various healthcare sites

Timeline of Clinical Research



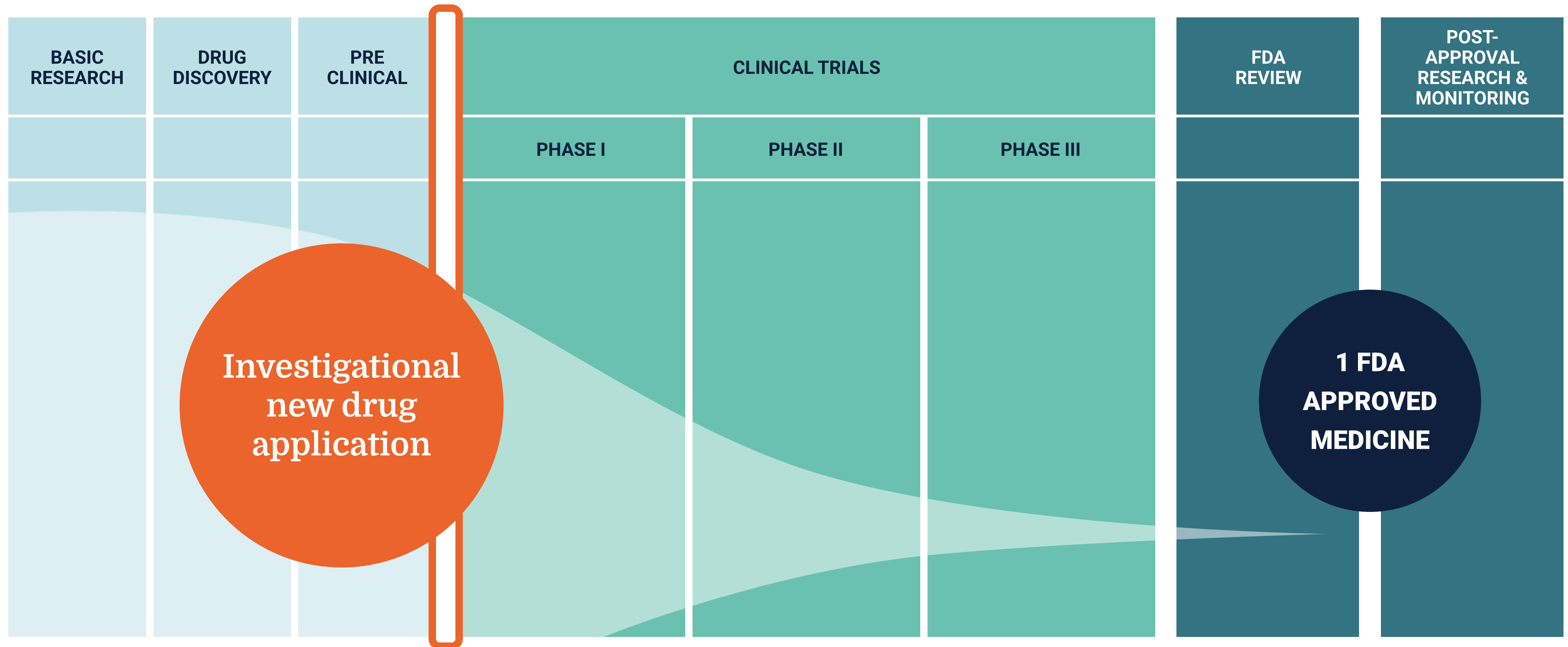
Source: <https://phrma.org/en/policy-issues/Research-and-Development-Policy-Framework/Clinical-Trials>

