Center for Informatics

Post-doctoral positions available

The Center for Informatics in the School of Natural Sciences at Shiv Nadar University, India, has several postdoctoral positions available in computational materials design and network analysis. The Center for Informatics includes active programmes in Bioinformatics and Cheminformatics, Computational Nanoscience and Materials Design. The current research projects of the Center for Informatics focus on:

a) electronic and optical properties of nanoparticles and low-dimensional materials,

b) promising materials for batteries, solar and other energy applications and reactions,

c) nanoparticles in biological systems,

d) network analysis and modeling in chemical, biological and biochemical spaces,

e) applications of Machine learning to cheminformatics & bioinformatics.

Shiv Nadar University offers candidates the opportunity to work in a dynamic and highly interdisciplinary environment. For more information about the Center for Informatics and our programmes, please visit http://snu.edu.in/centres/centre_for_informatics.aspx

Essential Qualifications (for positions a-c): Ph.D. in Physics, Chemistry or Material Science, Experience in densityfunctional-theory and molecular dynamics based codes.

Desired expertise (for positions a-b): Experience in the field of graphene, quantum dots, clusters, conjugated polymers, batteries.

Desired expertise (for positions c-d): Experience in computational materials science/solid state physics/quantum chemistry/computational bio-physics/biochemistry.

Essential Qualifications (for position d): Ph.D. in Mathematics, Chemistry or Physics with competence in:

1. Python, Java, C/C++ (essential)

2. Network theory (essential)

3. Game theory (desirable)

Desired expertise (for position e): Strong computational and programming skills with a proven record of publications in cheminformatics or bioinformatics.

To apply, send your CV and 2-3 letters of reference to: rupa.goswami@snu.edu.in

Shiv Nadar University (www.snu.edu.in) is an international multi-disciplinary, research-led university located in Greater Noida in India's National Capital Region. SNU is a private philanthropic institution established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh. The University's mission is to develop and educate the leaders of tomorrow; to support research, scholarly and creative endeavors that contribute to the creation of new knowledge; and to create research and

teaching programmes that tackle the most pressing problems of India and the global community. The University offers a full range of academic programmes at the undergraduate, post-graduate and doctoral level.

Computational facilities at the School of Natural Sciences include a high performance IBM cluster consisting of 32 compute nodes delivering 332.8 Giga flops with each node and a theoretical peak performance of 10.649 TF over all compute nodes. There are also nodes with GPU processors.

Shiv Nadar University does not discriminate on the basis of race, caste, gender, religious affiliation or citizenship. The positions are available immediately, but starting dates are negotiable. Post-doctoral fellows receive a consolidated stipend, depending upon their qualifications and competitive with other research institutions, in accordance with the norms of the university. Interested candidates are requested to send their curriculum vitae and references to *rupa.goswami@snu.edu.in*