

Research & Development

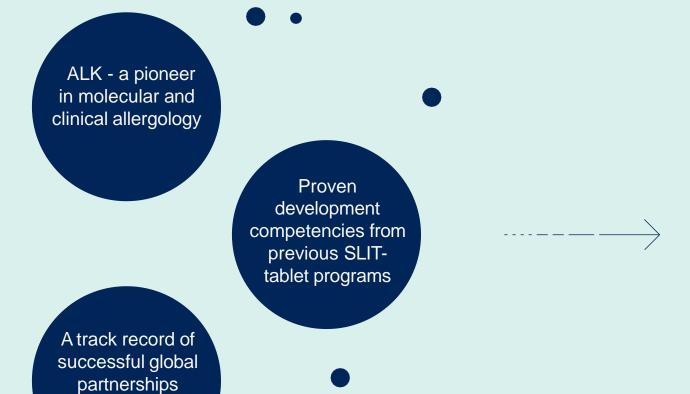
Expansion of R&D pipeline to serve more people with allergy

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contributing to innovation



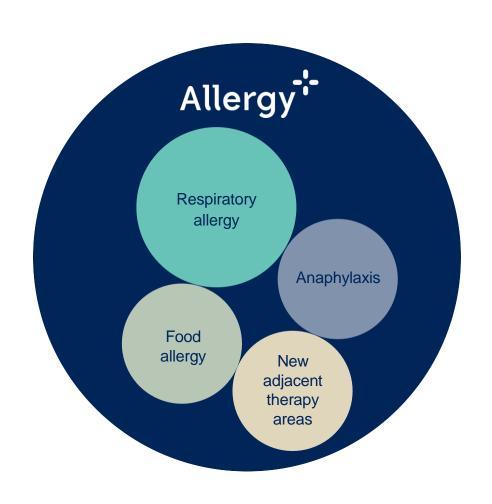


Ample opportunities to leverage ALK's core R&D capabilities and scientific leadership to amplify innovation and serve more people with allergy





Remaining unmet needs in allergy call for more innovative solutions to improve outcomes



Respiratory allergy

Many patients have uncontrolled disease despite symptom-relieving treatment

Intervention from young age is needed to combat the atopic march¹

Food allergy

Life-threatening condition with high prevalence among children

Peanut & tree nut allergy account for the highest rate of anaphylaxis

Anaphylaxis

Massive under-utilisation of adrenaline auto-injectors

Optimal treatment is often impeded by late intervention and use

New adjacent therapy areas

Indications with high unmet needs and inadequate treatment options

Ample opportunities to make a real difference to people





R&D vision | Invest in building a balanced pipeline through internal & external innovation to bolster long-term growth

Strategic priorities

1

Expand leadership in respiratory allergy, build portfolio in anaphylaxis & food allergy and expand pipeline into adjacent TAs

2

Leverage R&D capabilities to increase internal innovation

Grow and advance the pipeline through external innovation and partnerships

4

Deploy data, digital tools and AI throughout drug development

2028 ambitions



Increased number of clinical pipeline assets



Balanced pipeline with regards to innovation potential, development risk, value potential, therapy area, development stage, etc.

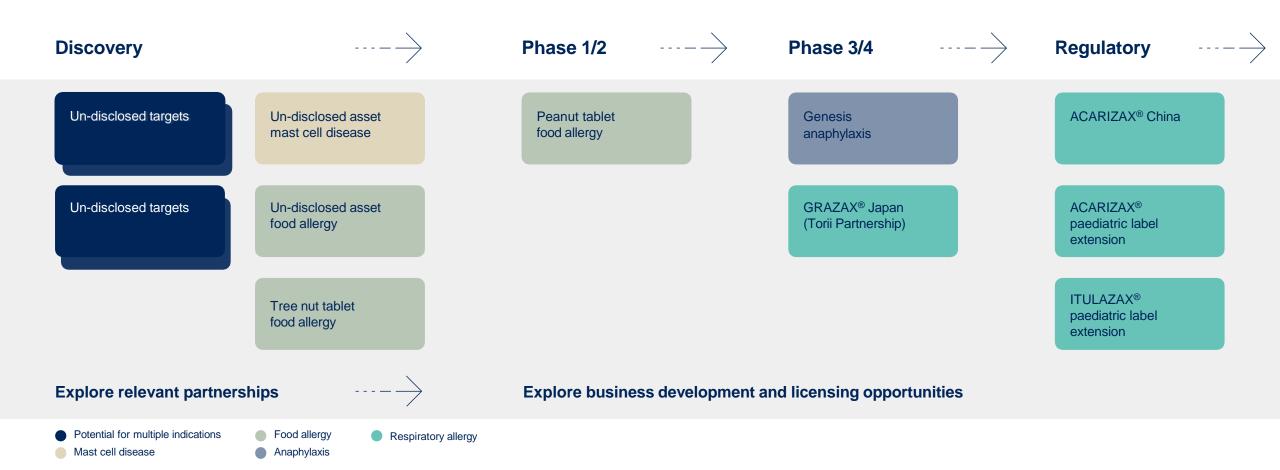


Bring more assets from research to development to launch





Today's pipeline supports ALK's mid-term growth targets — yet further innovation needed for longer term ambition







