



TECHNOLOGY TRANSFER DEPARTMENT AT FNUSA-ICRC

(TT FNUSA-ICRC)

FNUSA-ICRC is dedicated to fast and efficient transfer of modern biomedical technologies and knowledge to and from practice. For this purpose, FNUSA-ICRC has established a specialised Technology Transfer Department (TT).

The pace of the world we live in is becoming ever faster. Today's modern science includes not only research as such, but also the need to put research results into practice and commercialise them. Cooperation between researchers and technology transfer specialists is therefore becoming ever deeper.

We work with FNUSA-ICRC researchers and our academic and industrial partners to share latest knowledge and discoveries, and to put research results into practice.

Find out more about the services the Technology Transfer Department offers to FNUSA-ICRC researchers and how we collaborate with industry and the education sector.

We offer our researchers a wide range of services that are provided by our Technology Transfer Department:

- Training in intellectual property (IP) protection and technology transfer
- Protection of intellectual property
- Proof-of-concept grants
- Help with commercialisation of research results
- Facilitation of contract research
- Facilitation of research collaborations
- Match-making for joint grants with industry
- Applications for innovation vouchers
- Exchange of know-how with the corporate sector
- Technology scouting

Training in intellectual property

Intellectual property (IP) and related issues very much affect each individual researcher at FNUSA-ICRC, as well as the possible future protection of intellectual property. The Technology Transfer Office therefore offers training in this area. If you are interested in an IP consultation, please feel free to contact us.

As part of the training, we will be happy to answer the following questions and many more:

- *Can my result be protected?*
- *Is it more appropriate to protect the result with a patent, or a utility model?*
- *What is the difference between a patent and a utility model?*
- *I have a result I want to publish it. Will its publication jeopardise possible its future protection or commercialisation?*
- *I am the author of a new result. Does FNUSA-ICRC have any internal rules for how to register it for future handling?*
- *As the author of a commercialised result, am I entitled to remuneration?*

Protection of results of research and development

The Technology Transfer Department (TT) is concerned with the legal protection of FNUSA-ICRC's research results in order to facilitate their use in practice and, where relevant, their commercialisation. In collaboration with external patent attorneys, we protect results that may shape the future of medicine.

When you say:

Author – the originator of a work that was created by a FNUSA-ICRC employee as an *employee work*. Such a work, and the property rights to it, belong to FNUSA-ICRC, unless FNUSA-ICRC waives these rights, in which case the rights transfer to the author.

Industrial property – a new result that can be used economically. This includes e.g. patents, utility models, industrial designs and trademarks. A common trait of industrial property is that the results can be registered with the competent authorities.

Invention Disclosure Form – If the inventor has created an invention or a utility model as part of their employment relationship with FNUSA, they are obligated to report such fact to the Technology Transfer Department (TT) within 30 days.

A **patentable invention** involves an inventive step and meets the requirement of novelty with respect to the state of the art as at the date of filing the invention application. Furthermore, it must be susceptible of repeated industrial application, i.e. it can be manufactured or otherwise used in industry, agriculture or other areas of the economy.

A **technical solution** that is new, exceeds the scope of a mere skill and is susceptible of repeated industrial application can be protected by a utility model. Technical solutions that are protected by utility models tend to have less potential for commercialisation, a shorter lifespan, or are subject to lower requirements in terms of the overall level of the inventive step.

Literature review and technology scouting

Literature review

In research and development, or prior to the actual protection of results, it is necessary to have an understanding of the current state of the art. The Technology Transfer Department can carry out patent searches for FNUSA-ICRC researchers, using electronic patent databases (the national database of the Industrial Property Office, international databases such as Espacenet, Patentscope, etc.).

Technology scouting

As part of commercialisation, it is possible to offer FNUSA-ICRC's own technologies via public technology exchanges or, conversely, to use public technology exchanges to monitor available technologies that could benefit FNUSA-ICRC.

Commercialisation

Research conducted at FNUSA-ICRC yields concrete results, for example new diagnostic and therapeutic methods and technologies, or new substances that can be used as pharmaceuticals. FNUSA-ICRC seeks to commercialise these results through the Technology Transfer Department, i.e. to pass them on to manufacturers of pharmaceuticals or medical devices for use in practice.

Most often, commercialisation takes the form of market research, selling licenses to the result or offering services related to the object of commercialisation. Before the actual commercialisation, the result in question is protected by a patent or a utility model.

Successful inventions created at FNUSA-ICRC:

- A US patent for a new method and apparatus for the diagnosis of ventricular dyssynchrony
- A patent for a drug with a potential use for prostate cancer treatment
- Filing a joint patent application with the Mayo Clinic at the US Patent Office for a new method and apparatus for the treatment of cardiac arrhythmia

Contract research

Contract research refers to situations where FNUSA-ICRC offers its specific services to the commercial sector, most often commercial companies. Contract research is mainly carried out under a contract for work.

Contract research does not include cases where, for example, a company and FNUSA-ICRC research a given issue through a joint project that is funded by national or European funds, or where it is a public contract financed from public resources.

Where the Technology Transfer Department gets in contact with a party interested in contract research and the contract research is valid and feasible within the range of services offered, FNUSA-ICRC researchers will work with employees of the Technology Transfer Department and representatives of the company to negotiate the terms of the contract and, most importantly, to describe in detail the subject-matter of the work to be created and made available for use to the company in exchange for a consideration.

The price for contract research also includes a profit which goes to the research team's budget and, where relevant, it includes remuneration for the person who secured the contract.

As part of contract research, you can offer research and development services, including related consulting services, such as:

- Sample processing
- Custom measurement
- Testing etc.

The agreed price for contract research must cover all related costs and, in addition, generate a profit.

Innovation vouchers

For contract research projects, small and medium-sized companies from the Czech Republic and abroad can obtain *innovation vouchers* covering up to 75% of the costs of projects that are implemented for them, partly or fully, by academic institutions such as FNUSA-ICRC. FNUSA-ICRC has already implemented several such supported projects, including e.g. the clinical assessment of a new monitor for operating theatres, the testing of stent healing in arterial walls, or the preparation of documentation and experiments for testing newly developed medicinal products.

Innovation vouchers are intended for smaller projects such as the purchase of consulting, expert and support services in the field of innovation from research institutions in the Czech Republic or from accredited laboratories in order to initiate or intensify innovation activities. They are not intended for acquiring property, market analysis, internships or training.

If you wish to award a smaller contract-research project to FNUSA-ICRC and obtain an innovation voucher for that project, please contact our Technology Transfer Department.

We will explain how innovation vouchers work and prepare a Research Services Offer which you will need for your innovation voucher application.

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