

## Gadi Rothenberg

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### Current position:

Professor and Chair of Heterogeneous Catalysis and Sustainable Chemistry at the University of Amsterdam and Director of Rothenberg Enterprises B.V.

### Education:

- 1996–1999      **PhD in Applied Chemistry**, awarded *summa cum laude* from the Hebrew University of Jerusalem.
- 1994–1996      **MSc in Applied Chemistry**, from the Hebrew University of Jerusalem.
- 1991–1993      **BSc in Chemistry**, awarded *magna cum laude* from the Hebrew University of Jerusalem.

### Research experience:

- 2008–              **Professor and Chair** at the University of Amsterdam.
- 2007–2011        **Chief Scientific Officer** of Yellow Diesel B.V.
- 2005–2008        **Associate Professor** at the University of Amsterdam.
- 2001–2004        **Research fellow/Assistant Professor** at the University of Amsterdam.
- 1999–2001        **Marie Curie postdoctoral research fellow** at The University of York.
- 1996–1999        **PhD student** at the Hebrew University of Jerusalem.

### Major Research Grants:

- March 2010        Marie Curie International Exchange Fellowship (€235k, with Dr. V. Gitis).
- November 2009    NWO/STW grant (€1M, with Prof. A. Winnubst, TU Twente).
- July 2009         ACTS-ASPECT project grant (€230k, with Prof. F. Kapteijn, TU Delft).
- June 2009         Industrial project funding from Total Gaz & Power (€500k).
- May 2009         CatchBio project grant (€1.1M, with Dr. J. van Haveren, WUR/A&F).
- May 2009         NRSC-C fundamental research project grant (€250k).
- January 2009      SenterNovem EOS project grant (€1.5M, with Yellow Diesel and Solarix BV)
- December 2007    NWO-CW Casimir grant (€291k, with Avantium Technologies).
- April 2007        Industrial project funding from Rhodia (€150k).
- March 2007        NWO-DFG IRTG grant (€250k, with Dr. H. Koller, Münster University).
- October 2004      NWO/ACTS ASPECT project grant (€602k, with Prof. F. Kapteijn, TU Delft).
- July 2004         STW Separation technology grant (€482k, with Prof. A.B. de Haan, TU/e).
- October 2003      NWO Vernieuwingsimpuls VIDI personal research grant (€600k).
- February 2000     European Commission Marie Curie individual research fellowship (€115k).

### Teaching Experience:

- 2001–              **University of Amsterdam**. Head teacher in “Catalysis – Theory and Applications”; “Chemie: Energie en Dynamica”; “Write it Right” – a course and workshop on writing scientific articles. Awarded 3rd place in the students’ evaluation of lecturers (‘de onderwijsbokaal’) in 2002, 2nd place in 2006, and **Teacher of the year** in 2007.

- 1999–2001 **The University of York.** Teaching 2nd and 3rd-year undergraduates in chemistry, including symmetry and group theory; vibrational spectroscopy; solid-state chemistry; physical-organic chemistry.
- 1997–1999 **Hebrew University of Jerusalem** (teaching assistant). Courses: Economics and management in applied science; techno-economics of industrial chemical processes; introduction to chemical reactor theory; industrial organic chemistry. Labs: esterification on a pilot-plant scale; extraction processes.
- 1994–1999 **Teacher of Chinese martial arts** (Black belt in Kung-Fu, 1992). Leading over 100 adult pupils through the maze of physical combat and personal development.

#### **Prizes and Academic Honours:**

- 2011 Member of the Scientific Advisory Board of the Rhodia/CNRS lab in Shanghai.
- 2010 **Science Park Ideas Prize** (with dr. N.R. Shiju).
- 2008 **Science Park Ideas Prize** (with ing. J. Beckers).
- 2007 Voted by the chemistry students as **Lecturer of the Year**.
- 2006 **Science Park Ideas Prize** (with dr. E. Eiser).
- 2006 **Bayer CropScience Innovation Award** (with dr. H. de Jonge).
- 2006 **Paul N. Rylander Award** from the Organic Reactions Catalysis Society.
- 2004 European Commission **Marie Curie Excellence Award**.

#### **Recent invited Lectures:**

- 2012 Invited lecture at GeorgiaTech (Atlanta, GA).
- 2012 Plenary lecture at FineCat 2012 (Palermo, Sicily, opening lecture of the conference).
- 2012 Invited lecture at ETH Zurich (Zurich, Switzerland).
- 2011 Invited lecture at Oslo University, InGAP centre (Oslo, Norway)
- 2011 Invited seminar at Ben-Gurion University (Beer-Sheva, Israel).
- 2010 Plenary lecture at the Norwegian symposium for catalysis (Bergen, Norway).
- 2010 Invited seminars at Aachen University and Heidelberg University (Germany).
- 2009 Keynote lecture at the 3rd IDECAT conference (Porquerolles, France)
- 2008 Plenary lecture at the DECHEMA catalysis conference (Seeon, Germany).
- 2008 Keynote lecture at the Israeli Chemical Society meeting (Jerusalem, Israel).
- 2007 Invited lecture at BASF AG (Ludwigshafen, Germany).
- 2007 Invited lecture at Evonik-Oxeno AG (formerly DEGUSSA, Marl, Germany).
- 2007 Invited lecture at TU/e (Eindhoven, The Netherlands).
- 2007 A series of six invited lectures and institute seminar at ICIQ (Tarragona, Spain).
- 2007 Plenary lecture at EuroCombicat 2007 (Bari, Italy, opening lecture of the conference).
- 2006 Invited lecture at the University of St. Andrews (St. Andrews, Scotland).
- 2006 Plenary lecture at the 21st Organic Reactions Catalysis Society meeting (Orlando, FL).

#### **Publications and patents:**

120 articles in international peer-reviewed journals (with 8 more under review), plus over 100 other publications (popular science articles and conference papers) and eight patents. Another 40 news articles were published about me and my research.

A full list of publications and additional information is available on  
<http://www.science.uva.nl/hims/hcsc>