

INVITATION TO SEMINAR (SS 2012)
BIOLOGY AND MATHEMATICS OF BRAIN TUMOURS



OBJECTIVE

We are still lacking a principal understanding of the precise causes and consequences of critical events triggering the initiation and progression of cancer. In the case of malignant brain tumours mathematics, especially statistical and mechanistic models, can provide essential insights into brain tumour dynamics. The main focus of the seminar is the introduction of mathematical models addressing these questions by means of talks, discussions, and computer simulations. The seminar consists of four parts: "tumourigenesis & progression", „molecular signalling“, „invasion“, „prognosis & new therapies“. 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 **Monday** afternoons **13.00-16.00**:

May 14, May 21, June 11 and June 25

Location: **INF-1096**, Computer Science Dept. of TU Dresden at **Nöthnitzer Str. 46**

KICKOFF MEETING AND DISTRIBUTION OF TALKS

April 16, 14.00-15.00, INF-1096

ORGANIZERS

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Andreas Beyer, BIOTEC, TU Dresden
Barbara Klink, Institut für Klinische Genetik, TU Dresden

SEMINAR WEBSITE

http://www.tu-dresden.de/zih/lehre/bio/ss12_sem

CONTACT

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