



अहमदाबाद  
AHMEDABAD

**National Institute of Pharmaceutical Education and Research- Ahmedabad**  
(Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)  
Palaj, Opposite Air Force Station, Gandhinagar-382355, Gujarat, India

Advt. No: NIPER-A/03/05/2017

Date: 01-06-2017

### RECRUITMENT OF JRF INDST-SERBPROJECT

Applications are invited from eligible candidates for temporary **Junior Research Fellow (JRF)** position in the three different projects funded by Department of Science and Technology (DST) – Science and Engineering Research Board (SERB). The position is **temporary** and the offer will be initially for a period of **ONE Year** that can be extended further based on the performance and will be co terminus with the project. If the candidate also fulfils the institute criteria, admission in Ph.D through NIPER entrance may be considered. The requisite qualification & experience etc. for each project are given below.

<b>Position 1</b>	JRF (one post only)
<b>Project Title</b>	<b>Bio-engineered three-dimensional stem cell niche for intervertebral disc repair and regeneration</b>
<b>Principle investigator (PI)</b>	Dr. Akshay Srivastava Assistant Professor (Medical Devices) Email: <a href="mailto:akshay.srivastava@niperahm.ac.in">akshay.srivastava@niperahm.ac.in</a> <a href="mailto:axay80@gmail.com">axay80@gmail.com</a>
<b>Qualification and Experience required</b>	M.Sc./M.S/M.Tech in Bioengineering/Biotechnology / Biomedical Engineering/Biochemistry/Pharmacy/chemistry  Work experience in polymer fabrication, polymer-protein or polymer-carbohydrate bioconjugation, cell culture techniques, immunohistochemistry, flow cytometry, molecular biology and <i>in vivo</i> rat-tail model is preferred.  NET/GATE/GPAT qualified candidates will be given preference.
<b>Job Profile</b>	In this project, primary focus is to a) Fabricate biofunctional hydrogel b) Isolate specific annulus fibrosus stem cells c) Developing <i>in vitro</i> hydrogel niche for annulus fibrosus stem cell growth and function
<b>Fellowship</b>	Rs.25,000+20% HRA per month

<b>Position 2</b>	JRF (one post only)
<b>Project Title</b>	<b>Dissecting Brain Reward Circuitry and CNS Comorbidities in Chronic Neuropathic Pain</b>
<b>Principle Investigator (PI)</b>	Dr. Vinod Tiwari Assistant Professor (Pharmacology & Toxicology) Email: <a href="mailto:vinodtiwari1980@gmail.com">vinodtiwari1980@gmail.com</a> <a href="mailto:tiwari.vinod@niperahm.ac.in">tiwari.vinod@niperahm.ac.in</a>

<b>Qualification</b>	M.S Pharm/M.Pharm/M.Sc. in Pharmacology& Toxicology or Biotechnology  Work experience in <i>in-vivo</i> model of pain and neuroscience along with molecular biology techniques is desirable.  NET/GATE/GPAT qualified candidates will be given preference. Highly motivated candidates are encouraged to apply.
<b>JobProfile</b>	In this project, selected candidate will be working on: 1) <i>In-vitro</i> and <i>in-vivo</i> models of pain and neuroscience in rodents. 2) Small animal surgeries (nerve injury and brain cannulation) 3) Molecular biology techniques including western blotting, immunohistochemistry, RTPCR, cell culture etc. 4) Data entry and analysis using appropriate softwares such as excel, sigma stat etc 5) Writing manuscripts and presenting data in conferences
<b>Fellowship</b>	Rs.25,000+20% HRA per month

<b>Position 3</b>	JRF (one post only)
<b>ProjectTitle</b>	<b>Aptamer targeted dendronized polymeric nanoparticles to deliver Anti-miRNA for treatment of Triple Negative Breast Cancer</b>
<b>Principle Investigator (PI)</b>	Dr Rakesh K. Tekade Email: <a href="mailto:rakeshtekade@gmail.com">rakeshtekade@gmail.com</a> <a href="mailto:rakeshtekade@niperahm.ac.in">rakeshtekade@niperahm.ac.in</a>
<b>Qualification</b>	M.Pharm/M.S/M.Tech in Pharmaceutics, Pharmaceutical Technology.  Work experience in novel drug delivery systems, polymer fabrication, polymer-bioconjugation, cell culture techniques, molecular biology techniques is desirable  NET/GATE/GPAT qualified candidates will be given preference.
<b>JobProfile</b>	The selected candidate will be working on project objectives not limited to: 1. Formulation development and characterization of DNA/microRNA/oligonucleotide loaded polymeric nanoparticles 2. Polymer bioconjugation 3. Evaluation of cellular binding, endosomal escape tendency 4. Stability, Cytotoxicity assay and transfection studies 5. Establishment of xenograft tumor mouse model 6. Evaluation of gene silencing and anticancer activity 7. Evaluation of organ toxicity
<b>Fellowship</b>	Rs.25,000+20% HRA per month

Interested candidates should apply online on or before **15<sup>th</sup> June, 2017**. The shortlisted candidates will be intimated by email. Tentative date of interview: **27<sup>th</sup> June 2017**.

[Click to Apply Online](#)

**Application Instructions:**

- Original certificates and self-attested copies of all certificates need to be presented before the interview for verification.
- No TA/DA will be paid for attending the interview.
- Canvassing in any form will lead to disqualification of candidature.
- Application should be strictly according to the attached format.
- Last date for receiving of application is 15<sup>th</sup> June,2017.

Director