



NOTICE

BASIC INFORMATION

Position available within the research project entitled: "Biomaterials with magnetic nanoparticles for both therapy and MRI contrast enhancement. From synthesis and structural characterization, to in vitro and in vivo assessment", project number 99/2017

Title*: *Research assistant (Postdoctoral researcher)*

Offer Description*: As researcher you are an ambitious and enthusiastic team player, devoted to research in the broadly field of magnetic resonance in general. Your research will focus on relaxation phenomena of the MRI contrast agent materials. Candidates should have a PhD degree Physics or a relevant related field. The willingness to explore new fields in collaboration with others, are all essential competences. International experience, as well some experience in project management is required.

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*: 40

Application Deadline *: 29.12.2017

Envisaged Job Starting Date: TBD - ASAP

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

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

How to Apply *:

Internal Application form needed (.pdf files)

HIRING INFO & WORK LOCATION

Number of positions available*: 1

Company/Institute*: *Babeş-Bolyai University Cluj-Napoca*

Department*: *ICI - BNS*

REQUIREMENTS

Required Education Level

Main Research Field*:

Level*:

Main Research Field*:

Level*:

Skills/Qualifications:

Specific Requirements:

Required Languages

Language *

Level*

Language *

Level*

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

Research Field *

Years of Research Experience *

Research Field *

Years of Research Experience *

ADDITIONAL INFO

Website for additional job details:

Benefits:

Eligibility criteria:

Selection process:

Additional comments:

*Research and subresearch fields***Agricultural Sciences**

1. Agricultural products
2. Agronomics
3. Enology
4. Forest sciences
5. Other
6. Phytotechny
7. Soil science
8. Temperate agriculture
9. Tropical agriculture
10. Zootechnics

Anthropology

1. Communication anthropology
2. Cultural anthropology
3. Ethnology
4. Medical anthropology
5. Other
6. Physical anthropology
7. Social anthropology

Architecture

1. Design
2. Landscape architecture
3. Naval architecture
4. Other

Arts

1. Arts management
2. Fashion studies
3. Fine arts
4. Handicrafts

5. Other
6. Performing arts
7. Visual arts

Astronomy

1. Astrophysics
2. Cosmology
3. Other
4. **Biological sciences**
5. Biodiversity
6. Biological engineering
7. Biology
8. Botany
9. Laboratory animal science
10. Nutritional sciences
11. Other
12. Zoology

Chemistry

1. Analytical chemistry
2. Applied chemistry
3. Biochemistry
4. Combinatorial chemistry
5. Computational chemistry
6. Heterogeneous catalysis
7. Homogeneous catalysis
8. Inorganic chemistry
9. Instrumental analysis
10. Instrumental techniques
11. Molecular chemistry
12. Organic chemistry

13. Other
14. Physical chemistry
15. Reaction mechanisms and dynamics
16. Solar chemistry
17. Structural chemistry

Communication sciences

1. Audiovisual communication
2. Business communication
3. Editing
4. Graphic communication
5. Journalism
6. Media studies
7. On-line information services
8. Other
9. Public relations
10. Publishing
11. Science communication
12. Speech communication

Computer science

1. 3 D modelling
2. Autonomic computing
3. Computer architecture
4. Computer hardware
5. Computer systems
6. Cybernetics
7. Database management

8. Digital systems
9. Informatics
10. Modelling tools
11. Other
12. Programming
13. Systems design

Criminology

Cultural studies

1. African studies
2. American studies
3. Ancient studies
4. Anglo Saxon studies
5. Arabic studies
6. Asian studies
7. Byzantine studies
8. Coptic studies
9. Eskimo studies
10. European studies
11. Islamic studies
12. Jewish studies
13. Middle Ages studies
14. Middle East studies
15. Oriental studies
16. Other
17. Regional studies
18. Renaissance studies
19. Russian studies
20. Third world studies

Demography

Economics

1. Administrative sciences
2. Agricultural economics
3. Applied economics
4. Banking
5. Business economics
6. Cadastral survey
7. Commercial economics

8. Construction economics
9. Consumer economics
10. Cyclical economics
11. Econometrics
12. Economic policy
13. Economic systems
14. Economic theory
15. Economics of development
16. Environmental economics
17. Financial science
18. Fishery economy
19. Food economics
20. Health economics
21. Home economics
22. Industrial economics
23. International economics
24. Knowledge economy
25. Labour economics
26. Labour market economics
27. Land economy
28. Local public economics
29. Macroeconomics
30. Management studies
31. Marketing
32. Microeconomics
33. Other
34. Political economy
35. Production economics
36. Social economics
37. Tourism studies
38. Transport economics
39. Valuation
40. Veterinary economics

Educational sciences

1. Education
2. Learning studies
3. Other
4. Research methodology
5. Teaching methods

Engineering

1. Aerospace engineering
2. Agricultural engineering
3. Biomaterial engineering
4. Biomedical engineering
5. Chemical engineering
6. Civil engineering
7. Communication engineering
8. Computer engineering
9. Control engineering
10. Design engineering
11. Electrical engineering
12. Electronic engineering
13. Geological engineering
14. Industrial engineering
15. Knowledge engineering
16. Maritime engineering
17. Materials engineering
18. Mechanical engineering
19. Microengineering
20. Nuclear engineering
21. Other

