

**SOUTHERN REGIONAL STATION  
NATIONAL DAIRY RESEARCH INSTITUTE  
(Indian Council of Agricultural Research)  
Adugodi, P.O., Bangalore 560 030**

No. F.SRS/60-7/Estt/RA/2001/11270-80

Dated: 23 February 2001

**CIRCULAR**

One post of Senior Research Associate (UR) and one post of Research Associate (UR) with the following qualifications are to be filled up under the Network Project entitled "R&D supports for process upgradation of indigenous milk products for industrial applications" being implemented at this Station.

**Senior Research Associate**

Pay Rs 10,500 (consolidate) + HRA (age limit 18–35 years relaxable to eligible categories)

*Qualifications:* Ph.D. in Dairy Technology or Dairy Chemistry.

**Research Associate**

Pay Rs 8,800 (consolidate) + HRA (age limit 18–32 years relaxable to eligible categories)

*Qualifications:* M.Sc. in Dairy Technology.

The appointment for the above posts is for a specific period and their services will automatically stand terminated with the termination of the project.

Interested candidates should apply on plain paper with their bio-data, work experience, etc., so as to reach Dr Satish Kulkarni, Senior Scientist and Principle Investigator at the above address so as to reach **within 30 days from the date of issue of this Circular**.

**Postdoctoral Research Associate Positions – Protein Folding Diseases**

Several positions are now open for studies on structural aspects of protein folding diseases in the labs of **Dr Ron Wetzel** at the University of Tennessee Medical Center at Knoxville. Our current focus is on two neurodegenerative diseases, **Alzheimer's Disease** and **Huntington's Disease**, both of which are associated with protein aggregation processes that are very likely critical parts of the disease mechanisms. The lab's special emphasis is on the structures, assembly mechanisms, and basis of toxicity of pathological protein aggregates. Ongoing projects include:

- Structure of A $\beta$  amyloid fibrils (see I. Kheterpal *et al.*, *Proc. Natl. Acad. Sci. USA*, **97**, 13597–13601 (2000)).
- Characterization of newly-isolated conformational, amyloid-specific monoclonal antibodies.
- Structures and assembly mechanisms of polyglutamine aggregates. Aggregation structure–function relationships.
- Inhibition of polyglutamine aggregation. Screening, combinatorial libraries, and rational design of inhibitors.
- Molecular mechanism of polyglutamine aggregate neurotoxicity.
- *In vitro* analysis of molecular chaperone interactions with polyglutamine sequences.

Ron Wetzel's lab (<http://utk-biogw.bio.utk.edu/bcmbdept.nsf>) and the lab of Dr Alan Solomon together constitute the **Center for Research and Treatment of Alzheimer's Disease and Amyloid-Related Disorders** in the **University of Tennessee Graduate School of Medicine**. This program consists of well-funded multi-disciplinary studies by over 20 scientists on the molecular pathogenesis, diagnosis and treatment of cerebral and systemic amyloidosis. The program will be expanding by adding up to a total of 10 additional researchers in a range of scientific disciplines, making the center of the largest efforts in the world in research on molecular aspects of amyloid diseases.

Candidates should have a Ph.D. in chemistry, biochemistry, biophysics, molecular biology, or a related discipline. Applications, including a statement of qualifications, CV, and the names and addresses of three references, should be forwarded to Dr Ron Wetzel, either C/o Department of Medicine R221, University of Tennessee Medical Center, 1924 Alcoa Highway, Knoxville TN 37920, USA, or by email to [rwetzel@wizard.hosp.utmck.edu](mailto:rwetzel@wizard.hosp.utmck.edu).