



生物信息学研究中心

Center of Bioinformatics

学术报告

题目： Dynamical Systems Analysis of Prostate Cancer

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摘要：

Prostate cancer is recently becoming a serious social problem. It is the secondly most common cancer in men. Although the incident rate of prostate cancer is not so high in Asian countries like China and Japan fortunately, its increasing rate is highest among cancers of the Japanese men. In this talk, I review our dynamical systems approach to prostate cancer and its therapy based on mathematical modeling.

References

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- (3) T. Shimada and K. Aihara: Mathematical Biosciences, Vol.214, No.1/2, pp.134-139 (2008).
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Kazuyuki Aihara received the B.E. degree in electrical engineering in 1977 and the Ph.D. degree in electronic engineering 1982 from the University of Tokyo, Tokyo, Japan. Currently, he is Professor in Institute of Industrial Science, Graduate School of Information Science and Technology, and Graduate School of Engineering, the University of Tokyo. His research interests include mathematical modeling of complex systems, parallel distributed processing with chaotic neural networks, and nonlinear time series analysis.