



**Reference Documents:**

*Higher Education Act No. 199/2024 with subsequent amendments and completions*

*Charter of George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș*

*Law No. 206/2004 regarding good conduct in scientific research, technological development and innovation, with subsequent amendments and completions*

*Code of Ethics and Professional Conduct for George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș*

*Code of Students' Rights and Responsibilities of George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș*

*Law No. 500/2002 on public finances with subsequent completions*

# METHODOLOGY FOR FINANCING THE GRANTS FOR SCIENTIFIC RESEARCH INITIATION AND FOR SCIENTIFIC RESEARCH GRANTS WITHIN JUNIOR RESEARCHER ACADEMY

## Regulation Code: UMFST-REG-106 Edition 02

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Date: April 09, 2024

Approved: Administrative Board

Date: April 09, 2024

Effective date:	April 10, 2024
Date of withdrawal:	



## Chapter I. General Provisions/The Purpose of Methodology

**Art. 1.** The present methodology establishes the way of Internal competition financing for initiation scientific research grants / grants for scientific research within **Junior Researcher Academy** (MFGIJRA) is performed, organised by George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș (hereinafter UMFST G.E. Palade Tg. Mureș).

## Chapter II. Field of Application

**Art. 2.** The methodology is applied in Internal competition for granting financing for initiation scientific research grants / grants for scientific research within **Junior Researcher Academy** organised by UMFST G.E. Palade Tg. Mureș. The methodology is available for bachelor and master degree students from UMFST G.E. Palade Tg. Mureș, who has the status of **Junior Researcher – Involved level** respectively **Junior Researcher – Dedicated level**.

## Chapter III. Description of the Methodology

### Art. 3. Objectives:

The Internal competition for financing the initiation scientific research grants / grants for scientific research within **Junior Researcher Academy (JRA)** organised by UMFST G.E. Palade Tg. Mureș, has the following objectives:

1. encouraging JRA members to document and identify research / innovation topics of interest in the areas set within the bachelor's/master's programme;
2. supporting JRA members in obtaining knowledge and experience to write applications for funding and to participate in competitions;
3. supporting JRA members in obtaining knowledge and experience in the implementation of scientific research grants, including acquaintance with the specific administrative processes;
4. supporting JRA members in obtaining knowledge and experience in dissemination of research results by taking part at conferences and publishing scientific papers.

### Art. 4. Eligibility Criteria (cumulative criteria):

1. the applicant for the grant has bachelor or master student status at the UMFST G.E. Palade Tg. Mureș and is member of the **Junior Researcher Academy, Involved or Dedicated** level;
2. the applicant within the proposed grant is coordinated by a tutor, employee of the UMFST G.E. Palade Tg. Mureș, who in any of these positions: University Assistant, Head of Works / University Lecturer, Research Assistant, Scientific Researcher, third degree Scientific Researcher, second degree Scientific Researcher, first degree Scientific Researcher;
3. the applicant of the proposed grant has not implemented any JRA grant for Involved level members or Dedicated level;
4. the content of the proposed grant will represent:
  - a systematic review-type documentation of the specialty literature related to a specific topic or an original research project for scientific research initiation grants;
  - an original research, applied research or innovation project for scientific research grants.

### Art. 5. Duration and value of the project:

#### 1) **Involved** level

- The implementation period of the grant is 12 months starting with January of the following year, on the date of signing the financing contract.



- The amount of the awarded grant is maximum 500 EUR, equivalent in RON, at the BNR exchange rate on the date of signing the financing contract.

2) **Dedicated** level

- The implementation period of the grant is 24 months and starting with on the date of signing the financing contract.
- The amount of the awarded grant is maximum 2000 EUR, equivalent in RON, at the BNR exchange rate on the date of signing the financing contract.

**Art. 6. Eligible Expenses:**

1) Eligible expenses within the project are:

a. *logistic expenses* – needed to execute the grant:

- **Involved** level: expenses for access to specialised publications in the field of the grant (books, journals and other subscriptions), publication fees;
- **Dedicated** level: expenses for laboratory supplies, reagents, consumables, access to publications in the field of the grant (books, journals and other subscriptions), publication fees for articles, small equipment or tools needed to carry out the project (inventory items);

b. *mobility expenses* – taking part in national and international scientific events (travel, accommodation, participation fee expenses);

c. *overheads expenses* – 10% out of the total value of the project.

2) Salary expenses are not eligible. Subcontracting costs are not eligible.

3) Involved level: is not eligible the purchase of consumables, equipment or inventory.