Translating corporate strategic priorities to R&D pipeline activities

Respiratory allergy

Maximise the value of the respiratory portfolio through LCM

Pioneer disease modification and prevention of the atopic march

Enhance evidence generation by leveraging data and Al

Anaphylaxis

Committed to build portfolio

Progress Genesis development

Develop innovative solutions internally and through partnerships

Food allergy

Advance peanut AIT program

Progress pipeline projects with new mechanism of actions

Utilise data and AI to improve development programs & outcomes

New adjacent therapy areas

Progress new modalities in discovery

Research in key mechanisms (e.g. IgE memory B cells, mast cells)

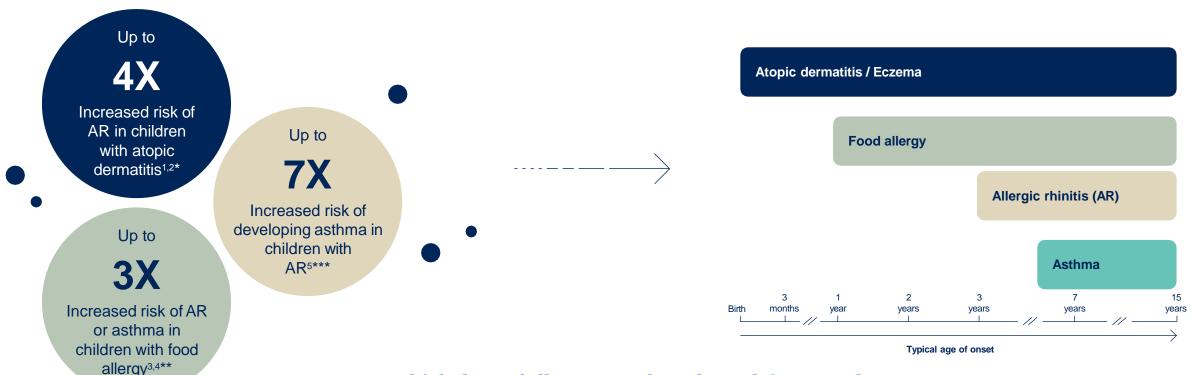
Build pipeline through internal & external innovation





Respiratory allergy is a chronic progressive disease often leading to multiple co-existing disease manifestations

Intervention in early childhood may prevent disease progression



Exposure to a high dose of allergens such as through immunotherapy early in life can drive the developing immune system towards tolerance⁶



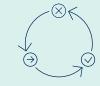


Strengthen AIT leadership through paediatric indications and focused LCM



Paediatric indications

- Two successful Phase 3 paediatric clinical trials completed in 2023
- Regulatory filings to obtain paediatric indications globally for HDM and tree tablets



Focused Life Cycle Management

- Geographical expansion of the tablet portfolio, e.g.
- GRAZAX® in Japan (Torii Partnership)



Evidence generation

- Strengthen evidence around burden of disease, disease modification and new indications
- Use AI to generate new evidence by leveraging unique data foundation and strong data science capabilities

We are developing the most complete portfolio globally in AIT, supported by a strong body of evidence





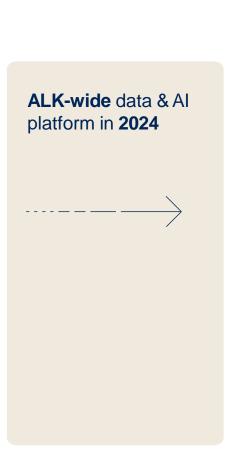
Data and AI enhance R&D innovation and development efficiency in respiratory allergy and beyond...

