

The Opportunity

Researchers at the National Institute of Advanced Industrial Science and Technology (AIST) of Japan have developed and patented a therapeutic isolated from certain plants that has demonstrated effectiveness in treating leukemic cells ex vivo.

The plants also provide chemicals that can be made into filters that efficiently and selectively separate leukemic cells from a patient's blood.

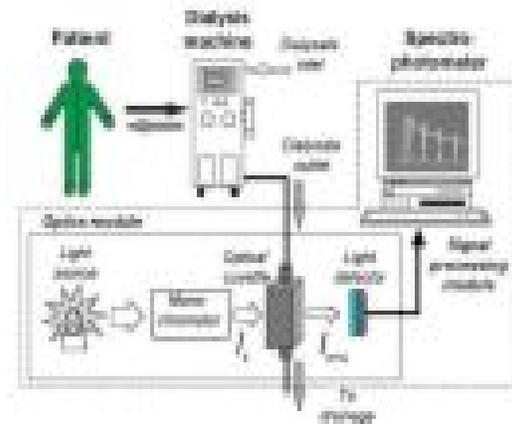
Patented Technology

Three primary patents protect materials, methods, and therapeutics that adsorb leukemia cells. Leukemic cells are filtered from blood by passing through columns containing the materials, which are extracted from certain plants. Current U.S. patent protection includes:

US Patent	Features
6,465,512	<ul style="list-style-type: none"> Naturally-sourced apoptosis-inducing leukemic cell growth inhibitor. Methylsulfanylalkyl isothiocyanate compounds extracted from plants belonging to the family of <i>Cruciferae</i> such as Wasabi japonica Matsum and broccoli.
6,987,022	<ul style="list-style-type: none"> Selectively adsorbs leukemic cells from externally-circulated blood e.g., via dialysis. Novel material is isolated from beans of <i>Dolichos biflorus</i>. Related to 6,420,171.
6,420,171	<ul style="list-style-type: none"> Lectin-based protein derived from a specific mushroom fungus such as <i>Agrocybe cylindracea</i> is used to provide a leukemic cell-adsorbing column. Related to 6,987,022.

Intellectual Capital

AIST (National Institute of Advanced Industrial Science and Technology) is Japan's extensive public research organization established in 2001. AIST and its predecessors have advanced technology and supported Japanese industries since 1876.



Although not specifically a government institution, AIST is largely funded by the Japanese government.

Comprised of more than 50 autonomous research units in various innovative research fields, about 2500 research scientists and well over 3000 visiting scientists contribute to goals of:

- Sustainable society
- Industrial competitiveness
- Local industrial development
- Industrial technology policies.

AIST Home Page:

www.aist.go.jp/aist_e/about_aist/index.html

For More Information

AIST is seeking to license this technology and provide assistance with its commercialization success to qualified organizations.

Consideration will be provided to a range of financial, strategic, and commercial investment options.

Certain circumstances will warrant consideration for nominal funding from AIST.

Contact:

Mike Allan, Vice President
Tel: 216-881-8526
email: mfallan@firstprincipals.com
Website: <http://www.firstprincipals.com>