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## Modulation of the TRAIL apoptotic pathway to optimize chemoradiation in preclinical models of cervical cancer

Tan, Shinta

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**Modulation of the TRAIL  
Apoptotic Pathway to Optimize  
Chemoradiation in Preclinical  
Models of Cervical Cancer**

**SHINTA TAN**

The triskele, or triple spiral, is a traditional (pre-)Celtic symbol. It is used to represent a range of triplicities in their belief systems; quiet often it functions as a representation of the Mother Goddess. I chose the triskele to signify the cervical cancer patients, for whose benefit this study was set in the first place.

Shinta Tan

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Dissertation University of Groningen, the Netherlands

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# **Modulation of the TRAIL Apoptotic Pathway to Optimize Chemoradiation in Preclinical Models of Cervical Cancer**

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ter verkrijging van het doctoraat in de  
Medische Wetenschappen  
aan de Rijksuniversiteit Groningen  
op gezag van de  
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om 11.00 uur

**door**

Shinta Tan  
geboren op 30 januari 1979  
te Jakarta, Indonesië

**Promotores** : Prof. dr. S. de Jong  
Prof. dr. E.G.E. de Vries  
Prof. dr. A.G.J. van der Zee

**Beoordelingscommissie :** Prof. dr. H. Hollema  
Prof. dr. H.W. Nijman  
Prof. dr. J.A. Langendijk

*To my parents, especially to the memory of my beloved mother*

*I am sure to become old; I cannot avoid ageing*

*I am sure to become ill; I cannot avoid illness*

*I am sure to die; I cannot avoid death*

*I must be separated and parted from all that is dear and beloved to me*

*I am the owner of my actions, heir of my actions, actions are the womb (from which I have sprung), actions are my relations, actions are my protection. Whatever actions I do,  
good or bad,  
of these I shall become their heir*

*Upajjhatthana Sutta: Subjects for Contemplation (AN 5.57),  
translated from the Pali by Nyanaponika Thera and Bhikkhu Bodhi*

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