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Identification of novel targets in prostate cancer progression

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Citation

Ghotra, V. P. S. (2013, December 19). *Identification of novel targets in prostate cancer progression*. Retrieved from <https://hdl.handle.net/1887/22947>

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Title: Identification of novel targets in prostate cancer progression

Issue Date: 2013-12-19

ABBREVIATIONS

AR	Androgen receptor
DHT	Dihydrotestosterone
PSA	Prostate specific antigen
AIPC	Androgen independent prostate cancer
3D	Three dimensional
CS	Cell spheroids
ECM	Extracellular matrix
2D	Two dimensional
ZF	Zebrafish
MCD	Mean cumulative distance
RT	Radiotherapy

LIST OF PUBLICATIONS

Ghotra VPS, Puigvert JC, Danen EH. The cancer stem cell microenvironment and anti-cancer therapy. *Int J Radiat Biol.* 2009 Nov;85(11):955-62.

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Ghotra VPS, He S, Van der horst G, Nijhoff S, de Bont H, Lekkerkerker A, Janssen R, Jenster G, Leenders G.J.H.L. van, Hoogland AM, Baranski Z, Van de water B, Van der Pluijm G, Snaar-Jagalska BE, Danen EH. siRNA screen identifies SYK as a candidate player in prostate cancer progression. *Submitted*

Ghotra VPS, He S, Van der horst G, Nijhoff S, de Bont H, Baranski Z, Jenster G, Van de water B, Van der Pluijm G, Snaar-Jagalska BE, Danen EH. MST1R supports prostate cancer invasion, dissemination, and formation of bone metastases. *Submitted*

CURRICULUM VITAE

Veerander PS Ghotra was born on December 12, 1979 in Mukerian, India. After completing the pre-university education, he started his bachelor studies in medicine and surgery at the government medical college Patiala (India) in 1998, from which he graduated in 2004. In 2006 he began a research master in oncology offered by the Vrije University in Amsterdam. This master program exposed him to the exciting challenges in the field of oncological research. To gain further expertise in this area, he started his PhD studies in the division of toxicology in 2008 under supervision of Dr. Erik Danen. The aim of his project described in this thesis, was to develop novel models to study tumor progression and to identify novel candidate metastasis genes that could serve as novel potential drug targets for treatment of prostate cancer. Veerander is highly interested in understanding the dynamics of the prostate cancer metastatic cascade, ranging from local invasion to metastatic colonization. Since September 2012, he is doing Master in medicine at the university of Maastricht. His ambition is to become an expert in the field of urological oncology, and to translate scientific knowledge for the benefit of prostate cancer patients.