



## NOTICE

### BASIC INFORMATION

Position available within the research project entitled: "Enlightening the dark: microbial diversity and functionality in sapropels from Romanian salt lakes (ERebuS)", project number PN-III-P4-ID-PCE-2016-0303, Contract no. 103/2017

**Title\*:** *SCIENTIFIC RESEARCHER*

**Offer Description\*:** Competencies and practical skills in solid-state NMR analysis of polymers, and in Raman and SERS optical spectroscopy.

#### Researcher Profiles \*:

- |   |   |
|---|---|
| <input type="checkbox"/> First Stage Researcher (R1)            | <input type="checkbox"/> Recognised Researcher (R2) |
| <input checked="" type="checkbox"/> Established Researcher (R3) | <input type="checkbox"/> Leading Researcher (R4)    |

**Research field \*:**

**Type of Contract\*:**

**Job Status \*:**

**Hours Per Week\*:** 2

**Application Deadline \*:** 31.08.2018

**Envisaged Job Starting Date:** 01.10.2018

**Is the job funded through a EU Research Framework Programme? \***

**Is the Job related to staff position within a [Research Infrastructure](#)? (se bifează opțiunea)**

**How to Apply \*:**

**Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)**

## HIRING INFO & WORK LOCATION

**Number of positions available\*:** 1

**Company/Institute\*:** Faculty of Biology and Geology

**Department\*:** Molecular Biology and Biotechnology

## REQUIREMENTS

**Required Education Level** (se completează unul sau mai multe câmpuri, după caz)

**Main Research Field\*:** Physics

**Level\*:** PhD or equivalent

**Main Research Field\*:** Please Select

**Level\*:** Please Select

**Skills/Qualifications:** Experience in solid-state NMR spectroscopy, Raman and SERS spectroscopy.

**Specific Requirements:** Study / placement/ research mobility abroad with a minimum duration of 36 months; A minimum of 4 years of experience as team member or main coordinator in research projects; At least 15 publications in peer-reviewed ISI journals throughout entire career and at least 2 peer-review (ISI) publications as main author in the last 5 years in the field of NMR and Raman/SERS spectroscopy.

**Required Languages** (se completează unul sau mai multe câmpuri, după caz)

**Language \*** ENGLISH

**Level\*** Good

**Language \*** Please Select

**Level\*** Please Select

**Required Research Experience** (se completează unul sau mai multe câmpuri, după caz)

**Research Field \*** Physics

**Years of Research Experience \*** More than 10

Research Field \*

Years of Research Experience \*

#### **ADDITIONAL INFO**

**Website for additional job details:** *(câmp opțional)*

**Benefits:** *(câmp opțional)*

**Eligibility criteria:** *Only candidates fulfilling the following criteria will be considered: BSc, MSc and PhD in Physics; study / placement/ research mobility abroad with a minimum duration of 36 months; A minimum of 4 years of experience as team member or main coordinator in research projects; At least 15 publications in peer-reviewed ISI journals throughout entire career and at least 2 peer-review (ISI) publications as main author in the last 5 years in the field of NMR and Raman/SERS spectroscopy.*

**Selection process:** *analysis of CV and additional documents proving the required skills and experience. The selected candidates will be invited for interview.*

**Additional comments:** *Applicants should send their CV and scanned copies of documents proving their research expertise by e-mail to the Project's manager: [horia.banciu@ubbcluj.ro](mailto:horia.banciu@ubbcluj.ro)*

*Research and subresearch fields*

**Agricultural Sciences**

Agricultural products  
Agronomics  
Enology  
Forest sciences  
Other  
Phytotechny  
Soil science  
Temperate agriculture  
Tropical agriculture  
Zootechnics

**Anthropology**

Communication  
anthropology  
Cultural anthropology  
Ethnology  
Medical anthropology  
Other  
Physical anthropology  
Social anthropology

**Architecture**

Design  
Landscape architecture  
Naval architecture  
Other

**Arts**

Arts management  
Fashion studies  
Fine arts  
Handicrafts  
Other  
Performing arts  
Visual arts

**Astronomy**

Astrophysics  
Cosmology  
Other  
**Biological sciences**  
Biodiversity  
Biological engineering  
Biology  
Botany  
Laboratory animal science  
Nutritional sciences  
Other  
Zoology

**Chemistry**

Analytical chemistry  
Applied chemistry  
Biochemistry  
Combinatorial chemistry  
Computational chemistry  
Heterogeneous catalysis  
Homogeneous catalysis  
Inorganic chemistry  
Instrumental analysis  
Instrumental techniques  
Molecular chemistry  
Organic chemistry  
Other  
Physical chemistry  
Reaction mechanisms and  
dynamics  
Solar chemistry  
Structural chemistry

**Communication sciences**

Audiovisual communication  
Business communication  
Editing  
Graphic communication  
Journalism

Media studies  
On-line information services  
Other  
Public relations  
Publishing  
Science communication  
Speech communication

**Computer science**

3 D modelling  
Autonomic computing  
Computer architecture  
Computer hardware  
Computer systems  
Cybernetics  
Database management  
Digital systems  
Informatics  
Modelling tools  
Other  
Programming  
Systems design

**Criminology**

**Cultural studies**

African studies  
American studies  
Ancient studies  
Anglo Saxon studies  
Arabic studies  
Asian studies  
Byzantine studies  
Coptic studies  
Eskimo studies  
European studies  
Islamic studies  
Jewish studies  
Middle Ages studies

Middle East studies  
Oriental studies  
Other  
Regional studies  
Renaissance studies  
Russian studies  
Third world studies

