

lymphocytes. His other research interest lies in the area of immunology of tuberculosis. Basic aspects of the nature of immune response to *Mycobacterium tuberculosis* antigens and their derivatives are being studied.

Shaila, M. S., Indian Institute of Science, Bangalore



Her research is on the molecular biology of two important morbilliviruses, rinderpest virus (RPV) and Peste des petits ruminants virus (PPRV) which cause a devastating disease in large and small ruminants. The two surface glycoprotein genes of RPV are being studied in depth to understand structure-function relationships and to use them as subunit vaccines after expressing them in a eukaryotic expression vector. The transcription and replication complex is

being studied to understand the above processes. Employing cDNA probes for the N gene of the two viruses, the two viral diseases have been diagnosed to be present in South Indian sheep and the epidemiology at molecular level of the two viruses in small ruminants is being investigated.

Shyamasundar, R. K., Tata Institute of Fundamental Research, Bombay.



His main research interests are in the areas of Formal Software Specification, Semantics and Verification of Reactive Systems, Parallel Programming and Logic Programming. His main research contributions are in the areas of specification and verification of real-time distributed programs, termination of logic programs and languages for concurrency and real-time.

Subrahmanya, C. R., National Centre for Radio Astrophysics (TIFR), Pune.



He has made contributions in the area of Extragalactic Radio Sources and Observational Cosmology. He has also made contributions in the field of astronomical image reconstruction techniques. He used the 'positivity' of the brightness distribution over real sources in the sky to constrain the possible images—a technique that later found application in powerful imaging techniques developed at several observatories. His observations of a complete sample of radio sources, for which he had to develop special software to enable the Molonglo Synthesis Telescope to be used in the 'snap-shot' mode, played a significant role in the subsequent finding of a large number of radio galaxies at high redshifts.

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