

VU Research Portal

Radiosensitizing and synergistic targeted therapies for glioblastoma

Narayan, R.S.

2018

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Narayan, R. S. (2018). *Radiosensitizing and synergistic targeted therapies for glioblastoma*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

TABLE OF CONTENT

Chapter 1	Glioblastoma: general features <i>Submitted to Drug Resistance Updates</i>	7
Chapter 2	Targeting the Akt-pathway to Improve Radiosensitivity in Glioblastoma <i>Curr Pharm Des. 2013;19(5):951-7. Review.</i>	29
Chapter 3	The allosteric AKT inhibitor MK2206 shows a synergistic interaction with chemotherapy and radiotherapy in glioblastoma spheroid cultures <i>BMC Cancer. 2017 Mar 21;17(1):204.</i>	45
Chapter 4	Identification of MEK162 as a radiosensitizer for the treatment of glioblastoma <i>Mol Cancer Ther. 2018 Feb;17(2):347-354.</i>	63
Chapter 5	Manipulation of the mTOR and autophagic pathways in glioma cells <i>In preparation</i>	83
Chapter 6	Dual TORC1/2 and MEK inhibition in BRAF mutated glioma cells <i>In preparation</i>	99
Chapter 7	A cancer drug-atlas enables prediction of parallel drug vulnerabilities <i>Submitted to Cancer Cell</i>	119
Chapter 8	Summary and Discussion	145
Addendum	Nederlandse Samenvatting	158
	Curriculum Vitae	162
	List of Publications	163
	Dankwoord Acknowledgements	164