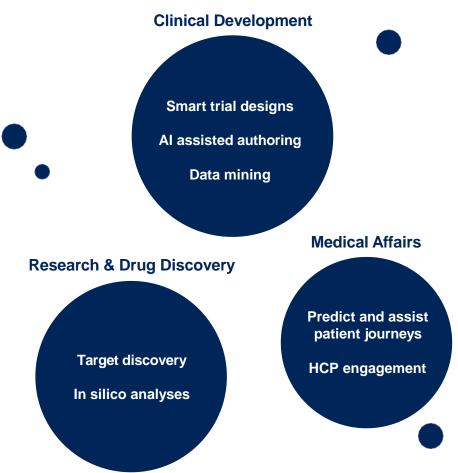
Unique data foundation

- 21 Phase 3 clinical trials
- 25+ years of lab data
- 100,000+ biobank samples
- 6m+ real world data from Klarify universe

Data Science track record

- Effect of SLIT on asthma
- Identification of memory B-cells
- Biomarker discovery
- Clinical data science
- Machine learning partnerships



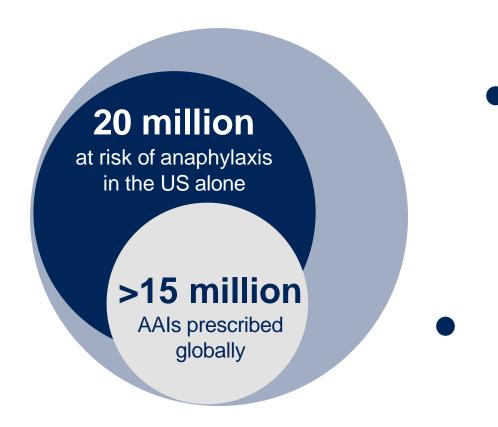


Note: HCP = health care professional





In a changing landscape, ALK remains dedicated to improving the life of people at risk of anaphylaxis - with a global portfolio of innovation



ALK is uniquely positioned in Anaphylaxis ...

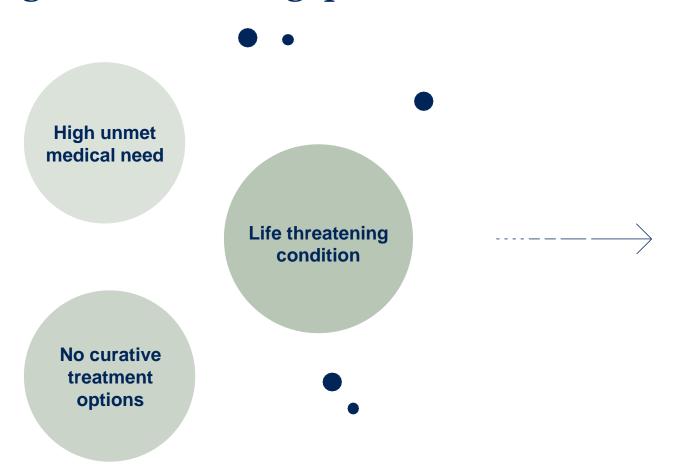
- Global company with strong legacy in anaphylaxis management
- Unmatched disease understanding and scientific leadership within severe allergies

.. to bring innovation to market and extend patient reach

- Current portfolio consisting of Jext, and the next-generation autoinjector, Genesis
- Committed to develop new patient-friendly solutions internally and through collaborations

Allergy:

Despite recent advancements, the unmet need in food allergy remains high with notable gaps in the treatment landscape



Ambition:

Build presence in food allergy with a portfolio strategy

Priorities:

- Advance peanut AIT program
- Progress pipeline projects with new MoAs
- Utilise data and AI to improve development programs & outcomes







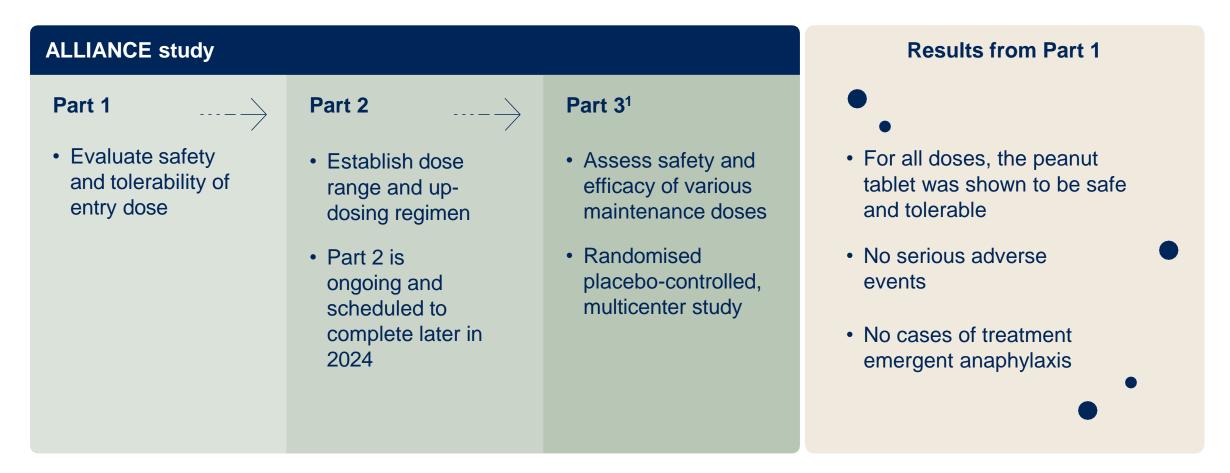
Drug development in food allergy is leveraging ALK's core R&D capabilities – starting with Peanut as point of entry

