

Phoennix sp. z o.o.



## GENERAL INFORMATION

Managing director, head of organisation	Rafal Gnojnicki
Country	Poland
adress	Swidnicka 22/41 50-068 Wroclaw
main contact telephone	0048 504 284 010
main contact email	miroslaw.miller@phoennix.pl
URL	www.phoennix.pl
Year of foundation	2016
number of employees, working in transfer processes	2
type of organization	company
Aim/role with respect to the transfer process	Managing of early stage research and development projects. Evaluation of technology, establishment of spin-offs, managing of financing. Public-private invetsment funds.
Main area with respect to the key topics	nanotechnologies & advanced materials, medical technologies, agriculture
Main contact person for transfer	Prof. Miroslaw Miller
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## OFFERED TRANSFER ACTIVITIES

### services in terms of the identification and description of innovative and economically applicable ideas

- identification of current research results in research institutions, universities (e.g. using technology scouting)
- foster scientists in the description of the exploitable idea, focussed on its application in enterprises
- technology assessment according to technical, legal and economical aspects, such as technology maturity level, patentability, standard conformity, necessary licensing procedures)
- determination of the potential technology users' (licensees) needs and requirements

## services in terms of the dissemination of innovative and economically applicable ideas

### *publish and disseminate*

- user-oriented descriptions of the idea (technology), (such as technology offers and technology files)

### *publication modes and media*

- brokerage events (events bringing together developers and potential users)/ meetings introducing economically applicable research results

## services to bring together parties that could be relevant for the application of new ideas and technologies

- implementation of visits in research institutes or enterprises
- initiating and presenting/ moderating bilateral and subject-specific discussions held by technology suppliers and potential users

## services in terms of the preparation of economic exploitation of an (innovative and economically applicable) idea/ technology

- contract research (e.g. initiating, bringing together the potentially exchanging parties, project management)
- research cooperation
- boosting acquisition of financing or funding of the defined transfer (e.g. consulting, bringing potential partners together)
- spin-off creation by own organisation

## services of the economic exploitation of innovative and economically applicable ideas

- supporting patent exploitation/ licensing (e.g. patent search; market analysis, foundation consulting)
- supporting implementation of spin-offs based on innovative ideas/ technologies
- Poland: SPV as one way for economic exploitation

## services in terms of collective advancement of innovative and economically applicable ideas resp. research fields

- establishment of institutional structures for the cooperation between science and economy (e.g. endowed chairs, joint research institutions as a kind of public private partnership, associated institutes closely connected with universities)

## **SPECIAL CONTACT FOR OFFERED SERVICES**

Prof. Mirosław Miller, 0048 504284010, miroslaw.miller@phoenix.pl

- identification/ description of the innovative and economically applicable idea surname

- dissemination of the innovative and economically applicable idea
- establishment of contacts
- advancement of economically applicable and innovative ideas or research fields

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- preparation of economic exploitation of innovative ideas/ technologies
- economic exploitation

## geographical area of transfer activities and services

- national

## TARGET GROUPS

### kind of organisation

- organisations offering or developing innovative ideas/ new technologies and organisations demanding for innovative ideas or new technologies
- start-ups
- TT centers
- VCs
- scientists, innovators

### businesses of target groups

- Agriculture, forestry and fishing
- Manufacturing
- Accommodation and food service activities
- Professional, scientific and technical activities
- Human health and social work activities

### number of employees of target group organisation(s)

- < 10
- 10 - 99

## REFERENCES

Bioavlee (Bacteria Identification System) - startup established in 2014-2016 in Synaptise SA (commercialized in 2017) Bioavlee is robot device identifying bacteria colonies by analysing their laser diffraction image. At the first stage, a sample with the clinical material is incubated until bacteria colonies are obtained. At the next stage, diffractograms of unknown bacteria colonies are registered with the use of a dedicated optical system (the optical system is protected by a patent). On the basis of the comparison of the unknown species bacterial colonies spectra with the spectra template specifying the given species (already collected in the database), a decision is made on which spectra of the given species should be classified, in relation to the pattern, with a certain probability. Next, registered

spectra of the unknown bacteria species colonies are analysed, also with the use of image processing as well as statistical data analysis. Classification (statistical data analysis) is based on the evaluation of the given measurable features of the diffractal spectra and the construction of statistical models, which best describe the relations between the features of given bacteria species. On the basis of the comparison of the unknown species bacterial colonies spectra with the spectra template specifying the given species (already collected in the database), a decision is made on which spectra of the given species should be classified, in relation to the pattern, with a certain probability. The main areas of application are: veterinary medicine, medicine, food industry, pharmaceutical industry and agriculture.