1. Record Nr.   UNINA9910148948403321

   Autore   O'Brian Patrick <1914-2000>

   Titolo   HMS Surprise

   Pubbl/distr/stampa   HarperCollins UK

   ISBN   0-00-721735-8

   Disciplina   823.9/14

   Lingua di pubblicazione   Inglese

   Formato   Musica

   Livello bibliografico   Monografia

   Sommario/riassunto   How far will a man go in the name of revenge, honour, love or simple survival?Far from familiar seas, Captain Jack Aubrey and his crew must test themselves to the very limits of human endurance.Following a daring rescue, Jack Aubrey accepts a new command and a new commission to a far-flung destination. Ahead of him and his crew are the new sights and smells of the Indian subcontinent, and the terrifying hazards of an archipelago of islands in the East Indies, where their French enemies have near overwhelming superiority.'Combines adventure and the art of the novel with an astonishing finesse.'FRANCIS SPUFFORD'Few, very few, books have made my heart thump with excitement. HMS Surprise managed it.'HELEN LUCY BURKE, Irish Times

2. Record Nr.	UNINA9910337938503321
Autore	Schiesser W. E.
Titolo	Spatiotemporal Modeling of Cancer Immunotherapy : Partial Differential Equation Analysis in R / / by William E. Schiesser
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-19080-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (116 pages) : illustrations
Disciplina	515.353
Soggetti	Biomedical engineering
	Mathematical models
	Cancer - Research
	R (Computer program language)
	Biomedical Engineering/Biotechnology
	Mathematical Modeling and Industrial Mathematics
	Cancer Research
	Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Fixed Boundary PDE Model Formulation -- Fixed Boundary PDE Model Implementation -- Fixed Boundary PDE Model Output -- Moving Boundary PDE Model Implementation -- Moving Boundary PDE Model Output -- Index.
Sommario/riassunto	The focus of this book is a detailed discussion of a dual cancer vaccine (CV)-immune checkpoint inhibitor (ICI) mathematical model formulated as a system of partial differential equations (PDEs) defining the spatiotemporal distribution of cells and biochemicals during tumor growth. A computer implementation of the model is discussed in detail for the quantitative evaluation of CV-ICI therapy. The coding (programming) consists of a series of routines in R, a quality, open-source scientific computing system that is readily available from the internet. The routines are based on the method of lines (MOL), a general PDE algorithm that can be executed on modest computers within the basic R system. The reader can download and use the

routines to confirm the model solutions reported in the book, then experiment with the model by varying the parameters and modifying/extending the equations, and even studying alternative models with the PDE methodology demonstrated by the CV-ICI model. Spatiotemporal Modeling of Cancer Immunotherapy: Partial Differential Equation Analysis in R facilitates the use of the model, and more generally, computer- based analysis of cancer immunotherapy mathematical models, as a step toward the development and quantitative evaluation of the immunotherapy approach to the treatment of cancer.