

**cell kinetic response of an experimental tumour to irradiation** - cell kinetic response of an experimental tumour to irradiation 407 tumour. from the slopes of the mitotic accumulation lines following vincristine, the ... **mechanisms of tumour development - iarc** - mechanisms of tumour development ... likewise, in experimental animals, ... from non-genetic processes including the i. **simulation in cell populations kinetics - springer** - i. simulation in cell populations kinetics ... of the processes of ... a population of solid tumour cells. comparison with experimental data revealed ... **lung tumour growth kinetics in spc-c-raf-1-bb transgenic ...** - lung tumour growth kinetics using a semiautomated region ... processes and a time-course ... rodt et al. journal of experimental & clinical cancer ... **classical mathematical models for description and ...** - classical mathematical models for description and prediction of experimental ... of complex biological processes, ... kinetics has been an object of ... **chemical-kinetics model for the growth of a multicellular ...** - chemical-kinetics model for the growth ... characteristic features of the experimental results are ... the relationship of the body parts of processes ... **dna viruses and brain tumours - cell** - the study of oncogenic processes, because ... experimental neurogenic tumours ... radiotherapy, tumour growth kinetics etc. 9. **kinetic model for dose equivalent - an efficient way to ...** - kinetic model for dose equivalent ... predict systems response of irradiated cells ... of tumour cells for models dedicated to the in vivo tumour dynamics. **journal of engineering physics and thermophysics, vol. 68 ...** - journal of engineering physics and thermophysics ... perfusion in normal and tumour tissues under ... nonisothermal processes. if the kinetics of the ... **biophysical models of tumour growth** - kinetics, modulated by the ... a brief presentation of this experimental background, ... 2.2. contribution of active biophysical processes to tumour growth: ... **change of optical properties of hair cells during ...** - the results of experimental ... hair at different stages of malignant tumour ... letuta, and v. s. maryakhina, the delayed fluorescence kinetics as ... **suppl. iv, tumour responses vitro capacity** - the processes ... used to measure proliferation kinetics in tumour cell subpopulations using 3h-tdr ... ciencies for cells from some experimental **mathematical modelling of the spatio-temporal response of ...** - mathematical modelling of the spatio-temporal response of cytotoxic t ... both of these experimental systems mimic the tumour ... analysis of processes in the tumour ... **arxiv:1407.0865v1 [q-bio] 3 jul 2014** - available experimental data and support the hypothesis that slow-cycling sub-populations of tumour ... most biological processes ... in the cell-cycle kinetics and ... **breast cancer: modelling and detection - university of oxford** - huge proliferation of experimental data and clinical ... involving many inter-related processes. solid tumour ... actual in vivo tumour specimens, possess growth kinetics **a novel individual cell based mathematical model based ...** - model based on multicellular tumour ... is governed by two inseparable processes: ... intercellular diffusion and intracellular retention kinetics of doxorubicin in ... **a mathematical analysis of a model for tumour angiogenesis** - a mathematical analysis of a model for ... lar contributions to the model of the two independent processes ... 2.1 tumour angiogenesis factor from experimental work ... **modelling the genesis and treatment of cancer: the ...** - role of physiologically based pharmacodynamics 5 ... in the tumour compartment enables to link kinetics and ... tumour bearing animals in the experimental ... **research open access towards an integrated systems-based ...** - it provides an in silico experimental platform to investigate ... tumour growth characteristic or tumour death kinetics [23-25 ... between the different processes ... **minireview role of osteopontin in tumour progression** - processes of tumorigenicity and metastasis. ... kinetics in both wt and opn / mice. ... including tumour type and experimental **multiscale modelling and nonlinear simulation of vascular ...** - multiscale modelling and nonlinear simulation of vascular tumour ... inter-related processes across ... actual in vivo tumour specimens, possess growth kinetics **towards whole-organ modelling of tumour growth** - towards whole-organ modelling of tumour growth ... cycle kinetics ... results can reproduce experimental observations on solid tumour implants in the cornea of **metronomic scheduling: the future of chemotherapy?** - processes of tumour formation

and growth eg ... kinetics, angiogenic, ... recent experimental studies have shown a **hybrid mathematical model of solid tumour invasion: the ...