Report of the Fellow who availed Fellowship/Training under Human Resource Development for Health Research.

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Leishmaniasis. Overall, the study indicated that Leishmania infection was associated with a significant upregulation of genes involved in biological pathways linked to the recruitment and activation of immune cells and to regulation of inflammatory responses. The study has provided data pivotal to better understanding pathogenesis of PKDL. The data will provide the scientific community with a solid infrastructure for developing new diagnostics, as also develop alternative treatment strategies that could assist aimed at breaking current programs transmission cycle of leishmaniases.

iii) Proposed utilization of the experience in the Parent Institute. (Please specify the project developed whether originally proposed/ new project): A publication is being prepared.

(iii)A global transcriptomic analysis of dermal lesions in patients with Indian Leishmaniasis (both visceral and Post Kala-azar Dermal Leishmaniasis) will be undertaken.

In collaboration with National Institute of Biomedical Genomics, Kalyani, a collaborative project proposal will be submitted shortly.

Signature of Fellow