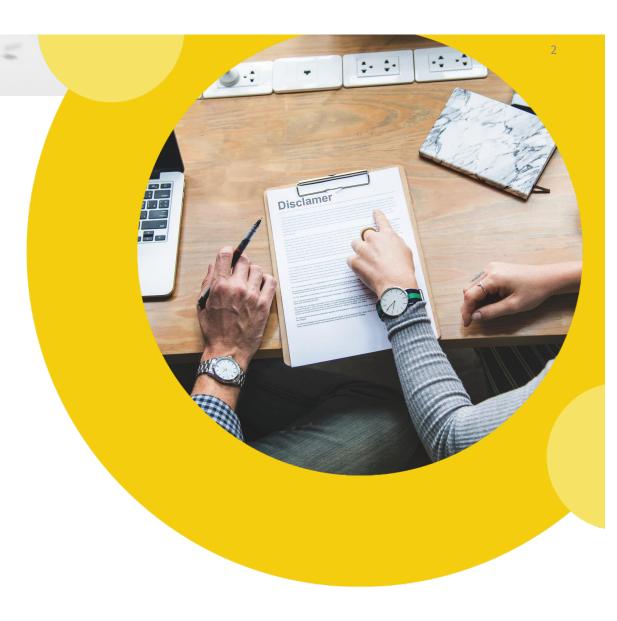


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- R&D PIPELINE

4. SUMMARY





CORPORATE

WHO IS ASIT BIOTECH ?



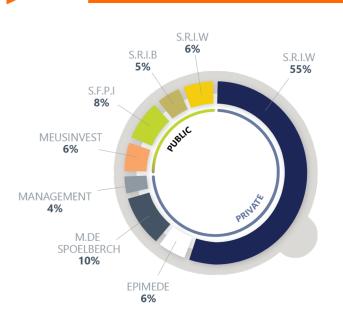
ASIT Biotech: Company Overview



ASIT HAS **ROBUST** SCIENTIFIC AND CLINICAL SUPPORT:

26 ACTIVE AND MOTIVATED **COLLABORATORS AND**

A NETWORK OF HIGH CALIBER COLLABORATIVE CENTERS





Raised **€86** million since inception

€23.4M IPO (2016)

€15.4M private placement (2018)

€12M convertible bonds (2018)

A CLINICAL STAGE
BIOPHARMACEUTICAL COMPANY
SPECIALIZED IN ALLERGY
IMMUNOTHERAPY QUOTED ON THE

BELGIAN AND FRENCH STOCK EXCHANGES

(EURONEXT)



ASIT Biotech: Management & Collaborators



MANAGEMENT

- Thierry Legon, Director & CEO
- Everard van Straten, Director & CFO
- Philippe Ghem, Chief Commercial Officer
- Vincent Bille, VP CMC
- Sabine Pirotton, Head of R&D
- O Marie-Etienne Pinelli, Chief Medical Officer
- Vincent Theunissen, Head of HR

DIRECTORS

- Gerd Zettlmeissl , Chairman
- Jean Duchateau , Director & Co-Founder
- Francois Meurgey, Director
- Harry Welten, Director
- Meusinvest: Michel Baijot
- Refinance Consulting SA: Yves Désiront
- S.F.P.I.: François Fontaine

COLLABORATORS



Jean Ceupens, MD, Peter Hellings, MD, and Team



Claus Bachert, MD, PhD and Team



Stephen Durham, MD, FRCP Mohamed Shamji and Team



Ralph Mösges, MD, PhD and Team





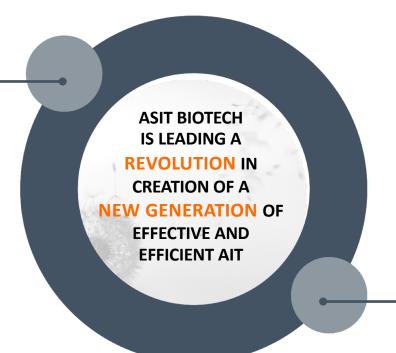
MARKET OPPORTUNITY



Opportunity in allergy immunotherapy (AIT) to migrate from old, inefficient therapies to a new generation of preventive treatment