Timeline of Clinical Research

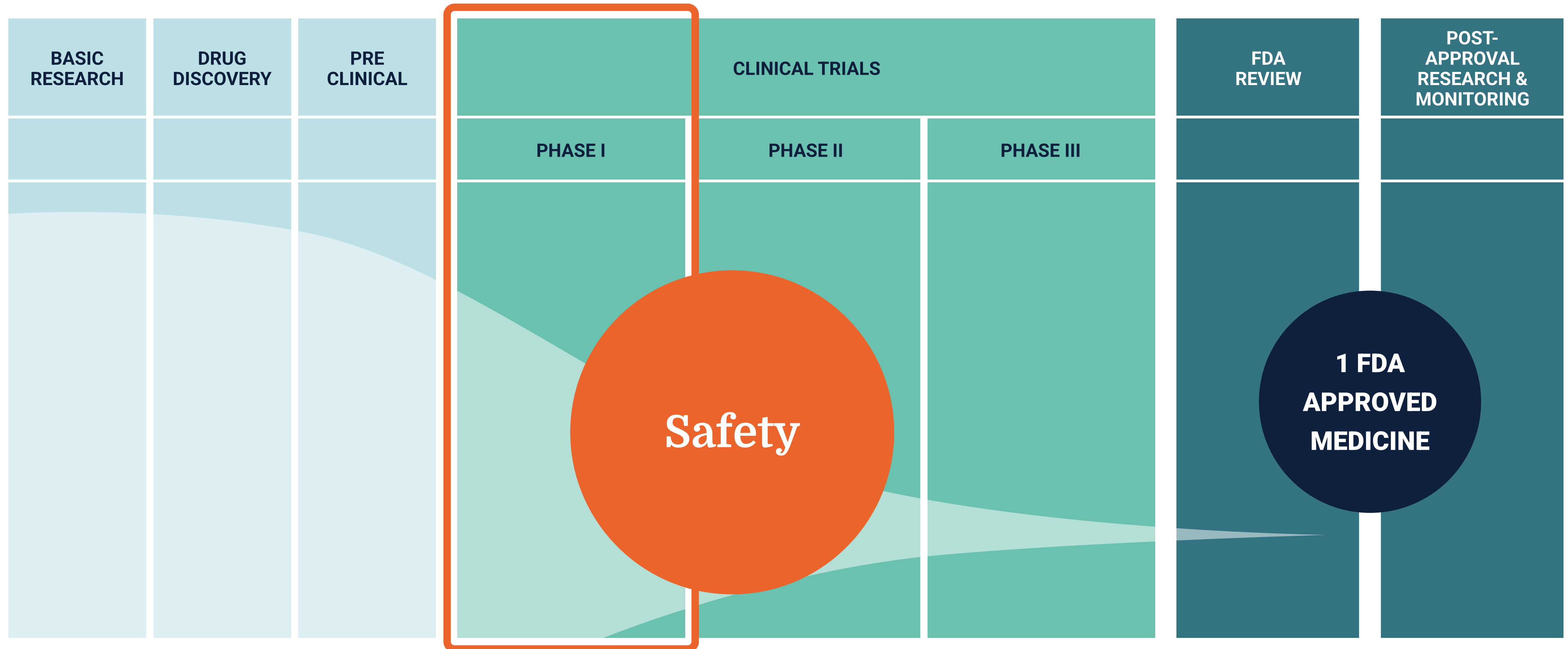


Source: <https://www.tedimpact.com/thyroid-eye-disease-symptoms/pathophysiology>

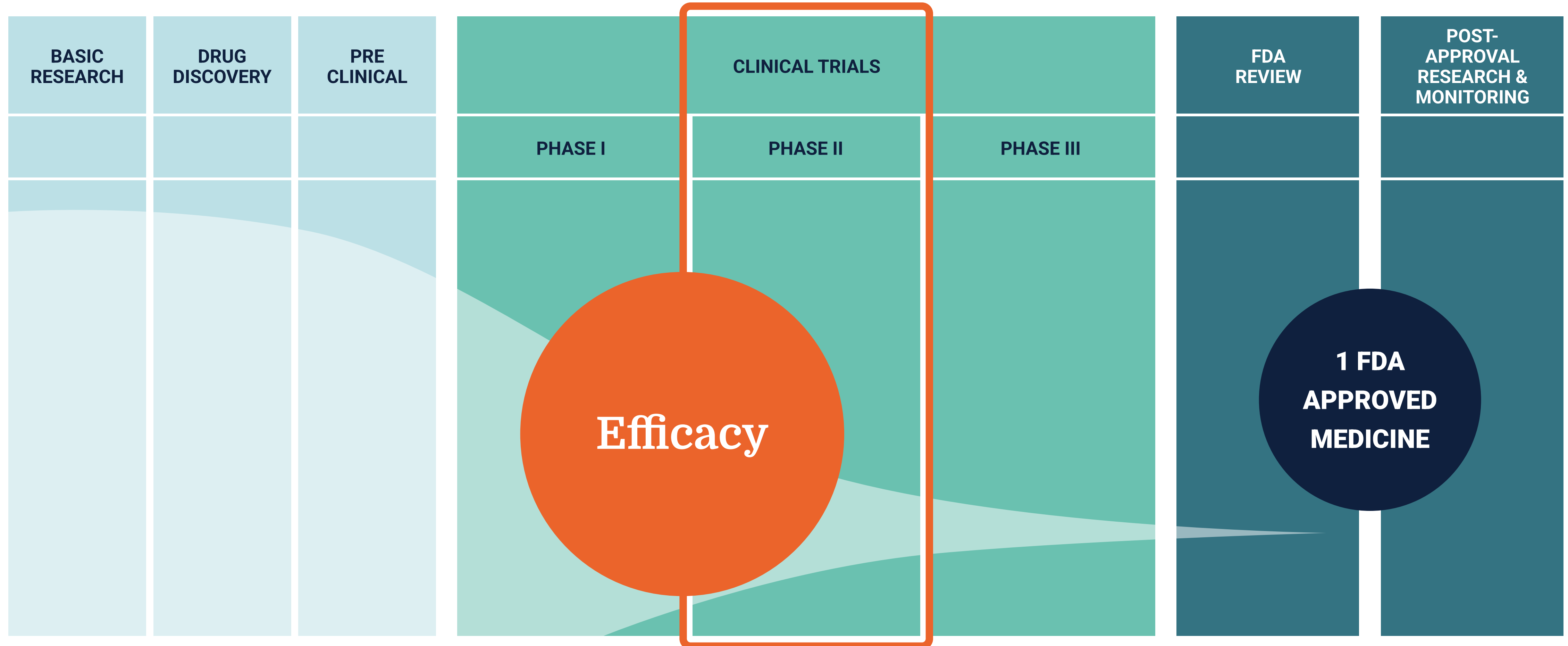