### **Demography**

### **Economics**

Administrative sciences  
Agricultural economics  
Applied economics  
Banking  
Business economics  
Cadastral survey  
Commercial economics  
Construction economics  
Consumer economics  
Cyclical economics  
Econometrics  
Economic policy  
Economic systems  
Economic theory  
Economics of development  
Environmental economics  
Financial science  
Fishery economy  
Food economics  
Health economics  
Home economics  
Industrial economics  
International economics  
Knowledge economy  
Labour economics  
Labour market economics  
Land economy  
Local public economics  
Macroeconomics  
Management studies  
Marketing  
Microeconomics  
Other  
Political economy

Production economics  
Social economics  
Tourism studies  
Transport economics  
Valuation  
Veterinary economics

### **Educational sciences**

Education  
Learning studies  
Other  
Research methodology  
Teaching methods

### **Engineering**

Aerospace engineering  
Agricultural engineering  
Biomaterial engineering  
Biomedical engineering  
Chemical engineering  
Civil engineering  
Communication engineering  
Computer engineering  
Control engineering  
Design engineering  
Electrical engineering  
Electronic engineering  
Geological engineering  
Industrial engineering  
Knowledge engineering  
Maritime engineering  
Materials engineering  
Mechanical engineering  
Microengineering  
Nuclear engineering  
Other  
Precision engineering  
Process engineering  
Project engineering  
Simulation engineering  
Sound engineering  
Surveying  
Systems engineering  
Thermal engineering

Water resources engineering

### **Environmental science**

Earth science  
Ecology  
Global change  
Natural resources  
management  
Other  
Water science

### **Ethics in health sciences**

### **Ethics in natural sciences**

### **Ethics in physical sciences**

### **Ethics in social sciences**

### **Geography**

Cartography  
Economic geography  
Geopolitics  
Historical geography  
Human geography  
Other  
Regional geography  
Social geography

### **Geosciences**

Geology  
Hydrology  
Other

### **History**

Ancient history  
Archaeology  
Art history  
Church history  
Contemporary history  
Economic history  
Genealogy  
Heraldry  
History of agriculture  
History of design

History of law  
History of performance  
History of philosophy  
History of religions  
History of science  
History of social sciences  
Local history  
Medieval history  
Modern history  
Music history  
Numismatics  
Other  
Paleography  
Political history  
Prehistory  
Sigillography  
Social history

#### **Information science**

Archivistics  
Diplomatics  
Documentation  
Information management  
Library science  
Other

#### **Juridical sciences**

Agrarian law  
Canon law  
Comparative law  
Criminal law  
Environmental law  
European law  
Finance law  
Fiscal law  
Health law  
Informatic law  
International law  
Judicial law  
Juvenile law  
Labour law  
Media law  
Medical law  
Other

Private law  
Public law  
Roman law  
Social law  
Transportation law

#### **Language sciences**

Languages  
Linguistics  
Other  
Philology

#### **Literature**

African literature  
American literature  
Asian literature  
Austronesian literature  
Comparative literature  
European literature  
Greek literature  
Hamito-semitic literature  
Literary criticism  
Other  
Writing

#### **Technology**

Biotechnology  
Chemical technology  
Energy technology  
Environmental technology  
Future technology  
Electrical technology  
Dating techniques  
Communication technology  
Computer technology  
Construction technology  
Graphic techniques  
High vacuum technology  
Space technology  
Standardisation of technologies  
Telecommunications technology  
Sound technology

Safety technology  
Production technology  
Quantum technology  
Remote sensing  
Transport technology  
Vacuum technology  
Water technology  
Pharmaceutical technology  
Other  
Knowledge technology  
Laboratory technology  
Marine technology  
Internet technology  
Interface technology  
Industrial technology  
Information technology  
Instrumentation technology  
Materials technology  
Measurement technology  
Nanotechnology  
Nuclear technology  
Optronics  
Mining  
Military technology  
Medical technology  
Micro-technology

#### **Religious sciences**

Biblical studies  
Church studies  
Comparative religion  
Non-Christian religions  
Theology  
Other  
Pastoral studies

#### **Sociology**

Sociology of religion  
Urban sociology  
Sociology of labour  
Sociology of enterprise  
Social shaping of technology  
Societal behaviour  
Socio-economic research

Social changes  
Rural sociology  
Educational sociology  
Macrosociology  
Other

### **Psychological sciences**

Psychology  
Psychoanalytic studies  
Behavioural sciences  
Cognitive science  
Other

### **Neurosciences**

Neurology  
Neurophysiology  
Neuropsychology  
Neuroinformatics  
Neurochemistry  
Neurobiology  
Other

### **Pharmacological sciences**

Clinical pharmacology  
Cosmetology  
Pharmacognosy  
Pharmacy  
Toxicology  
Veterinary pharmacology  
Other

### **Mathematics**

Combinatorial analysis

Computational mathematics  
Discrete mathematics  
Chaos theory  
Applied mathematics  
Algebra  
Algorithms  
Geometry  
Mathematical analysis  
Statistics  
Probability theory  
Other  
Mathematical logic  
Number theory

### **Philosophy**

Ethics  
Metaphysics  
Epistemology  
Aesthetics  
Other  
Logic  
Philosophical anthropology  
Phenomenology  
Philosophy of law  
Philosophy of science  
Semiotics  
Systematic philosophy

### **Medical sciences**

Veterinary medicine  
Other  
Medicine

### **Political sciences**

Science and society  
Policy studies  
Public awareness of science  
Public policy  
Other  
Governance

### **Physics**

Other  
Quantum mechanics  
Relativity  
Solid state physics  
Optics  
Neutron physics  
Electronics  
Mathematical physics  
Metrology  
Statics  
Statistical physics  
Surface physics  
Thermodynamics  
Electromagnetism  
Condensed matter properties  
Acoustics  
Classical mechanics  
Computational physics  
Chemical physics  
Biophysics  
Applied physics