

## New Attractiveness of Plant-Derived Natural Products

### BioPlanta GmbH and AnalytiCon Discovery GmbH announce their cooperation in the plant-based search for active ingredients.

Leipzig, Potsdam (September 6, 2005) – The aim of the cooperation between BioPlanta and AnalytiCon is to find and to develop new plant-derived active ingredients for use in medicinal therapy. The potential for continuous production of these plant-derived pure compounds – independent of seasonal variation – is of vital importance!

Cell and organ cultures of rare plant species featuring an interesting pattern of substances are produced in bioreactors under clean room conditions. The most promising species are identified by means of a meaningful analytical profiling program in combination with selected biotests and a database comparison of the results. Potential drug candidates contained in these species are efficiently purified and identified. The main focus of interest in this cooperation is on substances with antitumoral properties.

First tests have already shown that *in vitro* cultures can produce more active agents than plants from wild collections or greenhouse cultures and frequently also yield new ones. The two cooperation partners have combined their technologies, to create an exceptionally effective *in vitro* production and screening platform.

BioPlanta has gained reputation within the scientific community for the development of its worldwide unique bioreactor technology for the production of plants under clean room conditions and their commercial exploitation. In collaboration with AnalytiCon, this technology is now being used to produce entirely novel groups of natural active ingredients in premium quality and with reliable availability. Innovative active agents can now be rapidly identified and provided in amounts needed for preclinical studies.

For AnalytiCon, the cooperation with BioPlanta represents another significant step towards strengthening the company's position as leading provider of natural product-based pure compound libraries and collections. From AnalytiCon's point of view, the reliable resupply which is independent of seasonal variation is a crucial requirement which will considerably boost the attractiveness of herbal ingredients as starting points in the search for active agents.

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**About BioPlanta**

*BioPlanta is one of the leading companies in applying bioengineered approaches for discovery, development, and commercialisation of fine chemicals and pharmaceutical compounds using its proprietary platform technology. This technology – the BioPlant-System – is particularly suitable for manipulating plant metabolism to generate active compounds with higher value than field plants. The control and variation of cultivation conditions enables customized content and spectra of the specific compounds. This innovative platform technology was installed to manufacture plant derived chemical compounds for pharmaceutical, flavour, and food related industries. It allows the production of high-quality drugs, cost-effective scale up, an efficient screening of new active compounds, and the design of novel drugs. For further information see [www.bioplanta-leipzig.de](http://www.bioplanta-leipzig.de).*

**About AnalytiCon Discovery**

*AnalytiCon a brand and at the same time successful company is world's first address for all needs in connection with natural product drug discovery. From prospecting for biosources, via fermentation, extraction and isolation to high throughput structure elucidation, the company provides a vast portfolio of first class services. Beyond that, AnalytiCon produces pure natural product compound collections and libraries of synthetic, natural product based molecules carrying relevant bioactive structure elements. The natural product drug discovery platform is complemented by a portfolio of medicinal chemistry services.*

*For further information see [www.ac-discovery.com](http://www.ac-discovery.com).*

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