4) Dedicated level: the acquisition of equipments (fixed assets) is not eligible. The purchase of IT equipment (laptops, computers, printers, tablets, telephones, routers, etc.) is not eligible, regardless of their value.

5) During the implementation of the project redistributions between budget chapters (logistics expenses and mobility expenses) are allowed in a limit of 15% out of the total budget of the project.

**Art. 7. Submission, Evaluation and Selection of Grant Proposals:**

1) *Submission of Grants* – Grant proposal will be submitted exclusively in electronic format, as it follows:

- **Involved** level - in **November** each year, according to the calendar that shall be published on the UMFST website, section JRA - **Involved** level. Those shall be sent to [jra\\_granturi\\_initiere@umfst.ro](mailto:jra_granturi_initiere@umfst.ro).
- **Dedicated** level - in **April-Mai** each year, according to the calendar that shall be published on the UMFST website, section JRA - **Involved** level. Those shall be sent to [jra\\_granturi\\_cercetare@umfst.ro](mailto:jra_granturi_cercetare@umfst.ro)

Applicants should send the following documents to the indicated e-mail address:

- a) Signed grant application, filled out in accordance with Annex 01 (Grant application for initiation in scientific research grants within Junior Researcher Academy), and Annex 03 (Grant application for scientific research grants within Junior Researcher Academy), in **English language** ( unprotected PDF file – a PDF file generated from an editable file, not a scanned document);
- b) declarations filled out according to Annex 05 and 06 (signed and scanned);
- c) A Certificate issued by the Dean's Office which confirms the applicant's student statute and enrollment in the current academic year as bachelor or master student, as well as the fact that the applicant has not repeated any year of study due to the accumulation of an insufficient number of ECTS for promotion (signed and scanned).

Failure to comply with the drafting criteria set out in Annex 01 , (Grant application for initiation in scientific research grants within Junior Researcher Academy), and Anexa 03 (Grant application for scientific research grants within Junior Researcher Academy), including the maximum number of characters/pages allocated to each subsection, declares the application INELIGIBLE.



2) *Eligibility Check* – The Validation Committee of the JRA makes an administrative check in order to make sure all eligibility criteria are met on the received project. The grading is ELIGIBLE/INELIGIBLE. The ELIGIBLE grants will move forward to the evaluation process. The list of proposed eligible projects is going to be published on the UMFST G.E. Palade Tg. Mureș website, section JRA Grants – Involved level and section JRA Grants – Dedicated level. Objections regarding meeting of the eligibility criteria can be mailed to [jra\\_granturi\\_initiere@umfst.ro](mailto:jra_granturi_initiere@umfst.ro) (for **Involved** level grants ) and [jra\\_granturi\\_cercetare@umfst.ro](mailto:jra_granturi_cercetare@umfst.ro) (for **Dedicated** level grants ) within 3 working days from the results were published.

3) *Evaluation of Grants* – Grants evaluated as eligible are evaluated by a panel of experts from UMFST G.E. Palade Tg. Mureș.

4) *Publishing the Results of Evaluation* – The list of proposed projects and their scores shall be published in descending order on the website of UMFST G.E. Palade Tg. Mureș, section JRA Grants – Involved level and section JRA Grants – Dedicated level .

5) *Appeals* – Applicants of the projects may submit written appeals within 3 working days from the date of publishing the results. Subject of the appeals can exclusively be only on procedural flaws which the candidate considers non-conform with the provisions of the present methodology. The appeals cannot refer to scores and to the observations of the reviewers. The appeals are going to be resolved by a Committee for appeals.

6) *Financing* – The list of the projects accepted for financing is established taking into consideration the allocated budget and the obtained scores. Projects that obtained a score less than 80 out of 100 are not going to be financed. The list of projects accepted for financing is going to be published on the website of UMFST G.E. Palade Tg. Mureș, section JRA Grants – Involved level and section JRA Grants – Dedicated level.

#### **Art. 8. Indicators:**

1) The indicators assumed by the beneficiary of the grants, are going to be mandatory achieved during the implementation of the project, are (cumulatively):

##### **a) JRA Grants – Involved level**

- at least one participation at a scientific conference as first author, with presentation, poster, abstract resulted from his activity within the grant;

- at least one in extenso article resulted from the documentation carried out under the grant, published in a UMFST G.E. Palade Tg. Mureș journal, indexed in international databases (BDI), in an external journal indexed by Web of Science or in a volume of a scientific event. The documentation and the writing of the article are going to be carried out according to the specific methodology for one of the following type of article: **original research articles, review articles including systematic review, state-of-the-art review, umbrella review, meta-analysis**. The author of published work will be the beneficiary of the financing will also have the role of corresponding author. No other persons are accepted in the list of authors.

