

Guest lecture

Characterization of Steroid Regulated Gene Expression; From Genome Wide to Real Time

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2.00 PM in BMB seminar room



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Abstract: Dr. Stavreva has made important discoveries on the dynamics of hormone action during the circadian cycle. With Stafford Lightman's group at the Univ. of Bristol, she showed that pulses of cortisol secretion from the adrenals during the daily cycle caused pulses of transcription, and resulted in pulse specific gene expression in target tissues. She also studied the long range looping interactions between glucocorticoid response elements and promoters, and discovered two kinds of response elements, persistent and transient. Most recently, she has developed systems to monitor single transcript production from single gene loci in living cells, and is using these approaches to study gene regulation in real time.

Host: Professor Susanne Mandrup, BMB, SDU.