ALK core capabilities Strategic considerations Bridge to new indications Deep biology understanding Explore potential for **Build pipeline in** prevention of new allergies food allergy Unfold potential for long-term disease control World class experts Establish presence in Introduce novel concepts in molecular and and new modalities **Peanut allergy** clinical allergology • Pursue pipeline-in-aproduct Expand from peanut allergy • Build on legacy in AIT with the to food allergy **SLIT** platform Assess potential in adjacent indications with strong ALK Address the highest unmet Proven development SLIT tablets shown to be fit needs competencies from safe, efficacious and suited previous SLIT-tablet for paediatric use programs Unique MoA





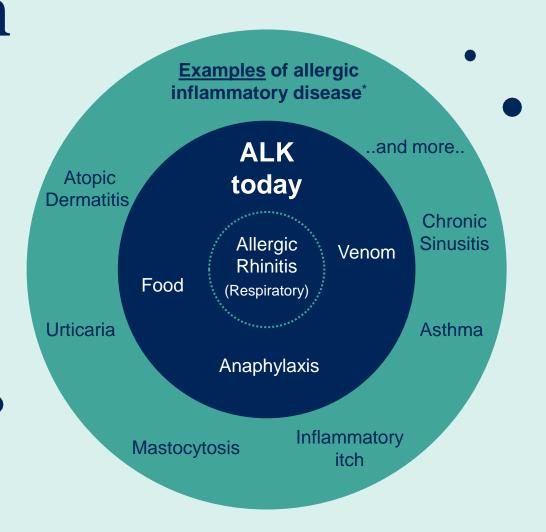
ALLIANCE study with Peanut tablet progressing as planned and amended with seamless Phase 1-2 design for an early efficacy read-out







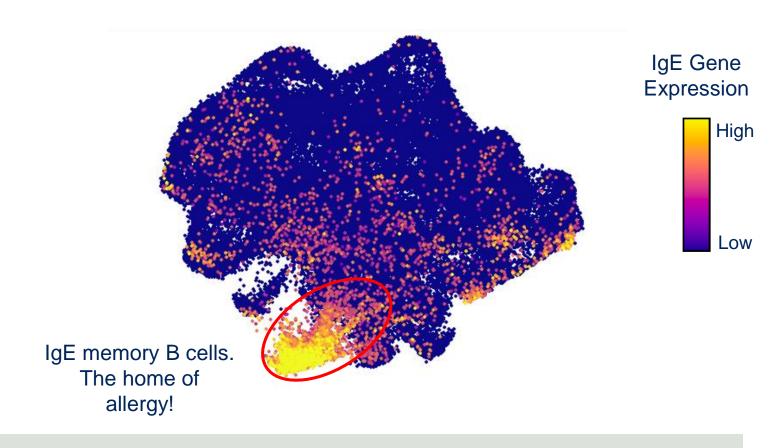
Gradual expansion into a broader
Therapy Area landscape







Immunomodulation takes center stage - New technologies lead to **breakthrough discoveries** in allergy

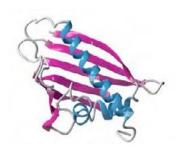


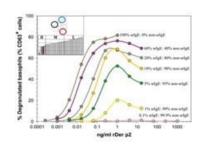




Building on decades of innovative research at ALK











1984 ○ ○ ○ ○ ..