Timeline of Clinical Research



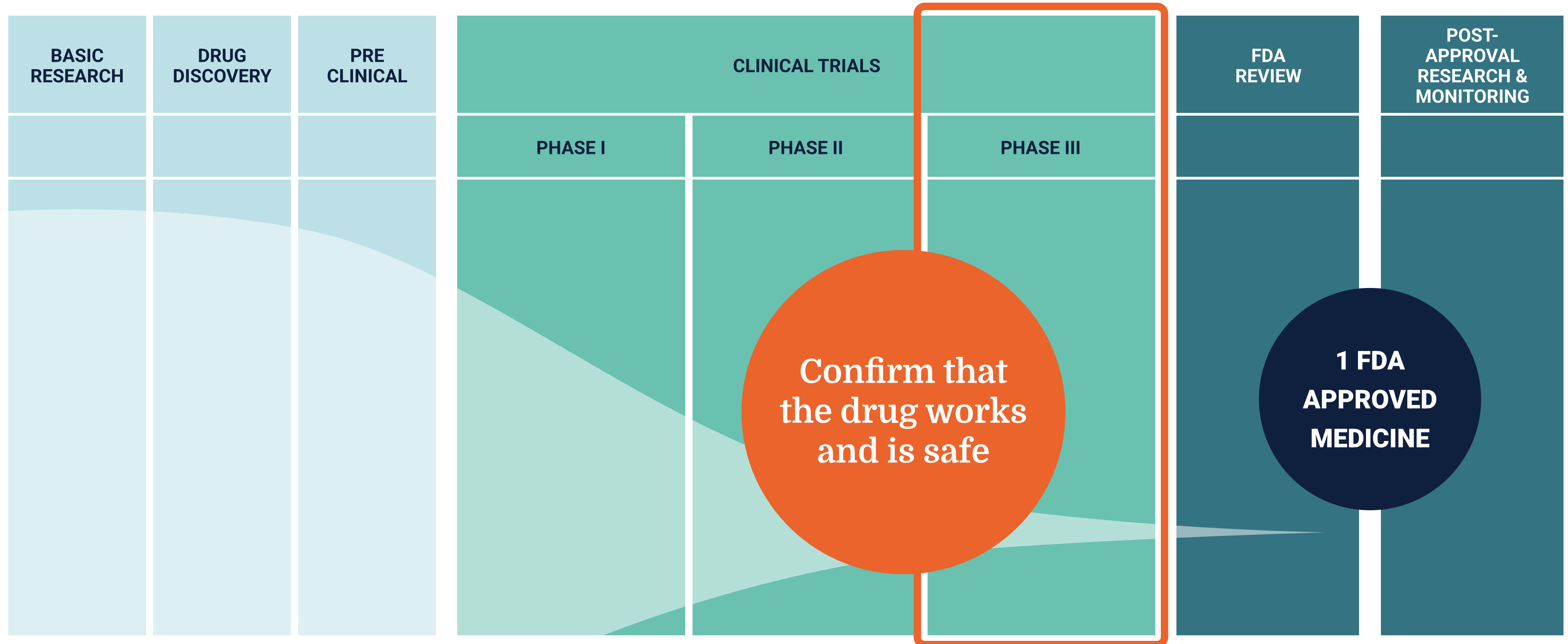
Timeline of Clinical Research



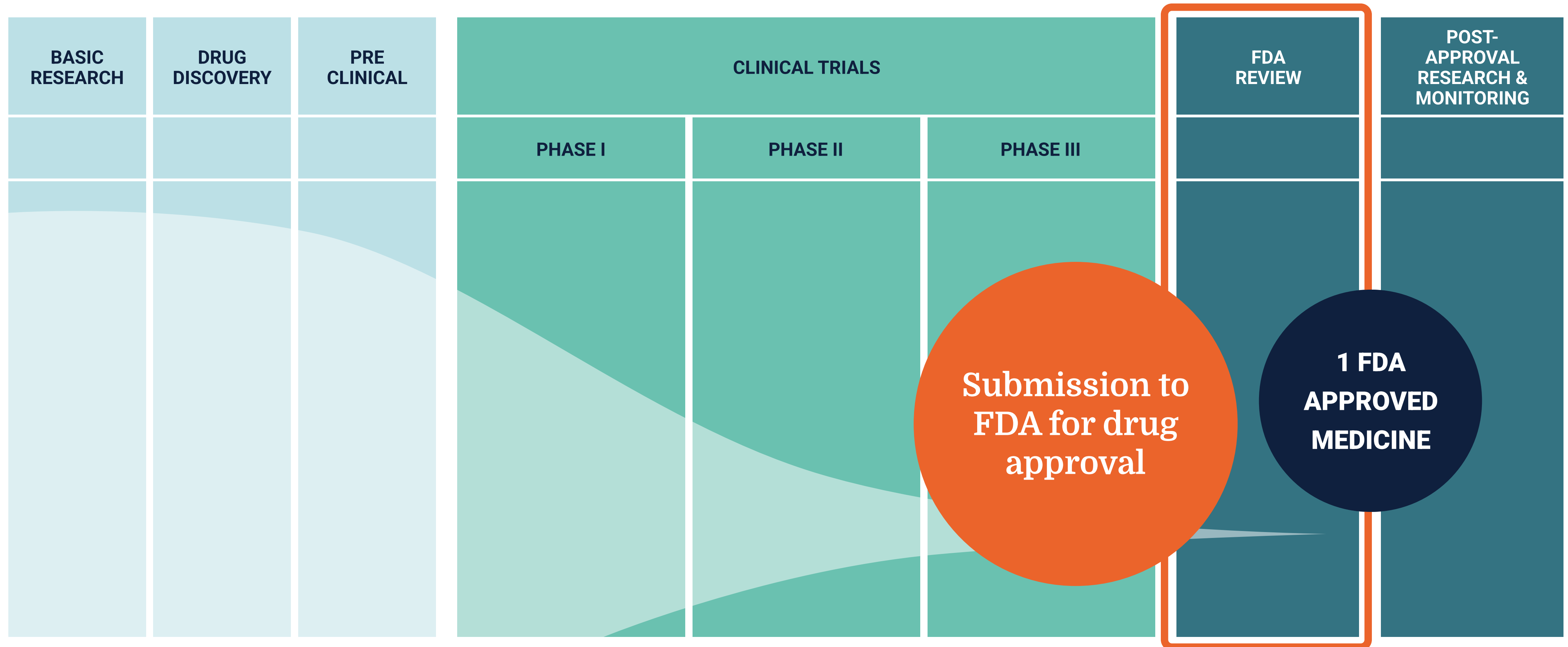
Timeline of Clinical Research



