

## Expression of interest for research cooperation

### Description of institution

Interested institution:	<u>Institute of Biotechnology, University of Rzeszów</u>
Department carrying out the proposed research	<u>Laboratory of Bioelectromagnetism</u>
Address and webpage	address: Pigoń 1a, 35-310 Rzeszów, Poland <a href="http://www.ur.edu.pl/wydzialy/pozawydzialowy-instytut-biotechnologii">http://www.ur.edu.pl/wydzialy/pozawydzialowy-instytut-biotechnologii</a>
Contact person (name, e-mail address, phone)	Anna Koziorowska, PhD akozioro@ur.edu.pl

### Research offer

#### Brief description of the department (key research facilities, infrastructure, equipment)

(up to 1000 characters)

Laboratory of Bioelectromagnetism is fully equipped molecular laboratory with generators of electromagnetic field (EMF) and measurement equipment to check the value of EMF of different frequencies. There are possible tests of cell cultures, tissue cultures and in vivo studies on big animals, under the influence of EMF.

#### Scientific area

<input type="checkbox"/> Chemistry	<input type="checkbox"/> Social Sciences and Humanities
<input type="checkbox"/> Economic Sciences	<input type="checkbox"/> Information Science and Engineering
<input type="checkbox"/> Environment and Geosciences	<input type="checkbox"/> Life Sciences
<input type="checkbox"/> Mathematics	<input checked="" type="checkbox"/> <b>Physics</b>

#### Research field

(up to 500 characters)

The Bioelectromagnetism Laboratory is a unit of interdisciplinary research combining electrical engineering, electrodynamics, electrical metrology with molecular biology. The team is investigating the impact of electromagnetic field (EMF) on biological structures, with particular emphasis on the brain and reproductive tract of females and males. There is also studies the impact of EMF on the viability of cancerous and non-cancerous cells.

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**The proposed research/project description**

(up to 1000 characters)

The Laboratory plans to study the influence of EMF of different frequencies on the cellular level and in vivo studies on animals.

**Additional information (key Persons and Expertise; additional trainings, research programme, other)**

(up to 1000 characters)

The head of Laboratory is a member of Polish Society of Electromagnetism Application.