

TORBERN BERGMAN MEDALIST 2020

Professor Graham Cooks

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USA

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Graham Cooks is the Henry B. Hass Distinguished Professor in Analytical Chemistry at the Department of Chemistry at Purdue University.

His research interest is mass spectrometry and his invention of desorption electrospray ionization (DESI) has been a game changer for assessing distributions of metabolites and other analytes with mass spectrometry imaging. Prof. Cooks has also been in the front of developing new types of mass spectrometers and fragmentation techniques.

Professor Graham Cooks is an elected fellow at the US National Academy of Science since 2015.

He received his B.S. degree in Chemistry from the University of Natal in South Africa in 1961. He pursued his studies with a M.S. degree at the same university. Thereafter he obtained his PhD in 1965 at the University of Natal in South Africa and in 1967 he obtained a second PhD at the Cambridge University, England.



Torbern Bergman Medal 2020

Torbern Bergman (1735 - 1784) came to Uppsala in 1752. He began, under parental influence, studying theology and philosophy, and - secretly - mathematics, physics, and astronomy. During the years of 1755 - 58, he produced several dissertations, which rendered him a senior lectureship in physics.

In 1767, the chair of chemistry at Uppsala University was to be filled. Bergman's application comprised one single chemical work, but through the personal intervention of Prince Gustav (later King Gustav III), he was appointed, which proved extraordinarily fortunate for chemistry. Within a few years, Bergman was considered among the foremost chemists in Europe. His research ardour was immense. In addition, he was a distinguished teacher. A bibliography of Bergman's publications (Birgitta Moström, 1957) includes 307 articles in Swedish and several other languages. Many of these works are available at the university library in Uppsala.

Bergman's contributions concerned, to a great extent, analytical chemistry. It was therefore natural for the Analytical Division of the Swedish Chemical Society to honour him by instituting the Torbern Bergman Medal in 1967, on the 200th anniversary of his appointment to the chair of chemistry at Uppsala University.

The following analytical chemists have been awarded the Torbern Bergman Medal:

2018 Jonathan V. Sweedler	1993 Bruce Kowalski och Svante Wold
2016 Carol V. Robinson	1990 John Knox
2014 Allen J. Bard och Adam Heller	1987 James D. Winefordner
2012 Richard Zare	1985 Jaromir Ruzicka
2010 Janusz Pawliszyn	1982 J. J. Kirkland
2008 Barry Karger	1979 Kai Siegbahn
2006 Franz Hillenkamp och Michael Karas	1976 Alan Walsh
2003 Csaba Horváth	1973 Evan C. Horning
2001 Fred W. McLafferty	1971 Charles N. Reilly
1999 William R. Heineman	1969 Anders Ringbom
1996 James Jorgensen och Stellan Hjertén	1967 Gerold Schwarzenbach

