

8th Symposium of the International Society for the History of Radiology

Brussels 28 Sept 2019



Dr. Sc. Brigitte Van Tiggelen

Brigitte Van Tiggelen is Director for European Operations at the Science History Institute, Philadelphia, USA and member of the Centre de Recherche en Histoire des Sciences, Université catholique de Louvain, Belgium.

Graduated both in physics and history, she devoted her PhD to chemistry in the XVIIIth century Belgium. She chairs of the Working Party on the History of Chemistry (EuChemS) since 2013 and the Commission for the History of Chemistry and Molecular Sciences (IUHPST) since 2017. To promote history of science among the general public and secondary school teachers, she has founded Mémosciences asbl. Publications include co-edited books *From Bench to Brand and Back: The Co-Shaping of Materials and Chemists in the Twentieth Century* (2017); *Domesticity in the Making of Modern Science* (2016); *For Better or for Worse? Collaborative Couples in the Sciences* (2012), and *The Public Image of Chemistry* (2007).

Presents:

Allan MacLeod Cormack, CT Scan and independent discoveries in the history of science

In 1979, the Nobel Prize in Physiology or Medicine was awarded jointly to Allan MacLeod Cormack and Godfrey N. Hounsfield "for the development of computer assisted tomography." The choice of two laureates with different training, scientific background and affiliation underlines the complementarity needed to develop the CT scan. It also demonstrates that independent multiple discovery is a general feature in the development of science.

While Hounsfield was working at EMI, in an environment of technical improvement and invention, Cormack pursued a career as particle physicist with a side interest in x-ray technology, with a gift for computing calculations. The contribution will focus on Cormack's contribution, and the process through which it gained recognition in the spirit of Nobel's will.