

## FORM FOR EMPLOYERS

INSTITUTION: Lukaszewicz Research Network – Institute of Ceramics and Building Materials (Lukasiewicz-ICiMB), Ceramic and Concrete Division in Warsaw, Department of Biomaterials

CITY: Warsaw

POSITION: Leader of the Research Group in the project - as a Leader of the Area (Research division)

DISCIPLINE: Materials Engineering, Chemical Engineering, Chemical Technology (according to the previous classification)

POSTED: 14 August 2019

EXPIRES: 13 September 2019

WEBSITE: <http://www.icimb.pl/bip/>

KEY WORDS: Lukaszewicz, Leader of the Research Group in the project, Leader of the Area, Materials Engineering, Chemical Engineering, Chemical Technology

DESCRIPTION (field, expectations, comments)

**Job offer for the project: „Multifunctional composites biologically active for applications in regenerative medicine of bone system” led by Prof. dr hab. Andrzej Trochimczuk. Project is carried out within the TEAM NET programme of the Foundation for Polish Science.**

The aim of the project is to develop new polymer-ceramic composite biomaterials designed for applications in bone regenerative medicine. As part of cooperation of all research teams, porous implants for bone tissue regeneration and bone stabilizing implants covered with innovative coating materials will be developed.

We offer:

- Opportunity for self-improvement and self-development in young and experienced scientific team
- Opportunity to create and run your own research group in an exciting scientific field in a prestigious scientific project.
- Possibility to carry out research in an interdisciplinary consortium in the LUKASIEWICZ Research Network - Institute of Ceramics and Building Materials in Warsaw, in cooperation with the University of Lodz, the Cracow University of Technology and the Wroclaw University of Technology.
- Financing the remuneration of members of the research group recruited in the competition procedure, including minimum 3 young doctors, experienced staff with a PhD (2) and technical staff (2) for the duration of the project (up to 36 months).

### I. Profile of candidates/requirements:

1. PhD degree in technical or chemical sciences in the field of: Materials science or Chemical engineering, Chemical technology or related technologies
2. Documented experience in managing research projects in the field of biomaterials
3. Knowledge of English in speech and writing (minimum B2)

4. Scientific achievements (including publications on topics compatible with the subject of the project, in which he is the first or correspondent author) on an international scale. Expected Hirsh index min. 5
5. Experience in the synthesis of ceramic particles, in the work with biodegradable polymers and polymer / ceramic composites
6. Experience in the development, production and characterization of biomaterials
7. Knowledge of the procedure of placing medical devices on the market will be additionally rewarded
8. A minimum of one six-month internship abroad (in a country other than the country of origin)
9. Documented experience in managing the research group
10. Experience in the implementation of interdisciplinary projects
11. Documented knowledge of project management methodology, eg Prince 2, Agile, Scrum, 6 Sigma or equivalent will be additionally rewarded

## **II. Required documents:**

1. CV with a list of published articles, max. 3 A4 pages,
2. Min. one, but no more than 5 attachments enabling evaluation of scientific and implementing achievements from the last 10 years (manuscripts texts, patent applications, patent implementations)
3. A description of innovative character of above achievements and their influence on the development of science fields and a description of results and achievements of the last project (max. 1 A4 page)
4. A proposition of presumptions and scientific methods, which will be a subject of R+D works of scientific group under the leadership of an applicant including (if applicable) foreign partners scientific within the project (max. 4 A4 page)
5. Copy of the document stating the obtaining of the doctoral degree
6. List of publications of last 10 years.
7. Documents confirming the completion of scientific internships

## **III. Personality traits**

Dutifulness, well organized, kindness, teamwork

## **IV. Key responsibilities**

1. Supervision and efficient running of the project at the place of its implementation, with particular emphasis on responsibility for its substantive and formal aspects.
2. Adherence to the Organizational Regulations of LRN - ICiMB and other procedures binding at the Institute, in particular the rules of health and safety, directives of the Director and the company's secret
3. Performing tasks entrusted by the Employer

### **Research tasks:**

1. Creation and management of a research group
2. Implementation of Team-Net project research agenda in the part provided for Lukaszewicz-ICiMB, in particular:
  - Development of synthesis methods and preparation of calcium phosphates in fibrous form

- Full characteristics of the obtained fibers
- Preparation of composite polymer foams using PLLA and Ca-P particles obtained
- Characteristics of the obtained composites (including strength, structural and thermal tests, degradation)
- Elaboration of the procedure and launch of the service of testing the microstructure of ceramic micro-and nanofibers, using the SEM and STEM techniques

#### **V. Working conditions**

1. Workplace: Lukaszewicz Research Network – Institute of Ceramics and Building Materials (Lukasiewicz-ICiMB), Ceramic and Concrete Division in Warsaw, Department of Biomaterials, Postępu 9, 02-676 Warsaw, Poland
2. Job type (employment contract): Contract of employment (0.75 FTE - Leader of the Research Group in the project / 0.25 FTE - work as a Leader of the Area
3. Remuneration/month: PLN 15 000 gross (~ PLN 9 000 net) - min. 9 years after the doctorate + salary as a Leader of the area in LUKASIEWICZ Research Network – Institute of Ceramics and Building Materials (Lukasiewicz-ICiMB)
4. Position starts on: September – December 2019
5. Maximum period of contract: 36 months

#### **VI. Deadline and form of submitting documents:**

Please submit required documents by e-mail: sekretariat\_warszawa@icimb.pl - in the title of the message, please add "Group Leader application". **Applications should be sent within a deadline of 13 September 2019 at 23:59**

The following clause should be attached to the application:

"I consent to the processing of my personal data by the Lukaszewicz Research Network - Institute of Ceramics and Building Materials for recruitment in accordance with art.6 par.1 lit.a Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 2016. on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 / EC (General Data Protection Regulation)" and declare that I have read the information clause available at: [www.icimb.pl/o-instytucie/polityka-prywatnosci/obowiazek-informacyjny](http://www.icimb.pl/o-instytucie/polityka-prywatnosci/obowiazek-informacyjny)

#### **VII. Deadline for the recruitment process: until 20 September 2019**

**VIII.** Employment will take place on the day the decision is made by the Institute Director or the Branch Director in accordance with the authorization of the Institute Director.

#### **IX. Recruitment of candidates for vacancies is open and competitive.**

Recruitment will include two phases:

1. Application submission

## 2. An interview with selected Candidates

Applications of candidates will be considered by the Scientific and Economic Committee of the TEAM-NET project.

The participants of the recruitment process have the right to appeal within 7 days of receipt of feedback from the Scientific and Economic Committee (SEC) or the recruitment commission. In response to the appeal, will be set up an appeal committee, whose opinion is necessary when approving the recruitment protocols by the Foundation of Polish Science

### **X.** The vacancy notice is available to:

- in the Public Information Bulletin on the website of the Institute of Lukasiewicz Network,
- in the Public Information Bulletin on the website of the Minister of Science and Higher Education,
- on the European Commission's website on the European portal for mobile researchers.

### **XI.** Information about candidates who have applied for recruitment constitutes public information to the extent covered by the requirements set out in the vacancy notice..

### **XII.** Information on the result of recruitment for the above position will be published on the Public Information Bulletin on the website of the Lukasiewicz-ICiMB.