

**Probing the Redox and Photophysical Properties of Ru(II)-Pt(II)
Supramolecular Complexes as Efficient Photodynamic Therapy Agents**

by

Samantha Lake Hopkins Higgins

Dissertation submitted to the faculty of the Virginia Polytechnic Institute and State
University in

partial fulfillment of the requirements for the degree of

Doctor of Philosophy

In

Chemistry

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February 16, 2012

Blacksburg, VA

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and DNA



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