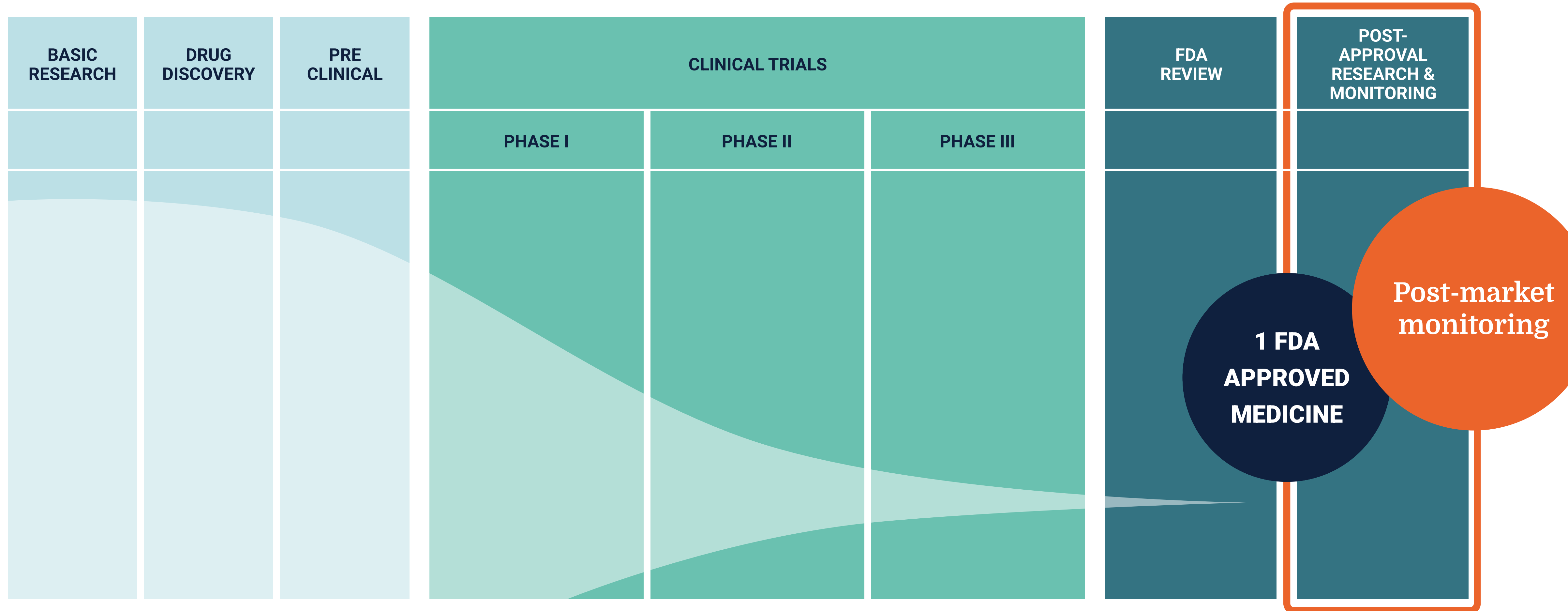
Timeline of Clinical Research



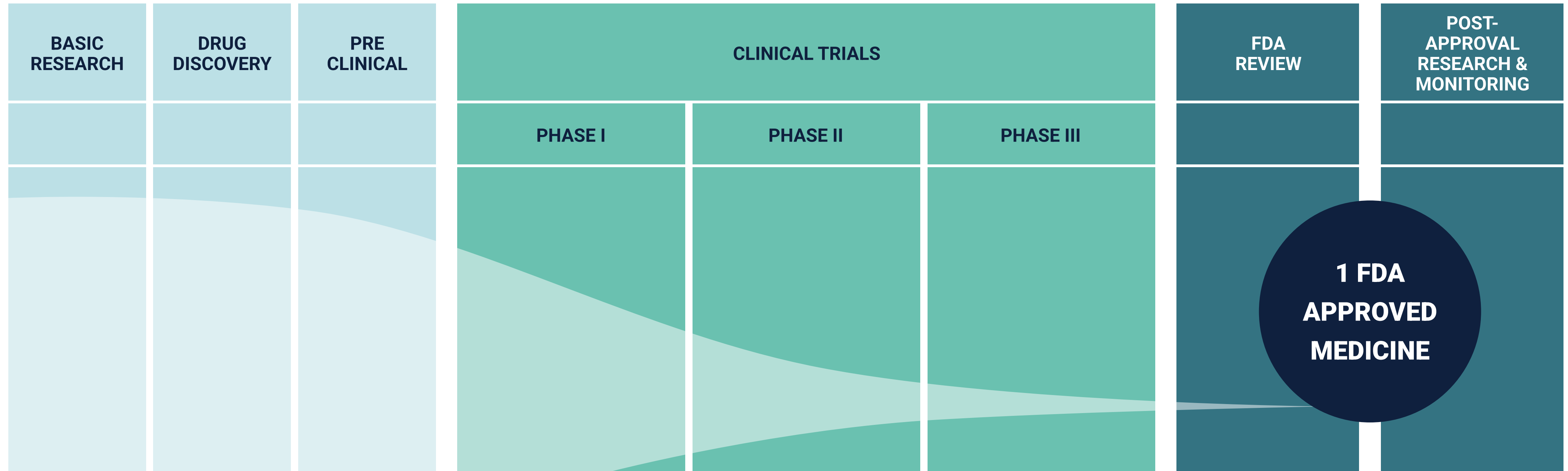
Timeline of Clinical Research



Timeline of Clinical Research

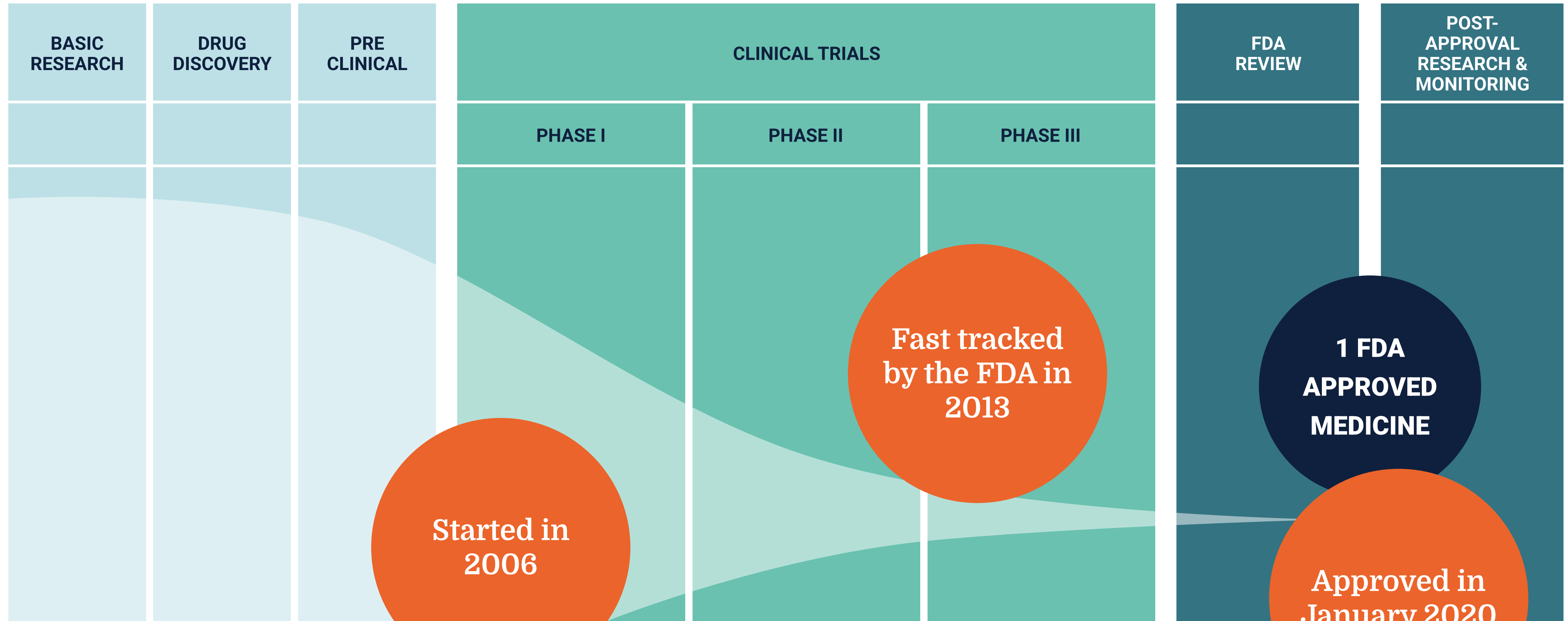


Timeline of Clinical Research



- Only 1 in 5,000 compounds tested make it to drug approval
- Process takes ~15 years
- Cost \$1.1 – \$2.6 billion for each approved drug

