SYMBIOSIS CENTRE FOR MEDICAL IMAGE ANALYSIS

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A' grade (3.58/4) | Awarded Category – I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

SYMBIOSIS

Golden Jubilee
1971-2021

Celebrating 50 Years of Excellence

SCMIA/ADMIN/2022/29   Date: 01.09.2022

Postdoctoral Research Fellow (PDRF) positions
at Symbiosis International (Deemed University) Lavale, Pune.

The Symbiosis Centre for Medical Image Analysis (SCMIA) (https://scmia.edu.in/) at the Symbiosis International (Deemed) University invites applications for one Postdoctoral Research Fellow positions. This position is immediately available and are in support of two projects – one in the domain of neuroimaging and another in the domain of advanced computational imaging for medical image acquisition, analysis, and synthesis.

The center is one of a kind in India as it is focused on conducting translational research in medical imaging domain and has dedicated access to engineering (networking technologies, robotics etc.), computational (servers, GPU workstations etc.), and medical (MRI, CT imaging and data) facilities. The center is located between the engineering institute (Symbiosis Institute of Technology) and the Symbiosis University hospital and Research Center (SUHRC). The successful candidate must be highly motivated and goal-oriented and must have proven abilities to solve clinical image analysis problems.

We are looking for candidates who have a passion and translational expertise in one or more of the following areas: deep learning/machine learning for medical imaging; musculoskeletal imaging-based biomechanics; functional neuroimaging (fMRI); diffusion MRI; radiomics or radio-genomics; applied AI for medical image analysis; computational imaging; image guided medical robotics; and advanced medical imaging technologies. The responsibilities include developing and leading projects in medical imaging domain, publish scientific results in peer-reviewed journals, work closely with the faculty and research center staff for writing/submitting research proposals, data acquisition and analysis etc., mentor/supervise research activities for graduate and undergraduate students, and interact with stakeholders such as radiologists, oncologists, neurologists, surgeons, biostatisticians, other clinicians, and engineers.

Qualification: A Ph.D. (or ABD) in computer science, electronics and telecommunication, data sciences, mathematics, biomedical engineering etc. with experience in medical imaging and machine learning domains. At least two research papers with a respectable impact in the concerned research area and publication in journals indexed in SCI/SSCI/AHCI/ESCI/ WoS/Scopus.

Supervision: The appointees will be jointly supervised by Dr. Bhushan Borotikar. Head SCMIA

Salary: INR 630000 with 50000 contingency (per year).

Terms of Service: The appointees will be called as Postdoctoral Research Fellow (PDRF) and the initial award will be for **ONE** Year which can be extended for maximum of Two years. The extension after each year will be after thorough review of the candidate's performance.

How to apply: Interested candidates should submit the following application materials to Prof. Bhushan Borotikar by October 31st,2022 at: head@scmia.edu.in

1) A cover letter
2) A curriculum vita
3) A brief statement (3 pages max) of research experience and interests
4) PDF copies of three recent publications or writing samples
5) List of three professional references

Notes:

- These Fellowships are open for foreign nationals and overseas citizens of India too.
- A mere fulfilment of required minimum qualifications and experience does not entitle a candidate to be called for discussion.
- The foreign residents and overseas citizens of India can attend the interview via Zoom.
- The interviews for the Postdoctoral Fellows shall be conducted periodically in a calendar year.

Prof. Bhushan Borotikar
Head SCMIA