HUGE REMAINING UNMET NEED



CHANGE THE GAME AND BECOME A LEADER IN THE FIELD



The ASIT+™ platform offers multiple benefits



MANUFACTURING

Allows the production, characterization and QC of its active ingredients, providing consistent & controllable product at low COGS and high margins

MECHANISM OF ACTION

Allows the **fast induction** of blocking antibodies while limiting the allergic reaction, resulting in an improved safety profile, a **short course** of treatment* and improved patient acceptance, compliance and efficacy



NOVELTY

ASIT Biotech is the **only company** developing allergy treatments consisting of a unique mixture of highly purified peptides from different selected sizes**, produced from natural sources of allergens, and free of adjuvants

INTELLECTUAL PROPERTY

Patent applications filed in US, EU, Australia, Japan, India, China and Brazil for methods to manufacture and methods of use of allergy immunotherapy products consisting of short peptide sequences from natural products

ASIT+: Antigen Specific Immuno-Therapy +

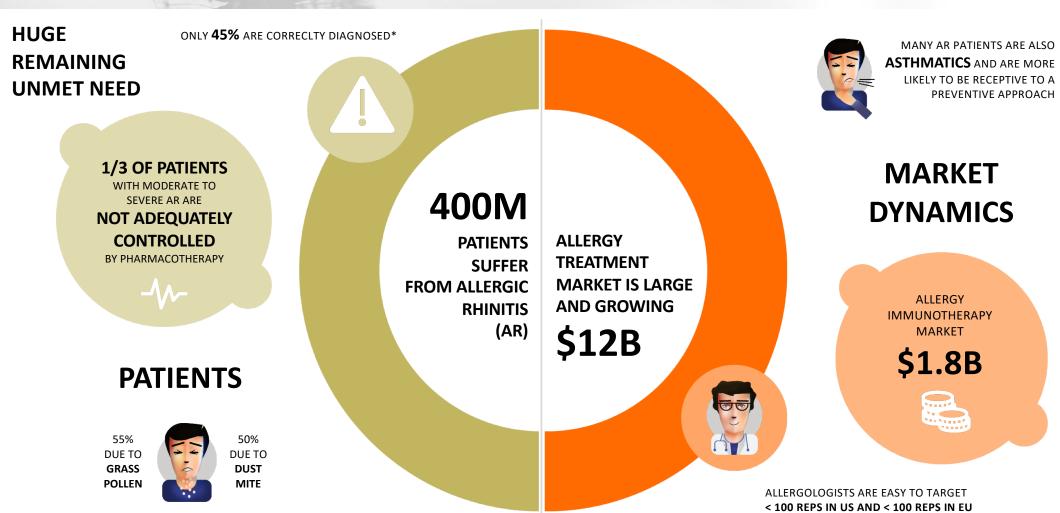


^{* 3-4} week treatment course as opposed to 40 - 60 doctor's office visits for whole allergen extract subcutaneous administrations and/or 6 to 12 month daily doses of sublingual whole allergen extract treatments which result in low compliance rates, reduced efficacy and increased patient suffering

^{** 1-10} kDa

The AIT market is <15% of the allergy drug market because of inefficient therapies



