

## **Some Thoughts on the Development and Control of Hematopoietic Disorders**

Evans Afenya, Elmhurst College, Elmhurst, IL, USA, [evansa@elmhurst.edu](mailto:evansa@elmhurst.edu)

Some of the hematopoietic disorders are spotlighted. The normal hemopoietic state that precedes the development of the disorders is investigated through the introduction of possible candidate models of normal hemopoiesis. Abnormal hematopoiesis is then studied by exploring various candidate models that characterize and capture behavior in some disease situations. A number of approaches to controlling these disorders are then proposed by employing biomedically driven mathematical models that shed light on how current treatment strategies used in the clinic could be improved.