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Toward an Ising Model of Cancer and Beyond

Salvatore Torquato

(Submitted on 29 Oct 2010 (v1), last revised 2 Nov 2010 (this version, v2))

Theoretical and computational tools that can be used in the clinic to predict

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progression
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propose
individualized
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treatment
strategies
to
control
cancer
growth is
desired.
To
develop
such a
predictive
model,
one
must
account
for the
complex
mechanisms
involved
in tumor
growth.
Here we
review
resarch
work that
we have
done
toward
the
development

of an
"Ising
model"
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