THE DEPARTMENT OF CHEMISTRY
INVITES YOU TO AN OPEN LECTURE BY

# BEN FERINGA

2016 NOBEL LAUREATE IN CHEMISTRY

## LECTURE TITLE:

## The Art of Building Small *from Molecular Switches to Motors*

**01 Nov, ‘24**

**12:00 - 13:00 PM**

**PD Hahn Building, LT3**

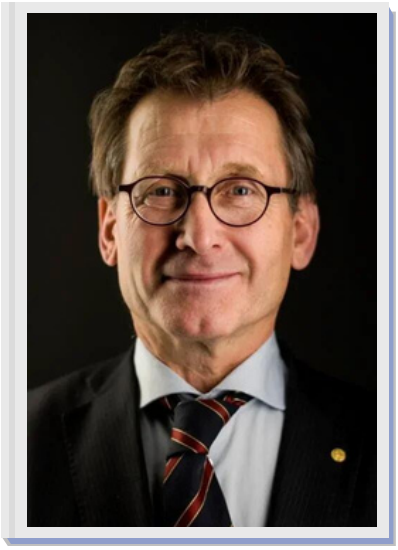
**gregory.smith@uct.ac.za**

**NOTE: Refreshments to follow in the Chemistry Boardroom**

UCT Chemistry

# The Department of Chemistry
## Departmental Seminar
Guest Speaker
## Professor Ben Feringa

## About our speaker



Prof. Ben L. Feringa obtained his PhD. at the University of Groningen, where he was appointed full professor in 1988, after working as research scientist for Shell. Under his guidance the Feringa group has developed extensive expertise in the fields of organic chemistry, nanotechnology, asymmetric catalysis. His discovery of the molecular motor ranks highly among the many discoveries made over the years.

## Topic:
## The art of building small

**The research program of the Feringa group is focussed on synthetic and physical organic chemistry. Inspired by Nature's principles of molecular assembly, recognition, transport, motion and catalysis, the goal is to exploit the full potential of synthetic chemistry to create new structures and functions. A major part of the research is directed towards dynamic molecular systems. The focus is on molecular nanoscience, novel responsive materials and photo-pharma exploring biohybrid systems, self-assembly, molecular switches and motors. A second part of the program deals with the development (and application in chemical biology) of novel stereoselective synthesis methods and asymmetric catalysis. Chirality is a leading theme and over the years a unique and broad expertise in fundamental aspects of stereochemistry has been acquired including chiroptical phenomena, chiral amplification and origin of chirality.**