##### **b) JRA Grants – Dedicated level**

- at least one participation at an international scientific conference as first author, with a poster or presentation resulted from his activity within the grant;

- at least one in extenso article resulted from the documentation carried out in the grant, published as first author published in a journal of the UMFST G.E. Palade Tg. Mureș indexed in international databases (BDI) or indexed in Web of Science. Only original research articles are accepted (excluding literature review, case report/series, letter to editor type articles).

2) For in extenso articles the official acceptance of publication is also taken into consideration.

3) At the end of the project implementation, within 30 days from the end of this period, the beneficiary of the grant shall make and present to JRA a Detailed Report concerning his activity.

4) Only in extenso articles, abstracts mentioned at the Acknowledgments <<This work was supported by the George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Research Grant number ...>> or <<This paper was financially supported by the George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Research Grant number ...>> are taken into consideration.



- 5) Articles that have multiple sources of financing shall not be quantified.
- 6) Failure to achieve the indicators leads to the recovery of allocated sums.
- 7) The beneficiary of the grant is responsible to keep the financial records of the project. Copies of all invoices are going to be filed in JRA grant file.
- 8) It is recommended that the drafting of the project to be made in accordance with the description of criteria used during evaluation (Annex 02).

**Art. 9. Responsibilities and liabilities during the activities:**

**Grant beneficiary** – submits the proposed project;

**JRA Validation Committee** – verifies the eligibility of the projects from an administrative point of view;

**Expert Assessors** – evaluate the grants in a panel;

**Committee for Resolving Appeals** – solves the appeals submitted by the applicants during the selection phase.

**Art. 10.** UCSDT/JRA can make revisions of the present methodology in accordance with newly identified needs or as a result of modifications in the legal framework.

*The present methodology was approved by the Administrative Board of the George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș on the 09th April 2024 and comes into force on 10th April 2024.*

**Annexes:**

Annex 01: Grant Application for Initiation in Scientific Research Grants within Junior Researcher Academy UMFST-REG-106-F01-Ed.02

Annex 02: Evaluation Criteria of the Proposed Projects - JRA Involved level

Annex 03: Grant Application for Scientific Research Grants within Junior Researcher Academy UMFST-REG-106-F03-Ed.02

Annex 04: Evaluation Criteria of the Proposed Projects - JRA Dedicated level

Annex 05: Statement on non-financing from other sources UMFST-REG-106-F05-Ed.02

Annex 06: Statement on the legality and accuracy of informations UMFST-REG-106-F06-Ed.02



INTERNAL COMPETITION FOR INITIATION IN SCIENTIFIC RESEARCH GRANTS WITHIN  
JUNIOR RESEARCHER ACADEMY – EDITION 20...

GRANT APPLICATION FOR **INITIATION IN SCIENTIFIC RESEARCH GRANTS** WITHIN  
JUNIOR RESEARCHER ACADEMY

**PROJECT TEMPLATE - FOR INITIATION GRANT IN SCIENTIFIC RESEARCH**

**1. Personal identification data of the beneficiary of the proposed grant**

1.1. Name	
1.2. Surname	
1.3. Date of birth (DD/MM/YYYY)	
1.4. Faculty/Master program	
1.5. Year of study	
1.6. Address	
1.7. Phone no.	
1.8. E-mail	

**2. Project title (max. 15 words)**

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**3. Keywords (max. 5)**

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**4. Project duration (max. 12 months)** \_\_\_\_\_

**5. Project objective(s) (max. 200 words)**

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**6. Justification of the chosen topic (max. 200 words)**

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**7. Current state of knowledge in the field at national and international level, according to the latest references in the literature (maximum 1 page)**



**8. Methodology for literature analysis and synthesis (maximum 1 page)**



9. How you intend to capitalize on the knowledge gained about the chosen field, in particular in terms of the possibility of further research (maximum 1/2 page)

10. Justification of the requested budget (Details of what is to be purchased and of any mobility planned to be carried out)

Budget chapter / line	Justification	Estimated cost (in lei)
<b>LOGISTICS EXPENSES</b>		
.....		
.....		
<b>Total logistics expenses</b>		
<b>MOBILITY EXPENSES</b>		
.....		
.....		
<b>Total mobility expenses</b>		
<b>OVERHEAD (10% of the TOTAL BUDGET)</b>		
<b>TOTAL ESTIMATED BUDGET</b>		

11. Bibliography

.....