Tepezza (Teprotumumab)



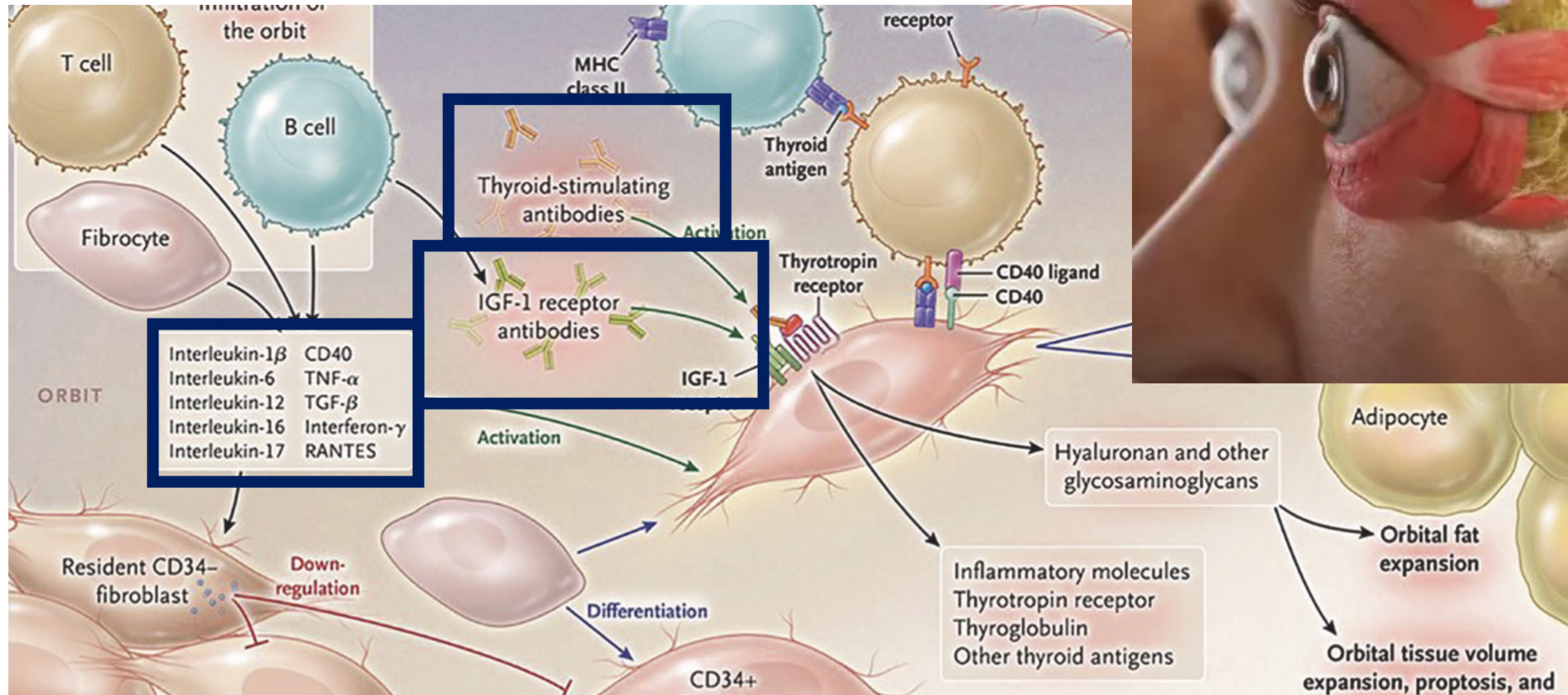
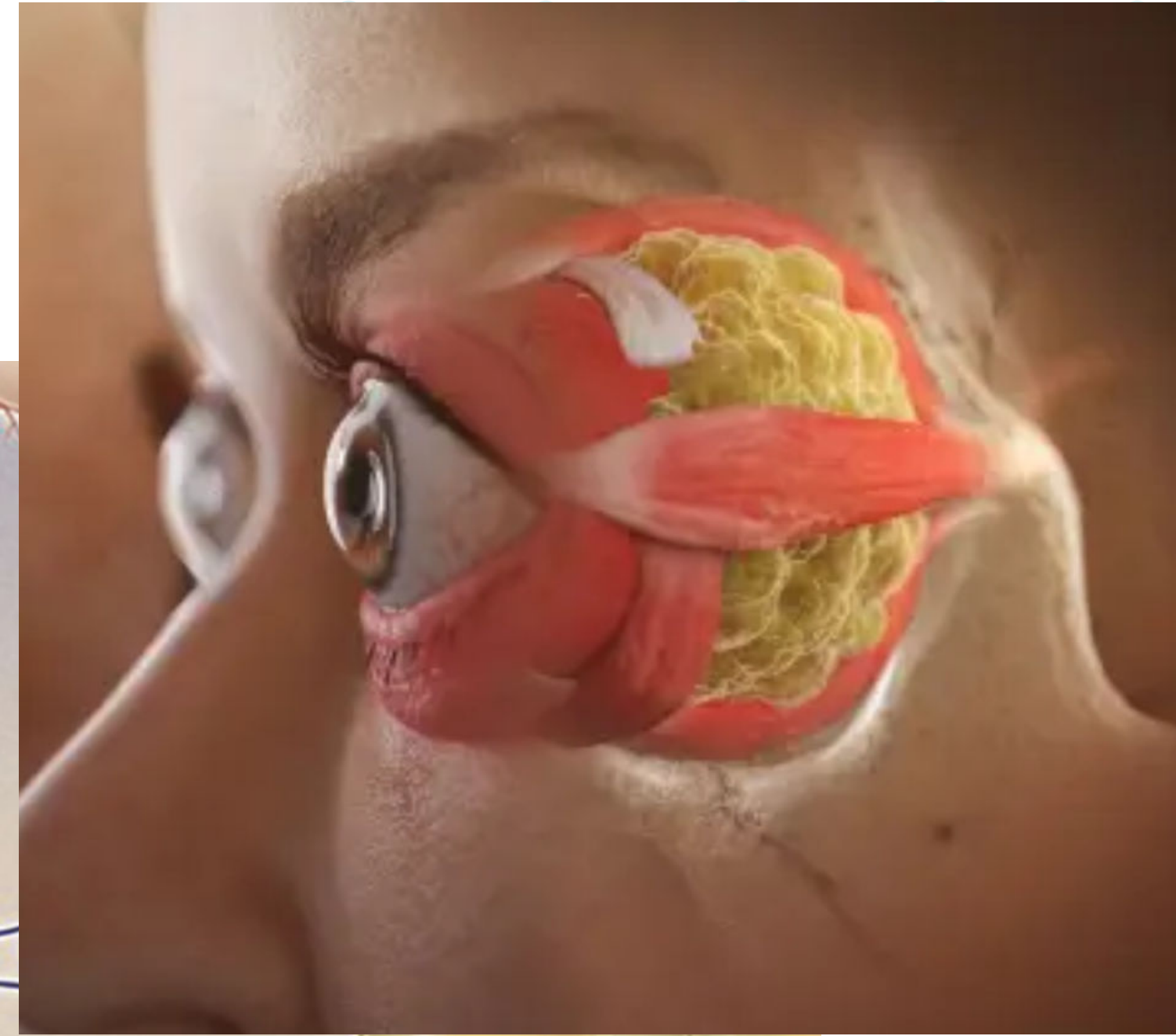
Thyroid Eye Disease

