ASIT biotech publishes the results of the hdm-ASIT+™ Phase I/II follow-up study in house dust mite rhinitis

- No long-term improvement shown in a follow-up study of the initial Phase I/II with hdm-ASIT+™ performed on a subset of 19 patients (placebo = 5, treated = 14) out of the 36 initially randomized
- 3 new hdm-ASIT+™ prototype products ready to be sent this week to Imperial College London to select a new drug candidate with an immunogenicity profile equivalent to gp-ASIT+™, ASIT biotech's lead product candidate for grass pollen rhinitis

Brussels, Belgium, 24 October 2017, 5.45 pm (CEST) – ASIT biotech (Euronext: ASIT - BE0974289218), a Belgian clinical-stage biopharmaceutical company focused on the research, development and future commercialization of breakthrough immunotherapy products for the treatment of allergies, published the results of a follow-up study with hdm-ASIT+™ for house dust mite rhinitis.

A follow-up study of the Phase I/II trial with hdm-ASIT+™ was performed at the Carl Gustav Carus University Hospital in Dresden, Germany. Out of the 36 initially randomized patients (9 placebo and 27 treated), 5 placebo and 14 treated patients underwent one complementary medical visit 8 months after the end of the treatment. The objective was to assess a potential long-term improvement on the reactivity to a conjunctival provocation test and the blood levels of house dust mite allergen specific antibodies (IgG, IgG4, IgE and blocking antibodies). This follow-up study did not demonstrate a long-term improvement of these parameters.

3 new prototype products for house dust mite rhinitis have already been designed on the basis of the ASIT+™ technology platform. These will be sent to Imperial College London this week to be tested *ex vivo* on the blood cells from allergic patients in the framework of a rational drug design program operated in close collaboration with Dr. M. Shamji, Scientific Advisor at ASIT Biotech and Associate Professor at Imperial College London. The objective of this testing is to select a new product candidate with an immunogenicity profile equivalent to the one of gp-ASIT+™, ASIT biotech's lead product candidate for grass pollen rhinitis.

The next clinical trial with hdm-ASIT+™ is postponed until an hdm-ASIT+™ product candidate is available. Such a product is expected to be selected from the outcome of the *ex vivo* tests by H1 2018 and the upcoming clinical study with hdm-ASIT+™ is expected to start in 2019.

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About hdm-ASIT+™

hdm-ASIT+™ product candidate for the treatment of house dust mite allergy consists of a mixture of natural allergen fragments obtained from a purified specific proteinic extract from house dust mite (*dermatophagoides pteronyssinus)*. In contrast to the synthetized peptides, the natural peptides (70% of the fragments ranging from 1,000<MW<10,000) include a wide range of epitopes that stimulate the immune system with optimal complexity.

The administration schedule of the treatment should be of short duration compared with currently commercialised treatments. This should constitute a major competitive advantage to improve the acceptance and the compliance of the patients. In addition, the administration schedule includes successive injections with half of the visit dose in both arms, an innovative solution that enables the delivery of the total dose necessary for the therapeutic effect in a faster and safer way. Finally, the product candidate is formulated without adjuvant, which increases the long-term safety of the product by decreasing the local and general reactogenicity as well as the frequency of the adverse events, which represents a further advantage in markets less permissive to adjuvanted formulations (e.g. US).

About ASIT biotech

ASIT biotech is a Belgian clinical stage biopharmaceutical company focused on the development and future commercialisation of a range of breakthrough immunotherapy products for the treatment of allergies. Thanks to its innovative ASIT+™ technology platform, ASIT biotech is currently the only developer of AIT product candidates consisting of a unique mixture of highly purified natural allergen fragments in an optimal size selection. This innovation results in a short treatment, expected to improve patient compliance and real-life effectiveness. ASIT biotech's product pipeline entails two novel ASIT+™ product candidates targeting respiratory allergy with the highest prevalence (i.e. grass pollen: gp-ASIT+™ and house dust mite: hdm-ASIT+™), that could significantly expand the current immunotherapy market. The Company believes that its innovative ASIT+™ platform is flexible and would be applicable across a range of allergies.

ASIT biotech has a headcount of 22 staff members, at its headquarters in Brussels and a laboratory in Liège, Belgium.

Further information can be found at: www.asitbiotech.com.

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