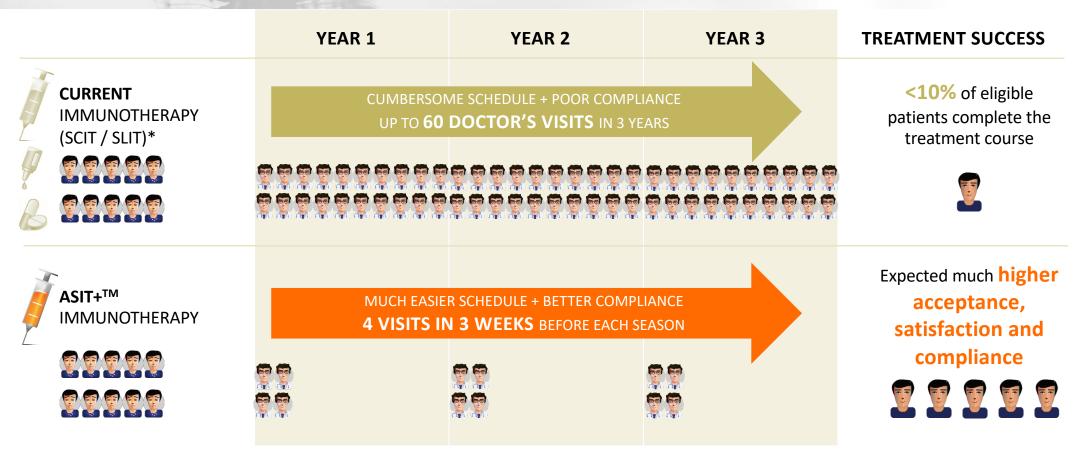


^{* 7%} severe, 58% moderate, 35% mild AR



ASIT's short course immunotherapy is much more efficient than current AIT





Only 4 visits for gp-ASIT+™ treatment are expected to provide protection for the entire pollen season



^{*}Subcutaneous immunotherapy treatment / Sublingual immunotherapy treatment

ASIT's short course immunotherapy addresses the unmet needs all key stakeholders

in a



- Registered product with documented safety and efficacy
- Reduced direct & indirect costs(4 vs. >10 doctor's visits)



HEALTH CARE SYSTEMS

- Real reduction of symptoms and quality of life
- Reprogramming of the immune system preventive approach
- Only 4 doctor visits prior to the pollen season

BENEFITS
FOR KEY
STAKEHOLDERS

- O Truly innovative solution
- More patients accepting AIT means more revenue
- O Higher patient satisfaction
- O SC injections handled by the physician



PHYSICIANS

PATIENTS

WE EXPECT FAST UPTAKE OF SHORT COURSE AIT, A NEW CATEGORY OF TREATMENTS THAT ASIT CAN DOMINATE





ASIT'S INNOVATIVE SOLUTION FOR AIT



ASIT has developed a versatile platform for allergy immunotherapy

ASIT BIOTECH IS THE ONLY DEVELOPER OF ALLERGY
TREATMENTS CONSISTING OF A UNIQUE MIXTURE OF
HIGHLY PURIFIED PEPTIDES FROM DIFFERENT
SELECTED SIZES, PRODUCED FROM NATURAL
SOURCES OF ALLERGENS, AND FREE OF ADJUVANTS

