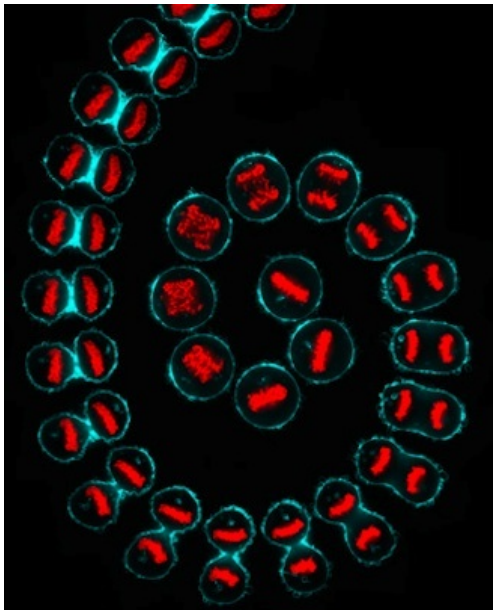
Invitation to Seminar (WS 2012/13)

Principles of Cancer Development:

Mechanisms and Mathematical Models



Objective

We are still lacking a principal understanding of the precise causes and consequences of critical events triggering the initiation and progression of cancer. Mathematics, especially statistical and mechanistic models, can provide essential insights into tumor dynamics. The main focus of the seminar is the introduction of mathematical models addressing key steps of cancer development such as signaling, differentiation and growth. By means of talks, discussions, and computer simulations, key questions and mathematical models will be introduced. The full program results from the kickoff meeting.

The seminar is intended for undergraduate and graduate students in mathematics, biology, medicine, or computer science who are interested in this highly interdisciplinary research area.

Time and location

The seminar will take place on 4 **Wednesday** afternoons **15.00-18.00**:
November 28, December 12, January 16 and January 30
Location: **INF-3110**, Computer Science Dept. of TU Dresden at **Nöthnitzer Str. 46**

Kickoff meeting and distribution of talks

October 22 (Monday!), **14.00-15.00**, INF-1096

Organizers

Tyll Krüger, Katrin Böttger, Alvaro Köhn-Luque, Andreas Deutsch, ZIH, TU Dresden
Andreas Beyer, BIOTEC,TU Dresden
Barbara Klink, Khalil Abouelaradat, Institut für Klinische Genetik, TU Dresden

Seminar website

www.tu-dresden.de/die_tu_dresden/zentrale_einrichtungen/zih/lehre/bio/ws1213_sem

Contact

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