**Postdoctoral Fellows in bioceramics and tissue engineering, Korea institute of Materials Science**

Employer: Korea Institute of Materials Science

Location: Changwon, Korea

Job type: Contract (annual basis, max. 5years)

Category: Postdoc/Graduate Assistant position of:

Ceramics/Bioceramics/ Biomaterials/ Tissue engineering/3D printing (systems&materials)

Deadline: Open until filled

**Description & Requirement**

1. Job title: Post-doc or graduate assistant position in Korea Institute of Materials Science (KIMS)

2. Representative background for research:

* To develop a new 3D printing technology for 3-D scaffolds composed of ceramic or organic/inorganic composite materials using low-temperature heat treated bio-ceramics
* To develop and design a new concept of 3-D scaffolds which fit into transplanted region by controlling structure, physical property and biodegradability of scaffolds
* To develop technology for hard tissue regeneration with 3-D scaffolds seeded with stem cells or regeneration-inducing factors
* To develop a bone substitutes for osteoporotic patients
* To gain biological and immunological safety and good reproducibility of materials
* To develop a new ceramic printing technology for structural- and/or functional ceramics

3. Related majors:

: A postdoctoral position is available immediately for a talented and highly motivated individual to work on the development of new functional bio-ceramic 3D scaffold for bone tissue regeneration. The research area is described below (not required whole items below).

* Bioceramics synthesis
* Ceramic process
* Bone cement
* Design of 3D scaffold
* 3D printing technique
* Cell biology
* Tissue engineering

\* The appointment-beginning immediately- will be renewable on an annual basis and is anticipated up to 5 years for their achievement.

\* Major criteria for post-doc selection

* How many impacted SCI papers have been published as a first author in recent years.
* Paper writing and oral communication skills in English for publication the paper and presenting in international conferences.
* Material scientists, who are skilled cell biology and/or tissue engineering, are preferred.

4. Salary and incentives

* Minimum of 1 year contract
* Will be discussed during the interview

5. How to apply

: Send the CV (pdf files) to Dr. Huisuk Yun

\* For the details about the institute, see [www.kims.re.kr](http://www.kims.re.kr) .

Possible candidate will be contacted personally by Dr. H.S. Yun\* for interview.

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