

X-Sieve: CMU Sieve 2.2
Resent-Date: Wed, 28 Sep 2005 08:57:44 -0500
Resent-To: Jeremy Bennett <jebennet@indiana.edu>
From: "MVR" <mv_rao@bellsouth.net>
Subject: computational biology position
Resent-From: Yves Brun <ybrun@indiana.edu>
Date: Wed, 14 Sep 2005 21:46:06 -0400
To: <ybrun@bio.indiana.edu>
X-Mailer: Apple Mail (2.623)

Dear Prof. Brun:

I am an experienced Computational biologist with several years of academic and industrial experience. After serving 5 years in the pharmaceutical industry, I am presently looking for suitable position in academic setting to perform in-depth research in computational system biology/functional-structural genomics. I have taken this opportunity to enclose a brief synopsis of my experience for your review and consideration.

I hold a Ph.D degree in Molecular Biophysics from Indian Institute of Science, Bangalore, India. After my PhD, I gained a rich experience in computational modeling of protein-protein and protein-ligand interactions in the Molecular Graphics Laboratory of Prof. Art Olson at The Scripps Research Institute, La Jolla.

My past industrial experience includes a computational scientist position at Glycodesign Inc, Toronto, and a senior research scientist position at Inflazyme Pharamaceuticals, Vancouver. I am presently working as a principal scientist in TransTech Pharma, High Point. I have been involved all these years in designing small molecule inhibitors using structure assisted drug design and structural/functional genomics.

Presently, my research concerns a rational drug design towards the G-protein coupled receptor targets/Cell surface immunoglobulin domain containing receptors that act at the central nervous system, and to rationally design small molecule drugs to treat Alzheimer, cancer and inflammation related diseases. Five US patents and two provincial patent applications have been filed based on my computational drug discovery work. I am a co-investigator in two SBIR funded projects.

I have enclosed further details of all my work in the attached resume.

I have a thorough knowledge of Molecular docking, and graphics and demonstrated experience in successfully predicting protein-protein and protein-ligand complexes. I have a vast knowledge in molecular modeling techniques as well as their application in biological systems. I am very interested in teaching computational biology/genomics.

Thank you for your time and consideration.

Sincerely,

Mohan Rao

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