

Summary of the CV

Prof. Annemieke Madder obtained her MSc in Chemistry (1992) and PhD (1997) from Ghent University, working on the development of non-enzymatic hydrolases, under the supervision of Prof. P.J. De Clercq. As a national science foundation (FWO) fellow, she went for postdoctoral stays with Prof. C. Gennari at the University of Milan and with Prof. R. Strömberg at the Karolinska Institute in Sweden to become acquainted with peptide and oligonucleotide chemistry. She returned to Ghent to take up tenure as assistant professor in 2002 and started her independent career. She was promoted Full Professor at the Department of Organic and Macromolecular Chemistry in 2014 and Senior Full Professor in 2022. Currently she is heading the Organic and Biomimetic Chemistry Research Group (OBCR, currently ca 17 members) specialised in the design and synthesis of modified peptides and nucleic acids and methods for their conjugation and labelling. More about her research at: <https://www.ugent.be/we/orgchem/obcr/en/about-us>

Over the last 20 years, A. Madder has been productive in peptide and oligonucleotide synthesis and modification. Furthermore, the group has extensive expertise in the use of singlet oxygen-based strategies for biomolecule modification and in that context was involved in the coordination of a European Network on the use of $^1\text{O}_2$ strategy in sustainable oxidation procedures. A. Madder served as panel member and panel chair for ERC Starting Grants from 2010-2016 and is currently a member of the IOF (Industrial Research Fund) council and serves as substitute member in the Special Research Fund (BOF) council at UGent. She became member of the FWO-Expert panel W&T4 from 2020 onwards and is an Advisory Board member at several research institutes. She is currently chair of the newly created Division of Organic and Bioorganic chemistry within the KVCV chemical society in Belgium.