Annual incidence of TED⁴



There is an unmet need for disease-modifying treatments with an optimal safety profile and long-term benefits.

Thyroid Eye Disease



Thyroid Eye Disease

TED Pipeline

Name	Sponsor	Target	Route of Administration	Stage	Clinical Trial ID
Teprotumumab (Tepezza)	Horizon	IGF-1R	IV Infusion	Post-marketing	NCT04583735, NCT05002998
VRDN-001	Viridian Therapeutics	IGF-1R	IV Infusion	Phase 3	NCT05176639, NCT06021054
Lonigutamab (VB421)	ValenzaBio/Acelyrin	IGF-1R	SQ	Phase 1/2	NCT05683496
Batoclimab	Immunovant	IgG1 FcRn	SQ	Phase 3	NCT05524571, NCT05517421
Linsitinib	Sling Therapeutics	IGF-1R	Oral	Phase 2b	NCT05276063
Cosentyx	Novartis	IL-17A	SQ	Phase 3	NCT04737330
TOUR006	Tourmaline Bio	IL-6	SQ	Phase 2b	NCT06088979
LASN01	Lassen Therapeutics	IL-11	IV infusion	Phase 1	NCT05331300

Thyroid Eye Disease

TED Pipeline

Name	Sponsor	Target	Route of Administration	Stage	Clinical Trial ID
Aflibercept	MEEI	VEGF	Sub-tenon	Phase 2	NCT04311606
Satralizumab	Hoffmann-La Roche	IL-6	SQ	Phase 3	NCT05987423
Bimatoprost	Johns Hopkins University	Prostaglandin receptor	Ophthalmic drop	Phase 1	NCT03708627
HBM9161	Harbour BioMed	IgG-FcRn	SQ	Phase 2/3	NCT05015127
Anti-thymocyte Globulin	Medical University of Silesia	Thymocyte globulin	IV	N/A	NCT05199103
Tocilizumab	Sun Yat-set University	IL-6	IV	Phase 2	NCT06087731
Simvastatin	Lund University	HMG-CoA reductase inhibitor	Oral	Phase 3	NCT03131726
IBI311	Innovent	IGF-1R	IV	Phase 2/3	NCT05795621

Why Do Patients Participate In Clinical Trials?

- Gain access to new treatments not available to the public
- None of the standard available treatments have worked or have resulted in intolerable side effects
- Insurance
- Contribute to advancing scientific discovery and help other people

National Institute of Health: www.ClinicalTrials.gov

The screenshot shows the ClinicalTrials.gov search results page. The browser address bar displays the URL: `clinicaltrials.gov/search?cond=thyroid%20eye%20disease&aggFilters=status:rec&locStr=United%20States&co...`. The page features a search sidebar on the left and a main results area on the right.

