



*Joint Press Release*

## **Bioengineering Valley in the Great East**

### **BASF and the French startup Plant Advanced Technologies carry on the research of new biomolecules for the cosmetic industry and agriculture**

*Nancy, March 9<sup>th</sup> 2017 - The today visit of the Bioengineering Valley by Philippe Richert, President of the Great East Region, was an opportunity to encourage the links between BASF, the world's leading chemical company, and Plant Advanced Technologies PAT an innovative SME. The original and ambitious partnership between the two companies aims at developing new relevant key biomolecules for the cosmetic industry, as well as for agriculture.*

#### **Vegetal biodiversity to build tomorrow's solutions**

With BASF, the world's leading chemical company on one side, and PAT, an innovative startup specialized in the discovery and production engineering of rare natural plant compounds on the other side, the two companies carry on a very promising R&D collaborative program. The technologies developed by PAT allows to unlock the natural potential of plants to produce biomolecules so far deemed inaccessible. PAT disclosed the discovery and successful validation of a set of targets and biomolecules. Through the partnership, BASF and PAT hope to offer innovative and relevant solutions to the cosmetic industry and agriculture. The association between the new technologies "Plant Milking®" and "Target Binding®" developed by PAT and BASF expertise in research, development, production and marketing of high technology ingredients will allow to intensify the discovery of new biomolecules. The goal is to identify unique concepts to bring concrete solutions to the agriculture sector and the cosmetic industry, for example bio pesticides or a new generation of cosmetic products. During the visit, Philippe Richert, President of the Great East Region could notice the dynamism prevailing in the Bioengineering Valley. The partnership between BASF and PAT fosters the development of an innovative sector between France and Germany and strengthens the Franco-German relations.

## **A strategic position**

With high level infrastructures, the Great East region has many assets to develop tomorrow's innovations. The PAT production site, key representative of BioProLor consortium, is located near Nancy. In 3 hectares of greenhouse, the high instrumented site allows to reach productions of biomolecules renowned "non sourceable" while preserving the environment and natural plant biodiversity. A few kilometers away, BASF Beauty Care Solutions represented by the production site of Pulnoy has decided to invest in a research platform for extraction & processes for cosmetics. Based on sustainable technologies such as the one developed by PAT, BASF aims to bring to the cosmetic market key relevant biomolecules which presents an interest for skin care. Finally, across the border, the ultramodern screening platform of the BASF site in Limburgerhof, Germany, allows to identify the most effective molecules against fungus, insect pests or weeds.

BASF and PAT are committed to strengthen their collaboration to intensify the identification and production of natural active ingredients able to both meet the cosmetic industry needs and achieve the efficiency and quality standards of crop protection products expected by farmers.

### **About Startup Plant Advanced Technologies PAT**

PAT is a plant biotechnology company producing rare, new actives dedicated to cosmetic, pharmaceutical and agrochemical markets. PAT develops exclusive solutions that:

- offer innovative and differentiating products with high added value
- extend the frontiers of plant "sourcing" so that rare compounds can be produced industrially while preserving plant biodiversity
- are complete, controlled all the way from the plants to the final product

PAT is listed on ALTERNEXT of Euronext Paris (ISIN code: FR0010785790 - Mnémonique: ALPAT).

### **About BASF's Crop Protection division**

With sales of more than €5.8 billion in 2015, BASF's Crop Protection division provides innovative solutions for agriculture, turf and ornamental plants, pest control and public health. Our broad portfolio of active ingredients, seed treatments, biological controls, formulations and services optimizes efficient production of high quality food and protects against post-harvest loss, damage to buildings and the transmission of disease. By delivering new technologies and know-how, BASF Crop Protection supports the effort of growers and pest management professionals to make a better life for themselves and society. Further information can be found on the web at [www.agro.basf.com](http://www.agro.basf.com) or on our social media channels.

### **About BASF**

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 114,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of about €58 billion in 2016. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at [www.basf.com](http://www.basf.com).

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