22. Precision engineering
23. Process engineering
24. Project engineering
25. Simulation engineering
26. Sound engineering
27. Surveying
28. Systems engineering
29. Thermal engineering
30. Water resources engineering

Environmental science

1. Earth science
2. Ecology
3. Global change
4. Natural resources management
5. Other
6. Water science

Ethics in health sciences

Ethics in natural sciences

Ethics in physical sciences

Ethics in social sciences

Geography

1. Cartography
2. Economic geography
3. Geopolitics
4. Historical geography
5. Human geography
6. Other
7. Regional geography
8. Social geography

Geosciences

1. Geology
2. Hydrology
3. Other

History

1. Ancient history
2. Archaeology
3. Art history
4. Church history
5. Contemporary history
6. Economic history
7. Genealogy
8. Heraldry
9. History of agriculture
10. History of design
11. History of law
12. History of performance
13. History of philosophy
14. History of religions
15. History of science
16. History of social sciences
17. Local history
18. Medieval history
19. Modern history
20. Music history
21. Numismatics
22. Other
23. Paleography
24. Political history
25. Prehistory
26. Sigillography
27. Social history

Information science

1. Archivistics
2. Diplomats
3. Documentation
4. Information management
5. Library science
6. Other

Juridical sciences

1. Agrarian law
2. Canon law

3. Comparative law
4. Criminal law
5. Environmental law
6. European law
7. Finance law
8. Fiscal law
9. Health law
10. Informatic law
11. International law
12. Judicial law
13. Juvenile law
14. Labour law
15. Media law
16. Medical law
17. Other
18. Private law
19. Public law
20. Roman law
21. Social law
22. Transportation law

Language sciences

1. Languages
2. Linguistics
3. Other
4. Philology

Literature

1. African literature
2. American literature
3. Asian literature
4. Austronesian literature
5. Comparative literature
6. European literature
7. Greek literature
8. Hamito-semitic literature
9. Literary criticism
10. Other
11. Writing

Technology

1. Biotechnology
2. Chemical technology
3. Energy technology
4. Environmental technology
5. Future technology
6. Electrical technology
7. Dating techniques
8. Communication technology
9. Computer technology
10. Construction technology
11. Graphic techniques
12. High vacuum technology
13. Space technology
14. Standardisation of technologies
15. Telecommunications technology
16. Sound technology
17. Safety technology
18. Production technology
19. Quantum technology
20. Remote sensing
21. Transport technology
22. Vacuum technology
23. Water technology
24. Pharmaceutical technology
25. Other
26. Knowledge technology
27. Laboratory technology
28. Marine technology
29. Internet technology
30. Interface technology
31. Industrial technology
32. Information technology

33. Instrumentation technology
34. Materials technology
35. Measurement technology
36. Nanotechnology
37. Nuclear technology
38. Optronics
39. Mining
40. Military technology
41. Medical technology
42. Micro-technology

Religious sciences

1. Biblical studies
2. Church studies
3. Comparative religion
4. Non-Christian religions
5. Theology
6. Other
7. Pastoral studies

Sociology

1. Sociology of religion
2. Urban sociology
3. Sociology of labour
4. Sociology of enterprise
5. Social shaping of technology
6. Societal behaviour
7. Socio-economic research
8. Social changes
9. Rural sociology
10. Educational sociology
11. Macrosociology
12. Other

Psychological sciences

1. Psychology

2. Psychoanalytic studies
3. Behavioural sciences
4. Cognitive science
5. Other

Neurosciences

1. Neurology
2. Neurophysiology
3. Neuropsychology
4. Neuroinformatics
5. Neurochemistry
6. Neurobiology
7. Other

Pharmacological sciences

1. Clinical pharmacology
2. Cosmetology
3. Pharmacognosy
4. Pharmacy
5. Toxicology
6. Veterinary pharmacology
7. Other

Mathematics

1. Combinatorial analysis
2. Computational mathematics
3. Discrete mathematics
4. Chaos theory
5. Applied mathematics
6. Algebra
7. Algorithms
8. Geometry
9. Mathematical analysis
10. Statistics
11. Probability theory
12. Other

13. Mathematical logic
14. Number theory

Philosophy

1. Ethics
2. Metaphysics
3. Epistemology
4. Aesthetics
5. Other
6. Logic
7. Philosophical anthropology
8. Phenomenology
9. Philosophy of law
10. Philosophy of science
11. Semiotics
12. Systematic philosophy

Medical sciences

1. Veterinary medicine
2. Other
3. Medicine

Political sciences

1. Science and society
2. Policy studies
3. Public awareness of science
4. Public policy
5. Other
6. Governance

Physics

1. Other
2. Quantum mechanics
3. Relativity
4. Solid state physics
5. Optics
6. Neutron physics
7. Electronics

8. Mathematical physics
9. Metrology
10. Statics
11. Statistical physics
12. Surface physics
13. Thermodynamics
14. Electromagnetism
15. Condensed matter properties
16. Acoustics
17. Classical mechanics
18. Computational physics
19. Chemical physics
20. Biophysics
21. Applied physics