Setting global standards for extract quality in AIT Pioneering molecular and structural biology of allergens Seminal work on IgE triggering by allergens Building the SLIT tablet portfolio in respiratory allergy

IgE memory B cells, the home of allergy



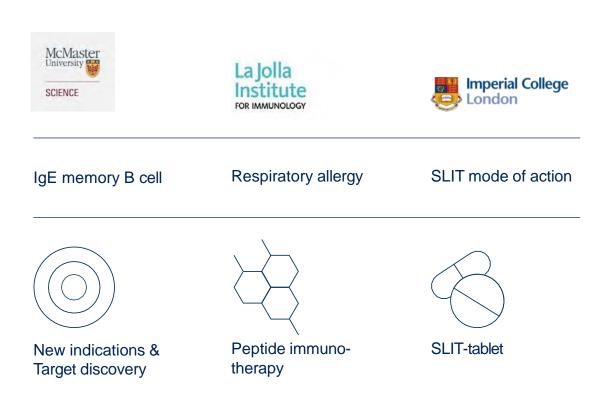


Leveraging global academic partnerships to propel innovation and build pipeline

Academic partnerships within the last 10 years



Selected key highlights of partnerships







Strengthen innovation through collaborations

Academic collaborations fueling initiation of the Peanut SLIT tablet program



Industry advisor for DTU FOOD project



Minor partner in DTU FOOD project sponsored by Innovation Fond DK



SickKids

McMaster collaboration in food allergy immunobiology
+ SickKids collaboration on tree nut allergy



Main industry partner in DTU FOOD project sponsored by Innovation Fond DK

Initiation of internal research in peanut allergy



Initiation of CMC development of peanut SLIT tablet



Initiation of Phase I clinical trial with peanut SLIT-tablet



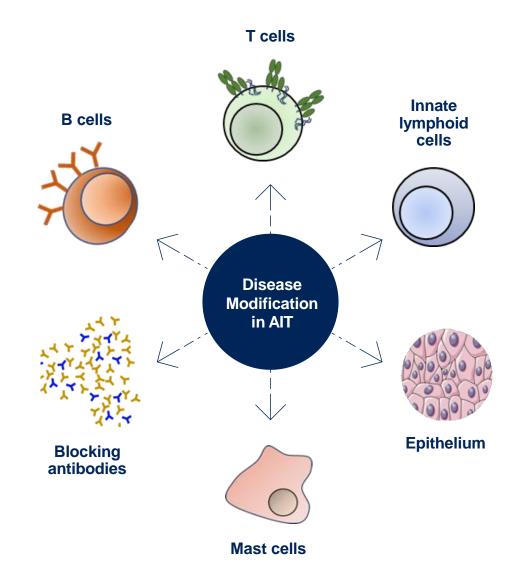




ALK's research and drug discovery at present

ALK core competences

- Internationally recognised centre in AIT mode of action
- World leading centre in molecular and clinical allergology
- Expert knowledge in mast cell and basophil activation
- Expert knowledge in recombinant antibodies and lymphocyte biology

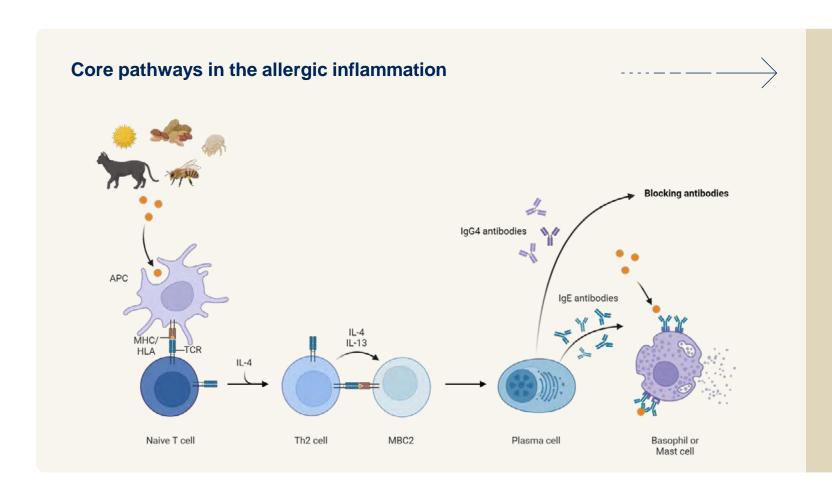






ALK well positioned to pursue new adjacent indications¹

Leveraging deep knowledge in "Type 2" immune mechanisms and dysregulation



Allergy

Examples of relevant adjacent indications¹

- Severe allergy
- Asthma
- Atopic dermatitis
- Mast cell disease, e.g.
 - Urticaria
 - Mastocytosis



Closing remarks

- Our R&D vision entails increased investments towards building a balanced pipeline for greater, long-term growth
- Strengthen leadership in respiratory allergy, and build a global position in anaphylaxis
- Pursue a portfolio strategy in food allergy with the Peanut tablet as point of entry
- Build upon a foundation of innovative research to expand into new adjacent indications
- Ample opportunities to leverage core R&D capabilities and scientific leadership to amplify innovation and serve more patients with allergy

