



Office of Technology Transfer

Peoria Office

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Technology Transfer Office

Encourages, promotes, and facilitates the application and commercialization of technology resulting from ARS research. Fosters cooperation between users of the technology and ARS. Responsible for ARS' Technology Transfer Program. Responsible for USDA's Patent Program. Responsible for USDA's Patent Licensing Program. Responsible for negotiating CRADA's, MTA's and CA's.

Cooperative Research and Development Agreement (CRADA)

To expedite federal research activities to the private sector to enhance global and domestic competitiveness.

Primary tool linking government and industry researchers authorized under the Federal Technology Transfer Act of 1986.

Partnerships between federal laboratories and businesses to move new technologies into the marketplace.

Allows a company the first right to negotiate an exclusive license for any inventions that result from the research partnership under the Agreement.

Material Transfer Agreement (MTA)

To provide ARS materials to outside organizations for research purposes.

To bring in materials to ARS from outside parties for research purposes.

Confidentiality Agreement (CA)

To share confidential ARS or company information to determine if there is sufficient mutual interest to proceed with a Cooperative Research and Development Agreement (CRADA) and/or a patent license.

For further information contact:

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Other types of Partnerships

Trust Fund Cooperative Agreements

Reimbursable Cooperative Agreements

Memorandum of Understanding

Non-Funded Cooperative Agreements



Technology Licensing Program

Negotiates the licensing of USDA patented technologies with the private sector.

Subject to policy of the 1980 amendments to the **Patent and Trademark Laws (Bayh-Dole) Act** and the **Federal Technology Transfer Act of 1986**.

License fees and royalties negotiated on a case by case basis; fees depend upon:

- Scope of the rights granted.
- Size of the potential market.
- Time and financial investment required by the licensee to bring a product to market.

Licenses can be granted both exclusively and non-exclusively or by specific field of use.

For further information contact:

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PARTNERING and the ARS OFFICE OF TECHNOLOGY TRANSFER

ARS continually looks for opportunities to partner with private sector businesses, other federal agencies, state and local governments, universities, and its customers.

These partnerships are designed to augment research programs, expedite research results to the private sector, exchange information and knowledge, stimulate new business and economic development, enhance U.S. trade, preserve the environment, and improve the quality of life for all Americans.

ARS' Office of Technology Transfer helps move ARS research discoveries to the marketplace by facilitating and coordinating such partnerships.



Available Technologies, MWA Bioenergy

Culture containing biomass acid hydrolysate and *Coniochaeta ligniaria* fungus
(U.S. Patent No. 7,067,303)

Beta-xylosidases for conversion of plant cell wall carbohydrates to simple sugars
(U.S. Patent Application, S/N 11/904,577 and PCT/US2007/081010)

Method of making fatty acid ester derivatives
(U.S. Patent Application S/N 11/717,524 and PCT/US2007/088224)

Production of itaconic acid by *Pseudozyma* Antarctica
(U.S. Patent Application, S/N 11/639,762)

Inhibitor tolerant *Saccharomyces cerevisiae* strain
(U.S. Patent Application S/N 12/143,965)

Wood adhesives containing solid residues of biomass fermentations
(U.S. Patent Application S/N 12/151/353)

High level functional expression of genes in an industrial *Saccharomyces cerevisiae* strain engineered for xylose utilization
(ARS Docket No. 0074.08)

<http://www.ars.usda.gov/business/business.htm>

Marketing

Develops and implements marketing strategies to facilitate technology transfer.

Provides information on ARS technology transfer activities.

Ensures information about commercial successes is publicly available.

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Patent Section

Assist ARS scientists in protecting intellectual property.

Coordinate invention reports.

Prepare and prosecute patent applications.

Oversee patent applications prepared by contract law firms.

Many ARS inventions are transferred directly to the public without intellectual property protection. However, some ARS inventions require further development or significant financial investments by the private sector before the public is able to use ARS technology.

To provide incentive for such investments, ARS may patent and license new technology in order to transfer the technology to our customers.

CONTACTS:

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