HIGH GRADE
PURIFICATION
OF ALL ALLERGENS
FROM NATURAL
EXTRACTS



STANDARD ENZYMATIC HYDROLYSIS

SELECTION OF
ALLERGEN
FRAGMENTS BASED
ON SIZE
DISTRIBUTION*



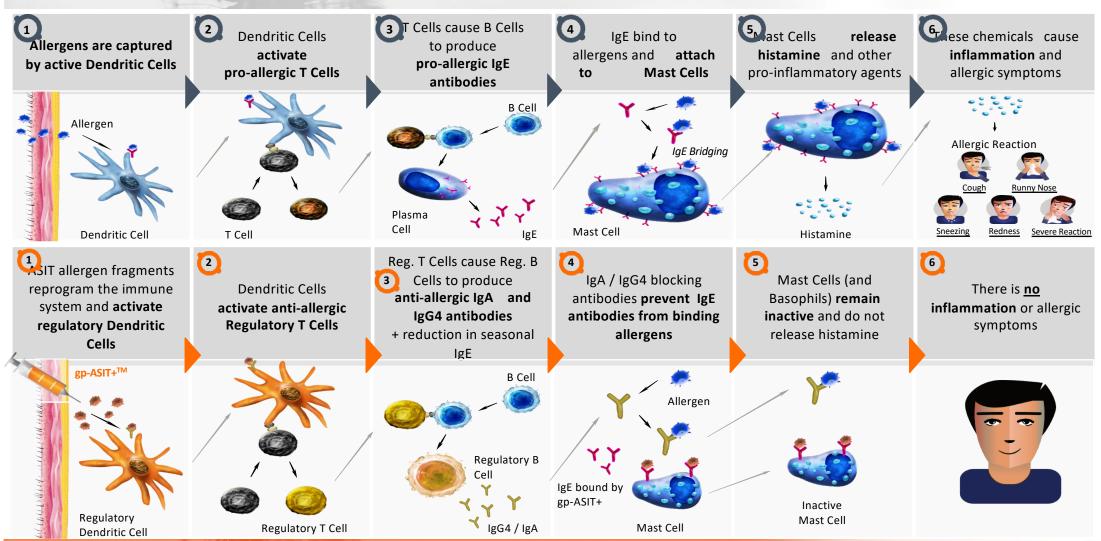
ALLERGEN
FRAGMENTS
WITH OPTIMAL
SIZE
DISTRIBUTION

THE ASIT+™ PLATFORM OFFERS:

- O A validated production process at commercial scale
- **O** Validated QC procedures
- O A scalable solution that is applicable to various allergens (e.g., House Dust Mites, Peanuts)
- Already available Ex-vivo screening, immunogenicity and therapeutic models

Allergy is an inappropriate immune response against a harmless substance





gp-ASIT+™ allergy immunotherapy induces a natural regulation of the immune system in 3 weeks



The ASIT+TM platform enables a significantly more efficient therapeutic option



- O The mechanism of action allows for the **fast induction** of protective antibodies without the need for an adjuvant, while limiting the allergic reaction, leading to the potential for at least **one-year of efficacy** with a single round of treatment:
 - O Lowers the induction of allergen-specific IgE compared to whole allergens during and after treatment
 - O Reduces basophil activation and mast cell degranulation
 - O Induces regulatory T-cell and B-cell activation
 - Increases IgG4 formation
- Allows for a faster injection regimen of higher doses, compared to treatments with whole allergens
- Results in a reduced course of treatment, e.g., 4 doctor visits over 3 weeks for gp-ASIT+TM

ASIT BELIEVES THE ABSENCE OF AN ADJUVANT IMPROVES OVERALL LONG TERM SAFETY

ASIT BELIEVES
THE REDUCED COURSE OF
TREATMENT WILL IMPROVE
PATIENT ACCEPTANCE,
COMPLIANCE & AIT
EFFICIENCY



ASIT currently has several projects at different stages of the R&D pipeline





^{*} Initial candidate for hdm-ASIT+TM showed good safety but insufficient immunogenicity in a PhI/II study





SUMMARY



The ASIT opportunity

FOR A POTENTIAL INVESTOR

- O A near-term revenue generating opportunity
 - Phase III, low-risk innovative product opportunity for grass pollen allergy immunotherapy with results expected in Q4 2019
 - O Launch expected in 2-3 years
- An opportunity to **gain market leadership in a large growing market** with gp-ASIT+TM, a novel and efficacious late stage product
- Access to a **pipeline of products** for food and house dust mite allergies, using **NOVEL** small peptide approach with **strong IP**, aiming at changing the game in allergy immunotherapy. Start PhI/II in 2019.

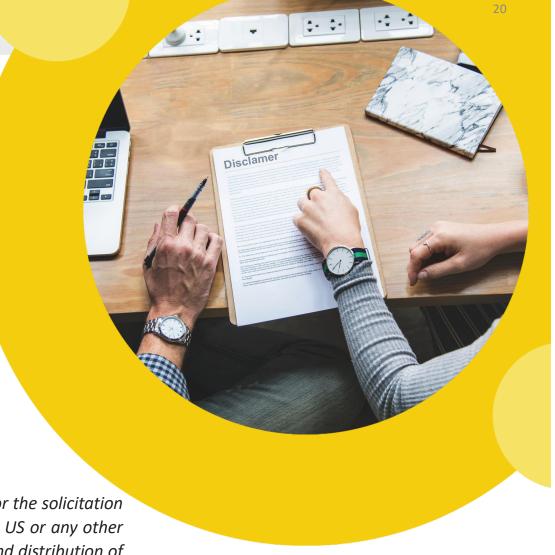
FOR A PARTNER

Partners who will financially support co-development and commercialization of gp-ASIT+™ and/or ASIT's pipeline of potential new products, preferably through equity

