

Position Wanted

This communiqué is to apply for a post of Post-Doctoral Research Fellow in laboratories around the USA and Europe. I am a research scholar on the verge of obtaining Ph.D. degree in Biochemistry from University of Calcutta under the guidance of Prof. Nripendranath Mandal, Division of Molecular Medicine, Bose Institute, Kolkata, India.

Ms. Usri Chakrabarty

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RESEARCH INTEREST

Different aspects of Molecular biology with special emphasis on development of diverse disease related biomarkers.

SUMMARY

- Dynamic research biologist with exposure in disease related pathogenesis along with development and characterisation of DNA markers related to disease.
- Hands-on experience on *in vivo* techniques.
- 5+ years of lab-based training in molecular biology and microbiology.
- Excellent organizational and communication skills.

SKILLS & EXPERTISE

- Trained in shrimp handling techniques to perform *in vivo* bioassay and challenge experiments for virus on shrimp.
- Extraction of nucleic acids including quality checking and quantifying those by gel electrophoresis and spectrophotometric analysis, primary cell culture and microscopy, PCR methodologies/analysis, including Real Time PCR.
- Transformation, Cloning and Plasmid extraction from bacteria cell.
- DNA sequencing and analysis of the sequences.
- IT skills, with employment of statistical methodologies using Excel, SPSS and Kyplot etc.
- Proficient in article publication in reputed journals and writing scientific reports to government funding agencies.
- Efficient in lab handling along with team organization. Management and budget-orientation of ongoing projects and training short-term students. Procurement and cataloguing of instruments and chemicals (including cryogenic and hazardous).

TITLE OF THESIS FOR Ph.D. IN BIOCHEMISTRY, CLCUTTA UNIVERSITY

Development and characterization of DNA markers to identify disease resistant population of *Penaeus monodon* for disease free shrimp aquaculture.

RESEARCH EXPERIENCES

Apr 2012 - Present Senior Research Fellow at Div. Mol. Med., Bose Institute, Kolkata, west Bengal.

Aug 2010 - Aug 2012 Worked as Junior Research Fellow at Div. Mol. Med., Bose Institute, in Ministry of Earth Sciences, India sanctioned project.

January 2008 M.Sc. project at Pulses and Oilseeds Research Station, Berhampore, Murshidabad, West Bengal, India.

PUBLICATIONS (http://www.researchgate.net/profile/Usri_Chakrabarty)

1. **Chakrabarty, U.**, Dutta, S., Mallik, A., Mandal, D. and Mandal, N. (2015) Identification and characterisation of microsatellite DNA markers in order to recognise the WSSV susceptible populations of marine Giant Black Tiger Shrimp, *Penaeus monodon*. Veterinary Research 46: 110. doi 10.1186/s13567-015-0248-2.

2. Dutta, S., **Chakrabarty, U.**, Mallik, A., and Mandal, N. (2015) White spot syndrome virus (WSSV) prevalence associated with disease resistance among wild populations of black tiger shrimp, *Penaeus monodon* (Fabricius). *Aquaculture Research* 46: 453–461.
3. **Chakrabarty, U.**, Dutta, S., Mallik, A. and Mandal, N. (2014) White spot syndrome virus (WSSV) and prevalence of disease resistance in a commercially cultured population of *Penaeus monodon* Fabricius, 1798 (Decapoda, Dendrobranchiata). *Crustaceana* 87 (14): 1593 – 1605.
4. **Chakrabarty, U.**”, Mallik, A.”, Mondal, D., Dutta, S. and Mandal, N. (2014) Assessment of WSSV prevalence and distribution of disease resistant shrimp among the wild population of *Penaeus monodon* along the West coast of India. *Journal of Invertebrate Pathology*, 119: 12-18.
5. Mallik, A.”, **Chakrabarty, U.**”, Dutta, S., Mondal, D. and Mandal, N. (2014) Study on the distribution of disease resistant shrimp identified by DNA markers in respect to WSSV infection in different seasons along the entire East coast of India aiming to prevent white spot disease in *Penaeus monodon*. *Transboundary and Emerging Diseases*, doi: 10.1111/tbed.12230
6. Dutta, S., Biswas, S., Mukherjee, K., **Chakrabarty, U.**, Mallik, A., and Mandal, N. (2014) Identification of RAPD-SCAR marker linked to white spot syndrome virus resistance in populations of giant black tiger shrimp, *Penaeus monodon* Fabricius. *Journal of Fish Diseases*. 37: 471–480.
7. Dutta, S.”, **Chakrabarty, U.**”, Mallik, A., and Mandal, N. (2013) Experimental evidence for WSSV susceptibility linked to a microsatellite DNA marker in Giant Black Tiger Shrimp, *Penaeus monodon* (Fabricius). *Journal of Fish Diseases* 36: 593–597.
8. **Chakrabarty, U.**, Mistri, K., Bhunia, C. K., Mukhopadhyay, A. and Biswas, A., 2008. Ecological relationship between *Rhizobium* and Wilt pathogen of Chickpea. *Pestology* XXXII, 8: 28-31

” Symbolises that authors have equal contribution

Referees-

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