

# 5<sup>th</sup>

## World Congress for the Advancement of Surgery

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### Andrea Frilling



Professor Andrea Frilling is currently affiliated as Professor of Surgery and Chair in Endocrine Surgery with the Imperial College London, UK. She has received her primary medical education in Germany. After her surgical training she specialized in endocrine surgery and hepato-pancreato-biliary surgery. Her initial basic research signature areas in the field of endocrine surgery were differentiated thyroid tumors. She was a founding member of the international consortium that identified specific mutations of the RET protooncogene as the underlying genetic cause of the hereditary variant of medullary thyroid carcinoma and set up studies on genotype-phenotype correlation. Her further research was aimed to determine the molecular aetiology of follicular thyroid tumors. Gene-expression profiling and metabonomic profiling in intestinal neuroendocrine tumors with an aim to identify novel molecular biomarkers and offer personalised treatment accounts for areas of her present research work. She conducted comprehensive clinical research on multimodal treatment of neuroendocrine liver metastases. Her group showed for the first time that these metastases appear in three different growth types which are predictive of outcome. In addition, she is intensively working towards clinical implementation of novel molecular imaging techniques and targeted treatment options for patients with advanced neuroendocrine disease. In 2012 she organised an International Consensus Conference on Neuroendocrine Liver Metastases and developed guidelines for their management. She is primary investigator for several clinical trials in neuroendocrine tumors and she is the Head of the ENETS Centre of Excellence for Neuroendocrine Tumors at Imperial College London.