^{*} An allergy to grass pollen is the largest cause of allergic rhinitis, impacting millions of patients

ANALYSTS COVERAGE

Analyste	Reco	Objectif *
Gilbert Dupont	Accumuler	4,50 €
KBC Securities	Acheter	5,50€
Edison	N/A	7,40 €
Bryan Garnier	N/A	5,70€



* This information does not constitute an offer to sell or subscribe, or the solicitation of an order to buy or subscribe for securities in France, Europe, the US or any other country. ASIT biotech have agreed on a service for the production and distribution of financial analyses with Edison and Bryan Garnier.





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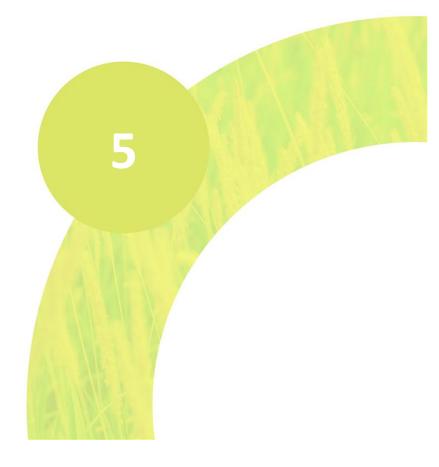


APPENDIX





gp-ASIT+TM GRASS POLLEN



gp-ASIT+™ is the most advanced R&D pipeline project (Phase III)



- Mechanism of action is well understood and characterised
- Comprehensive preclinical & clinical data set, including multiple preclinical studies, a Phase I safety study, a Phase II POC efficacy study, and an initial Phase III safety & efficacy study (Data Room available after CDA)
- A first Phase III study was completed in 2017:
 - O Double blind, placebo-controlled, with four escalating doses of allergen
 - 549 patients across 57 EU centres, with 93% of patients completing the study
 - O Data for all patients showed significance and the 20% symptom reduction primary endpoint was nearly achieved despite a poor results in Germany, which heavily weighted the study
 - CPT (Conjunctival Provocation Test) performed after treatment showed a **reduced** reactivity compared to baseline in 177 subjects (60.0%) in the gp-ASIT+™ group and in 56 subjects (37.6%) in the Placebo group*

FIRST PHASE III STUDY
SHOWED SIGNIFICANT
REDUCTION IN ALLERGY
SYMPTOMS AND
MINIMAL ADVERSE
EVENTS



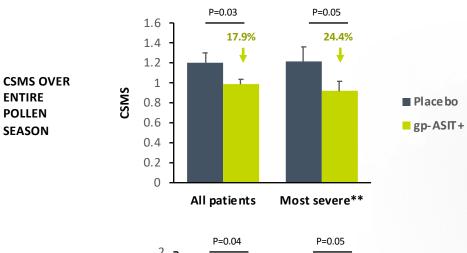
A CONFIRMATORY
PHASE III STUDY WITH
IMPROVED STUDY
DESIGN IS PLANNED
FOR 2019

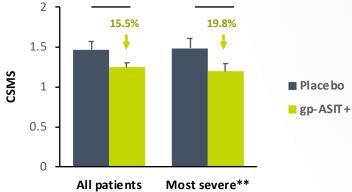


^{*} The difference between the two groups was found to be statistically significant (p < 0.0001)

In Phase III, gp-ASIT+™ demonstrated safety and efficacy







In a Phase III study

- □ gp-ASIT+TM resulted in a statistically significant improvement in CSMS* during the peak pollen period and the entire pollen season in the whole Phase III patient population
- The predefined absolute average 20% difference in CSMS* between placebo and the treatment group was nearly achieved over the peak season despite a poor results in Germany, which was heavily weighted in the study#
- In a patient subgroup with the highest CPT** reactivity at baseline (more than ½ of patients), CSMS* improvement was even higher

