



2014 International Solvay Chair in Chemistry Inaugural Lecture



**Professor Richard Royce Schrock
(MIT, USA)
Chemistry Nobel Laureate 2005**

The Nobel Prize in 2005

Olefin metathesis was recognized by the Nobel Prize in Chemistry in 2005. It is a reaction in which C=C bonds are cleaved and “rearranged” to give new C=C bonds. I will present some of my own discoveries that led to over 30 years of progress and the Nobel Prize in 2005. That progress has depended upon the development of molecular catalysts that contain molybdenum, tungsten, or ruthenium. Olefin metathesis has had a major impact on the synthesis of organic molecules, polymers (from strained olefins), and chemicals from renewable feed stocks (e.g., seed oils), and could also impact pharmaceutical, fragrance, agro, and materials chemistries. I will give examples of several recent successes with recently prepared catalysts that are based on molybdenum or tungsten.

Tuesday 23 September 2014 at 5.00 P.M.

COFFEE AND TEA WILL BE SERVED AT 4.45 P.M. IN FRONT OF THE FORUM C
DRINK AT 6.00 P.M. AT THE UAE

FORUM C

UNIVERSITÉ LIBRE DE BRUXELLES
CAMPUS PLAINE - BOULEVARD DU TRIOMPHE
ACCESS 2
1050 BRUSSELS



Vrije
Universiteit
Brussel



www.solvayinstitutes.be