

Martine J. Smit

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Professor Smit's research focuses on important concepts of G protein-coupled receptors (GPCRs) (e.g. constitutive activity, ligand-biased signaling, allosterism, dimerisation), which are important for understanding and targeting (oncogenic) signaling networks activated by human and viral chemokine receptors.

Over the last decade, Martine has identified several nanobodies, single domain antibody fragments, effectively targeting and modulating GPCR function. She was project coordinator of Horizon2020 ITN project ONCORNET (Oncogenic GPCR Network of Excellence and Training) (2015-2019) and is currently coordinating ONCORNET2.0 (2020-2024).'

Accomplishments:

- Co-PI of NWO TOPPUNT (7 ways to modulate 7TM receptors)
- Project Coordinator of the European Union's Horizon 2020 MSCA Programme ITN project ONCORNET (Oncogenic GPCR Network of Excellence and Training).
- Organon Award for Pharmacology (2007)
- Galenus Research Prize (2002)
- Responsible for identifying several nanobodies (llama-derived antibodies) that target and modulate GPCR function.

Affiliation:

- Professor, Vrije Universiteit Amsterdam, Netherlands
- Project coordinator of the European Union's Horizon 2020 MSCA Programme ITN project ONCORNET (Oncogenic GPCR Network of Excellence and Training).