Date \_\_\_\_\_

Project tutor,

Candidate's signature \_\_\_\_\_

Function, Name, First Name,

\_\_\_\_\_  
Signature \_\_\_\_\_



## GRANT APPLICATION FOR INITIATION IN SCIENTIFIC RESEARCH WITHIN JUNIOR RESEARCHER ACADEMY Grant JRA Involved level

### I. Evaluation of the description of current stage knowledge in the targeted field – maximum 30 points

The following aspect shall be assessed:

- candidate's ability to identify relevant sources of the literature (level, topicality and relevancy of publications to which the description of current stage refers to) – **maximum 15 points**
- ability to synthesize information collected from bibliographic sources – **maximum 15 points**

### II. Evaluation of the study design and of the research methodology – maximum 30 points

The following aspect shall be assessed:

- Explicit definition of the end goal – **maximum 5 points**
- Clarity and coherence of the description – **maximum 10 points**
- Consistency between the methodology of identification, selection and evaluation of literature and the objectives of the project – **maximum 10 points**
- Degree of topicality (the extent to which the proposed project involves an analysis of literature on an issue with current research potential) – **maximum 5 points**

### III. Evaluation of the predicted impact of the proposed direction of research – maximum 20 points

The following aspect shall be assessed:

- The importance of the problem approached by the direction of the proposed research – **maximum 10 points**
- Practical applicability aspect, the way in which the proposed research direction can materialise in the future – **maximum 10 points**

### IV. Evaluation of use of resources – maximum 20 points

The following aspect shall be assessed:

- How suitable are the proposed resources in relation to the objectives of the project? - **maximum 10 points**
- Suitable dimensioning of budget headings and the degree of detailing of estimated expenses – **maximum 10 points**



INTERNAL COMPETITION FOR SCIENTIFIC RESEARCH GRANTS WITHIN JUNIOR RESEARCHER ACADEMY – EDITION 20...

GRANT APPLICATION FOR **SCIENTIFIC RESEARCH** GRANTS WITHIN JUNIOR RESEARCHER  
ACADEMY

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**PROJECT TEMPLATE - FOR SCIENTIFIC RESEARCH GRANTS**

**1. Personal identification data of the beneficiary of the proposed grant**

1.1. Name	
1.2. Surname	
1.3. Date of birth (DD/MM/YYYY)	
1.4. Faculty/Master program	
1.5. Year of study	
1.6. Address	
1.7. Phone no.	
1.8. E-mail	

**2. Project title (max. 15 words)**

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**3. Keywords (max. 5)**

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**4. Project duration (max. 24 months)** \_\_\_\_\_

**5. Project summary (max. 250 words)**

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**6. Current state of knowledge in the field at national and international level, according to the latest references in the literature (maximum 1 page)**

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**7. Objectives and research activities of the proposed research/innovation project**

<b>Objectives (Objective name)</b>	<b>Associated activities *</b>
1.	1.
	2.
	3.
2.	1.
	2.
	3.
3.	1.
	2.
	3.
...	1.
	2.
	3.

\* Research activities, corresponding to the scientific objectives, delimit the phases / stages of achieving the objective. Each objective corresponds to one or more activities / deliverables.



**Gantt chart**

Work package/Activity	Year Quarter							
	1	2	3	4	5	6	7	8

**8. Potential impact of the results of the proposed research/innovation project, described both at the current stage and at possible future development stages of the proposed research/innovation direction (maximum 1/2 page)**



**9. Presentation of the infrastructure / equipment within UMFST G.E. Palade Tg. Mureș that is to be used in the project. (maximum ½ page)**

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**10. Risks associated with the pilot project (maximum ½ page)**

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**11. Justification of the requested budget (Details of what is to be purchased and of any mobility planned to be carried out)**

Budget chapter / line	Justification	Estimated cost (in lei)
<b>LOGISTICS EXPENSES</b>		
.....		
.....		
<b>Total logistics expenses</b>		
<b>MOBILITY EXPENSES</b>		
.....		
.....		
<b>Total mobility expenses</b>		
<b>OVERHEAD (10% of the TOTAL BUDGET)</b>		
<b>TOTAL ESTIMATED BUDGET</b>		



12. **Scientific background of the mentor of the applicant:** briefly present the mentor's scientific activity that is specifically relevant to the project; provide three references to published articles that are most relevant in this context; provide references to previous relevant research projects if available (maximum ½ page)

13. **Scientific background of the applicant:** briefly present the applicant's scientific activity that is specifically relevant to the project; provide at least one and maximum three references to published articles that are most relevant in this context; provide references to previous relevant research projects if available (maximum ½ page)

#### 14. Bibliography

.....

