BioAlliance Pharma announces:
Grant of « orphan designation » for clonidine Lauriad™ in Europe

Paris, November 2, 2011 - BioAlliance Pharma SA (Euronext Paris - BIO), a company dedicated to specialty and orphan oncology products, today announced that clonidine Lauriad™ has been granted orphan designation by the European Commission in the prevention of radiotherapy-induced oral mucositis in patients with head and neck cancer.

Oral mucositis is a very frequent inflammation of the oral mucosa in head and neck cancer patients treated with radio- and chemotherapy (98,000 new patients estimated per year in Europe*). Severe oral mucositis occurs in 60% of these patients and may induce intense oral pain and eating disability requiring artificial nutritional support. In 20 to 30% of cases, patients have to be hospitalized and the disease may result in a modification or a stop of the radiotherapy treatment in more than 10% of them**. Radiotherapy-induced oral mucositis has currently no preventive cure.

In Europe, the orphan designation is granted for medicinal products in diseases affecting less than 5/10,000 patients. This status permits to benefit from incentives related to the clinical development, thus enabling a faster registration, and an extra protection with a 10- year commercial exclusivity after market authorization.

"The European designation for clonidine Lauriad™ as an orphan drug is key in shortening its development timeline, optimizing costs and reinforcing its future market access. Clonidine Lauriad™, currently in Phase II clinical trial, is the second product from our "Orphan Oncology Products" portfolio to be granted orphan status in Europe. The portfolio comprises assets with high commercial potential and will leverage our future growth", stated COO, Judith Greciet.

**Data Globocan 2008 – Prediction 2010, EU-27 (European Union)*

*** Trotti et al, 2003*

About BioAlliance Pharma

Dedicated to cancer and supportive care treatment with a focus on resistance targeting and orphan products — BioAlliance conceives and develops innovative products, for specialty markets especially in the hospital setting and for orphan or rare diseases.

Created in 1997 and introduced to the Euronext Paris market in 2005, BioAlliance Pharma's ambition is to become a leading player in these fields by coupling innovation to patient needs. The company's teams have the key competencies required to identify, develop and register drugs in Europe and the USA; the products' commercialization rights are licensed to international commercial partners invested in the hospital setting. In areas where medical needs are insufficiently met, its targeted approaches help overcome drug resistance and improve patient health & quality of life.

BioAlliance Pharma has developed an advanced product portfolio:

Specialty products

Loramyc®/Oravig® (oropharyngeal candidiasis in immunocompromised patients): Registered in 28 countries (EU, US, Korea)

Sitavir® (Acyclovir Lauriad™) (labialis herpes): Positive phase III final results; registration status

Fentanyl Lauriad™ (chronic cancer pain): Positive preliminary Phase I results

Orphan Oncology products

Livatag® (Doxorubicin Transdrug™) in primary liver cancer: Authorization for Phase III clinical trial

Clonidine Lauriad™ (mucositis): Phase II on going

AMEP® (invasive melanoma): Phase I on going

For more information, visit the BioAlliance Pharma web site at www.bioalliancepharma.com

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This communication expressly or implicitly contains certain forward-looking statements concerning BioAlliance Pharma SA and its business. Such statements involve certain known and unknown risks, uncertainties and other factors, which could cause the actual results, financial condition, performance or achievements of BioAlliance Pharma SA to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. BioAlliance Pharma SA is providing this communication as of this date and does not undertake to update any forward-looking statements contained herein as a result of new information, future events or otherwise.

For a discussion of risks and uncertainties which could cause actual results, financial condition, performance or achievements of BioAlliance Pharma SA to differ from those contained in the forward-looking statements, please refer to the Risk Factors ("Facteurs de Risque") section of the 2010 Reference Document filed with the AMF on April 7, 2011, which is available on the AMF website (http://www.amf-france.org) or on BioAlliance Pharma SA's website (http://www.bioalliancepharma.com).

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