

# The science behind the 2023 Nobel Prizes in Physics, Chemistry, and Medicine

Join us for the 8<sup>th</sup> Annual Public Lecture proudly hosted by the Departments of Physics, Physiological Sciences, and Chemistry and Polymer Science

Date: Thursday 2 November 2023

Time: 18:00-19:30

Venue: A203, JS Smuts Building or online

RSVP here for in-person or online attendance:

<https://forms.office.com/r/sECfKEhubB>

**Light refreshments will be served after the lectures, courtesy of NITheCS.**

## Programme

**Speaker: Dr Gurthwin Bosman, Stellenbosch Photonics Institute, Department of Physics**

*On the 2023 Nobel Prize in Physics awarded to Pierre Agostini, Ferenc Krausz, and Anne L'Huillier "for experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter".*

**Speaker: Prof. Catharine Esterhuysen, Department of Chemistry and Polymer Science**

*On the 2023 Nobel Prize in Chemistry awarded to Mounji G. Bawendi, Louis E. Brus and Alexei I. Ekimov "for the discovery and synthesis of quantum dots".*

**Speaker: Dr Marguerite Blignaut, Division of Medical Physiology**

*On the 2023 Nobel Prize in Physiology and Medicine awarded to Katalin Karikó and Drew Weissman "for their discoveries concerning nucleoside base modifications that enabled the development of effective mRNA vaccines against COVID-19".*

# Die wetenskap agter die 2023 Nobel Pryse in Fisika, Chemie en Medisyne

Sluit by ons aan vir die 8ste Jaarlikse Openbare Lesing met trots aangebied deur die Departemente Fisika, Fisiologiese Wetenskappe, en Chemie en Polimeerwetenskap

Datum: Donderdag 2 November 2023

Tyd: 18:00-19:30

Plek: A203, JS Smuts Gebou of aanlyn

RSVP hier vir in-persoon of aanlyn bywoning

<https://forms.office.com/r/sECfKEhubB>

**Ligte verversings sal na afloop van die lesings bedien word, geborg deur NITheCS.**

## Program

**Spreeker: Dr Gurthwin Bosman, Stellenbosch Fotonika Instituut, Departement Fisika**

*Oor die 2023 Nobel Prys in Fisika toegeken aan Pierre Agostini, Ferenc Krausz, en Anne L'Huillier "for experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter".*

**Spreeker: Prof. Catharine Esterhuysen, Departement van Chemie en Polimeerwetenskap**

*Oor die 2023 Nobel Prys in Chemie toegeken aan Mounji G. Bawendi, Louis E. Brus en Alexei I. Ekimov "for the discovery and synthesis of quantum dots".*

**Spreeker: Dr Marguerite Blignaut, Afdeling Mediese Fisiologie**

*Oor die 2023 Nobel Prys in Fisiologie en Medisyne toegeken aan Katalin Karikó en Drew Weissman "for their discoveries concerning nucleoside base modifications that enabled the development of effective mRNA vaccines against COVID-19".*