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## **Design, synthesis, characterization and biological studies of ruthenium and gold compounds with anticancer properties**

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### **Citation**

Garza-Ortiz, A. (2008, November 25). *Design, synthesis, characterization and biological studies of ruthenium and gold compounds with anticancer properties*. Retrieved from <https://hdl.handle.net/1887/13280>

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**Note:** To cite this publication please use the final published version (if applicable).

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# Curriculum Vitae

The author was born in Mexico, city, Mexico, March 16<sup>th</sup>, 1974. She graduated from Cervantes High School, received her Bachelor degree from the Universidad Nacional Autónoma de Mexico (UNAM), in October 1999, as Pharmacobiology Chemist and from the Universidad Autonoma Metropolitana (UAM-I), in May 2002, as Industrial Biochemistry Engineer with first class honours.

She was awarded the CONACyT (Consejo Nacional de Ciencia y Tecnologia) fellowship in 1999, in order to continue her Master in Science degree studies in the field of Coordination Chemistry with the thesis "New evidence in the chemical and biological reactivity of ruthenium red and their analogues compounds" and she obtained her degree in September 2002 with first class honours.

She was also granted the CONACyT fellowship to continue with her PhD studies from July 2003 till July 2007, so from July 2003 to November 2008, she joined the Coordination and Bioinorganic Chemistry group in the Leiden Institute of Chemistry at Leiden University as a PhD student. The PhD research projects described in this thesis have been directed and supervised by Prof. Dr. Jan Reedijk.

This PhD thesis project has been supported by CONACyT, the Council for the Chemical Sciences of the Netherlands Organization for Scientific Research (CW-NWO) and by COST (European Cooperation in the field of Scientific and Technical Research). In 2007, she was awarded a SBIC Student Travel Grant to attend ICBIC13 in Vienna, Austria.

Part of the research described in this thesis has been presented in several national and international meetings, including the COST D20 Conference, Metal Compounds in the Treatment of Cancer Diseases" in Garmisch-Partenkirchen, Germany (2004); the 7<sup>th</sup> European Biological Inorganic Chemistry symposium in Garmisch-Partenkirchen, Germany (2004); the ESF-COST Conference on Inorganic Chemistry in Athens, Greece (2006); the 13<sup>th</sup> International Conference on Biological Inorganic Chemistry, ICBICXIII" in Vienna, Austria (2007); the COST D39 Group Meeting in Leiden, The Netherlands (2007); the COST D39 Conference, Pt-based Metallo-drugs: beyond Cisplatin and its analogues in Verona, Italy (2007); the 10th International Symposium on Platinum Coordination Compounds in Cancer Chemotherapy (ISPCC) in Verona, Italy (2007) and the Annual Holland Research School for Molecular Chemistry (HRSMC) symposium in Amsterdam, the Netherlands (2006, 2007)