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Completion Certificate for Dr. Amitabha Bhattacharjee

I hereby certify that Dr Amitabha Bhattacharjee has spent three months (from March 21 until June 10, 2016) in my laboratory working on the molecular characterization of the carbapenem-resistance mechanisms of Indian Enterobacterial isolates. The microbiology work had been initiated in Dr Bhattacharjee's lab in India, with antimicrobial susceptibility testing and whole genome DNA extraction. This latter served as starting material for the further studies. The experiments that were performed, included, standard end-point PCRs, electroporation of the DNA into *E. coli* TOP, Kiesel DNA extractions of *E. coli* electroporants, and whole genome sequencing using illumina Myseq technology. Among the 10 genomic DNA extracts, four were of great interest, since they contained NDM carbapenemase alleles known to display higher hydrolytic properties (NDM-4 and -7) and one isolate harboured in addition a rare inducible class A ESBL, named SFO-1. The data generated during these three months will be valorised through a publication in an international peer-reviewed journal.

Dr Amitabha Bhattacharjee's performance at the lab bench was efficient and productive. He was a pleasant and cooperative person who interacted very easily with others, be they fellow researchers or institute staff. There is no doubt in my mind whatsoever that Dr Amitabha Bhattacharjee is suited to an outstanding career and I have no reservations in providing the strongest possible recommendation.

Kremlin-Bicêtre, 12/6/2016



T Naas