Focus Your Search (all filters optional) Hide

- Condition/disease**
thyroid eye disease
- Other terms**
[Empty field]
- Intervention/treatment**
[Empty field]
- Location**
Search by address, city, state, or country and select from the dropdown list
United States
- Study Status**
 - Looking for participants**
 - Not yet recruiting (0)
 - Recruiting (19)
 - No longer looking for participants**
 - Active, not recruiting (2)

Search Results Card View Table View

Viewing 1-19 out of 19 studies

[+ Synonyms of conditions or disease \(19\)](#)

None Selected Download Bookmark RSS

RECRUITING
NCT06088979 NEW
A Study to Investigate Efficacy and Safety of TOUR006 in Participants 18 to 75 Years of Age With Thyroid Eye Disease

Conditions
Thyroid Eye Disease

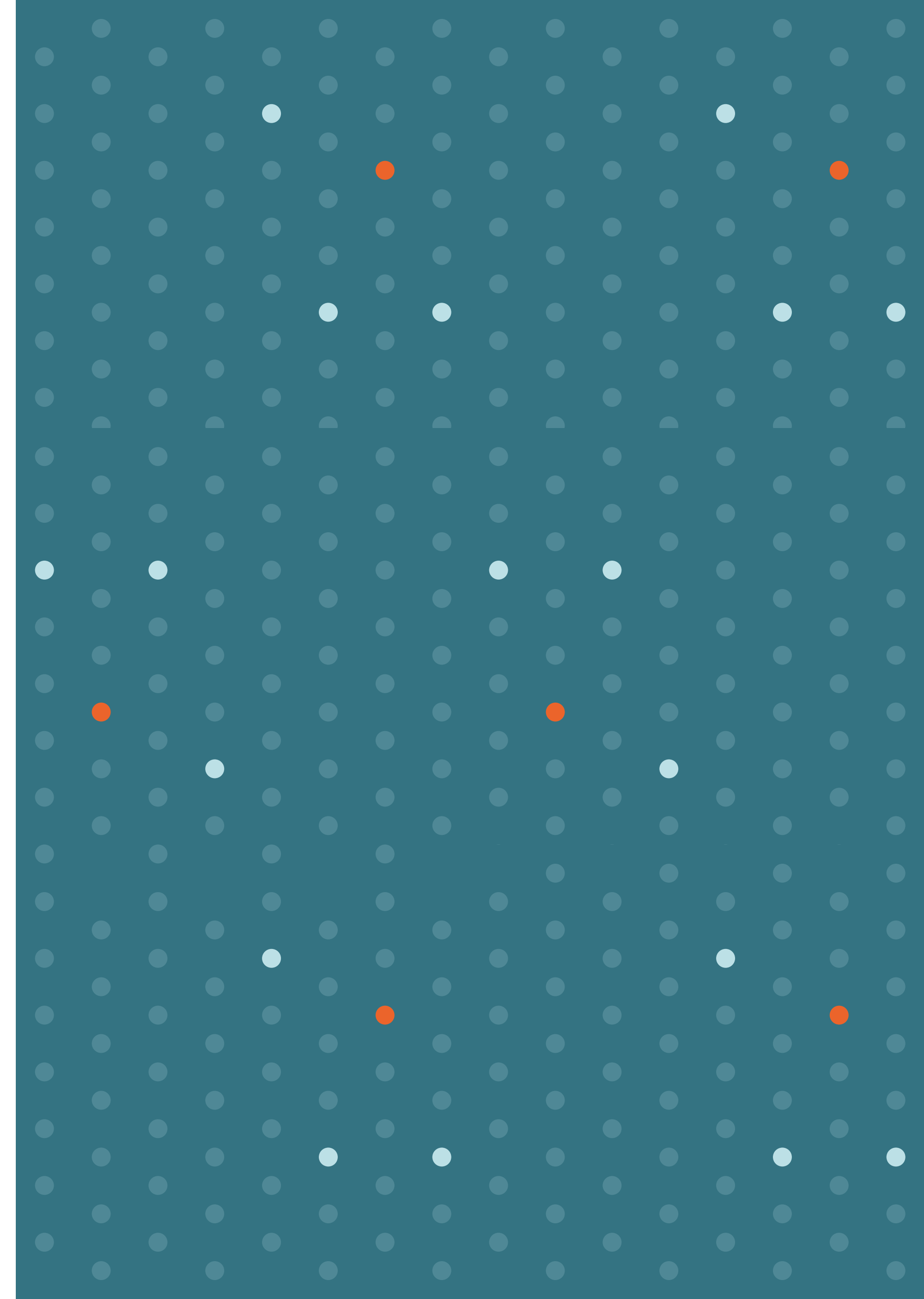
Locations
Miami, Florida, United States

RECRUITING
NCT05524571
Study to Assess Bataclimab in Participants With Active Thyroid Eye Disease

Conditions
Thyroid Eye Disease

Locations
Pasadena, California, United States
San Francisco, California, United States
Torrance, California, United States
Sarasota, Florida, United States

Clear Filters (3) Apply Filters



Thank You!

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