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Patent Search

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Inventor

Name	Address	Country	Nationality
SHARMA, Tarun Kumar	Translational Health Science and Technology Institute, NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurugram Expressway, Faridabad - 121 001, Haryana, India	India	India
ANAND, Anjali	Translational Health Science and Technology Institute, NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurugram Expressway, Faridabad - 121 001, Haryana, India	India	India
DOLEY, Robin	Napaam, Tezpur, Sonitpur-784028, Assam, India	India	India

Applicant

Name	Address	Country	Nationality
Translational Health Science and Technology Institute	NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurugram Expressway, Faridabad - 121 001, Haryana, India	India	India
Tezpur University	Napaam, Tezpur, Sonitpur-784028, Assam, India	India	India

Abstract:

ABSTRACT APTAMERS AGAINST PHOSPHOLIPASE A2 IN SNAKE VENOM AND USES THEREOF The present invention provides DNA aptamers which bind with PLA2 present in the venom of venomous snake with high affinity and can be utilized to detect snakebite by a venomous snake using a rapid sensor platform. These aptamers can also be utilized to differentiate between snake bites of venomous and non-venomous snakes. Once, confirmed for snakebite by a venomous snake, the aptamers of the present invention can also be utilized to monitor effectiveness of treatment regimen opted for the victim. Aptamers of the present invention are broad spectrum as these are capable of binding to PLA2 present in the venom of four major venomous snake species, Krait, Cobra, Russell's and Saw-scaled viper.

Complete Specification

DESC:FORM 2
 THE PATENTS ACT, 1970
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 &
 THE PATENT RULE
 COMPLETE SPECIFICATION
 (Section 10, rule 13)

"APTAMERS AGAINST PHOSPHOLIPASE A2 IN SNAKE VENOM AND USES THEREOF"



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