Date \_\_\_\_\_

Candidate's signature \_\_\_\_\_

Project tutor,

Function, Name, First Name,

\_\_\_\_\_

Signature \_\_\_\_\_



## GRANT APPLICATION FOR **SCIENTIFIC RESEARCH GRANTS** WITHIN JUNIOR RESEARCHER ACADEMY **Grant JRA Dedicated level**

### **I. Evaluation of the description of current stage knowledge in the targeted field – maximum 10 points**

The following aspect shall be assessed:

- candidate's ability to identify relevant sources of the literature (level, topicality and relevancy of publications to which the description of current stage refers to) – **maximum 5 points**
- ability to synthesize information collected from bibliographic sources – **maximum 5 points**

### **II. Evaluation of the study design and of the research methodology – maximum 20 points**

The following aspect shall be evaluated:

- Explicit definition of the end goal – **maximum 3 points**
- Clarity and coherence of the description – **maximum 5 points**
- Concordance between the chosen research/innovation methodology and the project objectives: appropriate description of the project objectives and activities, with details of the proposed methodology/technique, specifying the deliverables associated with each stage (will be discouraged a general format such as: documentation, model establishment, the study development, communicating the results, etc.) – **maximum 10 points**
- The degree of interdisciplinarity (the extent to which the project proposal involves methodologies from different disciplines, the clinical – laboratory/experimental, medical-technological-informatics connection) – **maximum 2 points**

### **III. Evaluation of the predicted impact of the proposed direction of research/innovation – maximum 20 points**

The following aspect shall be assessed:

- Importance of the problem that the proposed research direction of the project addresses – **maximum 5 points**
- Insofar to which the project contributes to the development of knowledge in the field - **maximum 5 points**
- Degree of novelty and complexity of the proposed solutions - **maximum 5 points**
- Practical applicability aspect, the way in which the proposed research direction can materialise in the future – **maximum 5 points**

### **IV. Evaluation of risks and assessed address issues related to research ethics – maximum 10 points**

The following aspect shall be assessed:

- Identification of the risks associated with the project implementation; how appropriate are the proposed methods for approach these risks - **maximum 5 points**
- The way of description and approach to ethical issues - **maximum 5 points**



## V. Evaluation of use of resources – maximum 15 points

The following aspect shall be assessed:

- How suitable are the proposed resources in relation to the objectives of the project? - **maximum 5 points**
- Suitable dimensioning of budget headings and the degree of detailing of the estimated expenses – **maximum 10 points**

## VI. Evaluation of scientific competence of the applicant's mentor - maximum 10 points

The following aspects will be assessed:

- The quality of the mentor's research results, as a result in the list of relevant publications. Will be focused on the contributions as lead author in the project field - **maximum 5 points**
- The mentor's ability to participate in research projects, as reflected in the list of research projects carried until to present, relevant for the topic of the proposed project. Will be focused put on won projects in national/international competitions, carried out as project leader, in the field of the present project - **maximum 5 points**

## VII. Evaluation of the applicant's scientific competence – maximum 15 points

The following aspects will be evaluated:

- The quality of the applicant's research results, as shown in the list of relevant publications – **maximum 5 points**
- The applicant's ability to participate in research projects, as shown by the list of research projects carried until to present, relevant for the topic of the proposed project - **maximum 5 points**
- Mobility carried out at universities/research institutions abroad, at least 14 days, for the purpose of carrying out research activities, in the field of the theme proposed by the project - **maximum 5 points**



Annex 05: UMFST-REG-106-F03-Ed.02

## DECLARATION OF NON-FINANCING FROM OTHER SOURCES

The undersigned ....., as beneficiary of the grant I hereby declare on my own responsibility that the activities and works of the project titled:

“.....  
.....”, submitted within the Internal competition for granting financing in the scope of implementing initiation grants in scientific research/scientific research grants within **Junior Researcher Academy** edition ....., organised by George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, **are not and have not been financed form other sources,**

**DATE:**

**Signature:**



Annex 06: UMFST-REG-106-F04-Ed.02

## DECLARATION REGARDING THE LEGALITY AND ACCURACY OF INFORMATION

The undersigned ....., as beneficiary of the grant with the title:

“ .....

.....”, submitted within the Internal competition for granting financing in the scope of implementing initiation grants in scientific research/scientific research grants within **Junior Researcher Academy** edition ....., organised by George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, I hereby certify on my own responsibility the legality and accuracy of the information included in the application for financing.

**DATE:**

**Signature:**