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Education

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Research

Fibrinolytic factors are important in the control of fibrinolysis and many other biological processes and are used in the treatment of vascular thrombosis. Our research is focused on the study of the structure and function relationship of the thrombolytic agents, including tissue-type plasminogen activator, plasmin and streptokinase. We have prepared domains of plasmin and study their biological functions. We also cloned streptokinase gene and expressed it in E. Coli. Site-directed mutagenesis and truncated derivatives of streptokinase are also prepared and used to elucidate the mechanism of plasminogen activation by streptokinase and to improve the properties of streptokinase as a thrombolytic agent.