

MICROPEP TECHNOLOGIES

One line pitch:

Natural Genes Silencing Boosters for a new generation of biostimulant, biocontrol and plant's biotechnologies solutions.

Market Analysis:

2 main applications: in fields (agriculture products) or in-vitro (Biotech Product) = 3 target markets:
1 - Biostimulant: - Using miPEP to promote plant's growth and resistance to abiotic stresses (drought, salinity, etc.) - Market size: c.\$1.6 Bn in 2015, Market growth: CAGR% (2016-2021): + 10,5% p.a. 2 - Biocontrol / Biopesticide: - Using miPEP to increase plant's resistance against biotic stresses (bacteria, virus) and control pests - Market Size: c.\$2.8Bn in 2015, Market growth: CAGR% (2015-2020): + 15% p.a. 3 - Plants secondary metabolites - Using miPEP to improve plant's biotech processes (pharma, food, cosmetic, ...) for ex. by boosting secondary metabolites

Value proposition:

A New Natural, Highly Specific, Non GMO, Non-Toxic Gene Silencing Technology - Natural: miPEPs are naturally present in plant's cells and regulates microRNA expression, a natural gene silencing mechanism - Highly Specific: miPEP's amino-acid sequence are specific to both the targeted microRNA and the plant specie. i.e. a miPEP improving maize germination will not improve weeds germination. - Non-GMO: we will use miPEP as "exogenous" products: we don't touch DNA at all. - Non-toxic: miPEP are very small (micro) peptides that can easily degrade in the environment. - Gene-silencing: by boosting microRNA expression from outside, we can push plant's metabolism in one's desired direction.

Business Model:

1 - Agriculture: mixed approach between Platform (Research Service) and Product BM: Some miPEPs will be "opened" to third parties: we will sign research agreements that could lead to licensing deals (in case of success) to help industrial develop their products with our miPEP. Example: Mycorrhizae miPEP. Lower risk - lower returns. We will keep some miPEPs for ourselves and try to develop a complete product (including formulation, fields trials results, market authorization) before negotiating distribution agreements. Higher risks - higher returns. 2 - Biotech Process: Platform approach (Research Service)

IP and Regulatory situation:

Exclusive licence contracted with Toulouse Tech Transfer, Midi-Pyrénées SATT (and one of Micropep's Shareholders) 9 patents: 3 forming a "princeps patents" and 6 for 3 different applicative patents: miPEP for roots nodulation, miPEP for roots Mychorizae, and miPEP for flowering.



COMPANY PROFILE

- **Website:**
www.micro-pep.com
- **Field:**
- **Contact:**
LAURENT Thomas
thomas@micro-pep.com
- **Location:**
91 allees charles de fitte
31300 Toulouse
France
- **Founded in:** //04/2016
- **Employees:** 3
- **Financial information (€):**
 - **Company stage:**
Proof Of Concept
 - **Capital raised to date:**
75000
 - **Monthly burn rate:**
c. 30k€ in the next 3 months,
c.150k€ in 2017
 - **Capital seeking and date:**
€3-5M - Q12017
- **Investors:**
Founders , Réseau
Entreprendre Midi Pyrénées +
FPRI (60k€ loan to CEO)