** - a hybrid mathematical model of solid tumour ... much of the experimental data that exist on the growth kinetics of ... create individuals and the cell processes to be ... **6 the tissue kinetics of cell loss - springer** - 6 the tissue kinetics of cell loss ... and experimental tumours (steel, 1967, ... processes are age-dependent in that they occur at a specific point in the cell ... **applications of mechanistic modelling to clinical and ...** - 2018 british society for immunology, clinical and experimental immunology, 193: 284-292 **centrale bh3uotheek - nki** - tumour cell kinetics . 53 . ... and genetic factors in tumourduction, experimental chemo ... carcinogens contributes to our understanding of processes at . **predictive pharmacokinetic-pharmacodynamic modeling of ...** - predictive pharmacokinetic-pharmacodynamic modeling of tumor growth ... the experimental data, ... anistic description of the underlying physiological processes. **multiscale modelling of cancer progression and treatment ...** - cies.1,2 several recent experimental ... geneity is the intracellular perturbations in biochemical kinetics and heterogeneity in the tumour ... biological processes. **the universal dynamics of tumor growth - cell** - 2948 biophysical journal volume 85 november 2003 2948-2961 the universal dynamics of tumor growth antonio bruña,\*, sonia albertos,y jose luis subiza,z jose lo ... **imaging in the era of molecular oncology** - imaging systems enable doctors to see where a tumour is located in the ... what are the kinetics and flux rates of such net- ... experimental design. **mathematical modeling of tumor growth reference list** - mathematical modeling of tumor growth reference list ... and experimental ... r. wette, i.n. katz and e.y. rodin, stochastic processes for solid tumor kinetics i ... **a model of tumor growth based on cell cycle kinetics** - a model of tumor growth based on cell cycle kinetics ... available experimental or clinical data, ... this definition is expanded to include subcellular processes that **modelling in biology - imperial college london** - modelling in biology v 8.4 contents ... didier, and kaufman, marcelle, chemical and enzyme kinetics, ... models need not match experimental data to be useful. **mathematical modelling of avascular-tumour growth - ulisboa** - mathematical modelling of avascular-tumour growth ... with experimental data. ... by these processes produces movement of the cells. **mathematical modelling of tumour angiogenesis and the ...** - agreement with the experimental observations ... mathematical modelling of the complex processes involved in tumour ... michaelis-menten kinetics ... **s100a4 and its role in metastasis - computational ...** - straightforward integration of experimental information where the lack of ... regulatory processes.16-19 in the absence of ... tumour heterogeneity plays a crucial ... **current pharmaceutical design, 2014, 20, 000-000 1 ...** - current pharmaceutical design, 2014, 20, 000-000 ... dynamic biological processes has a ... growth and treatment current pharmaceutical design, 2014 ... **larry norton - president-elect of asco** - his experimental and theoretical research on the kinetics of tumour growth ... changes over time of these processes, you miss the heart **experimental studies on electromagnetic fields effects on ...** - experimental studies on electromagnetic fields effects ... human prostate non-tumour (pnt1a) and tumour ... acetylcholinesterase activity and kinetics 61 **the multi-step nature of carcinogenesis and the ...** - int. j. radiat. biol1998,vol.73,no.4,373-376 the multi-step nature of carcinogenesis and the implications for risk analysis rx abstract. the central estimates of ... **review article - kurimsoto-u** - processes that occur in human tumours and to predict optimal treatment plans for the individual patient. ... computer models can be used to simulate tumour cell **4 radiobiology of brachytherapy and the dose-rate effect** - a number of biological processes take place during irradiation ... experimental and clinical studies have shown ... every tumour of clinically detectable size ... **scheidegger s., fuchslin r.m. (2011): proc. of asim 2011 ...** - characterised by a network of interacting processes at different ... are used to fit experimental data of the clonogenic ... of tumour cells for models dedicated ... **multicellular spheroids as an in vitro model in ...** - in vitro model in experimental oncology: applications in translational medicine ... porting studies on such tumour specific processes such as angiogenesis, inva- **mechanisms of anticancer drugs - semantic scholar** - mechanisms of anticancer drugs ... and focus on mechanisms of action of current and experimental drugs. ... principles of tumour biology cellular kinetics **understanding systems and molecular mechanisms underlying ...** - in order to understand these dynamic processes during anti-tumour immune ...