Secondary endpoint

Reactivity to the conjunctival provocation test (CPT) decreased significantly in 60.0% of patients treated with gp-ASIT+TM compared with 35.6% in the placebo group

PL: Placebo; LPP: Lolium Perenne Peptides (gp-ASIT+TM)

CSMS:

PEAK

POLLEN

PERIOD

ASIT received positive scientific advice from the German regulator, the Paul-Ehrlich Institute, and is now preparing a redesigned confirmatory Phase III study (First patient in planned in Jan 2019)



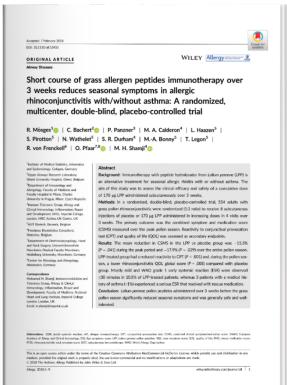
^{*} CSMS: Combined Symptom-Medication Score

^{**} CPT: conjunctival provocation test (score from 1 to 4; most severe patients = CPT 3 & 4)

Clinical data on gp-ASIT+ has been published in top peer-reviewed journals



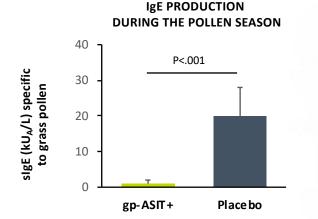




CLINICAL DATA FROM
PHASE II AND PHASE III
HAS BEEN PUBLISHED BY
WORLD-CLASS SCIENTIFIC
PARTNERS IN PEERREVIEWED JOURNALS

Reliable immunological data correlates with strong efficacy data in a Belgian sub-population*







The production of sIgE due to exposure to natural allergens during the pollen season was blunted in a sub-group of Belgian patients* receiving gp-ASIT+™ compared to those receiving placebo



Data from 33 patients in Belgium showed a 35% reduction in CSMS** during the peak pollen period and >50% reduction for the entire pollen season (both highly significant)



^{*} Blood samples from a representative sub-group of Phase III patients in Belgium (n=33) were compared from V8 (after the grass pollen season) vs. V6 (after treatment before the pollen season)

^{**} CSMS: Combined Symptom-Medication Score

ASIT is now preparing a confirmatory Phase III study designed to maximise probability of success



Learnings implemented in the upcoming study:

- A higher number of clinical centres* spread over
 6 countries to avoid recruitment issues and weighting of a single center or country
- Each study site will be restricted in the number of patients that can be enrolled
- Sites will be selected in regions with a history of high pollen rates and high quality pollen counts
- The study will seek to enroll the most allergic patients
- Electronic diaries instead of paper diaries will be used to engage with patients and ensure better data collection
- The study will be subcontracted to a **single CRO** experienced in allergy studies

WE WILL START TREATING PATIENTS BEFORE THE POLLEN SEASON: Q1 2019

TOP-LINE DATA EXPECTED BY THE END OF 2019

FILING MAA IN GERMANY EXPECTED IN 1ST HALF 2020

Lessons from the first Phase III are helping not only to optimize the confirmatory study but also discussions with the FDA** to finalize a US development plan for gp-ASIT+™



^{* 80} centres vs. 57 centres in the first Phase III study

^{**} Planned for 04 2019

The ASIT+™ platform is protected by several routes of intellectual property



Pharmaceutical formulation for allergen preparation

Expiration date: 28/06/2027

Patent Numbers: PCT/EP2008/068366

The patent family is directed to a special way of purifying and denaturing extracts of natural allergens and a special way of hydrolysing allergens, their formulation and use as pharmaceutical product to treat allergy.

A method for the production of hydrolyzed allergens

Expiration date: 15/06/2032

Patent Numbers: PCT/EP2012/061404

The patent family covers an improved method for the production of hydrolysed allergens, especially applicable to peanut allergens

