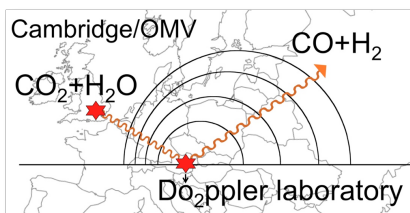


Invitation

**Inauguration of Christian Doppler Laboratory
for Sustainable SynGas Chemistry**

25 April 2012



Todd Hamied Room
Department of Chemistry
University of Cambridge
Lensfield Road
Cambridge CB2 1EW



Christian Doppler Laboratory for Sustainable SynGas Chemistry

1 April 2012 to 30 March 2019

Dear colleague,

I would like to cordially invite you to the inauguration of the Christian Doppler laboratory for Sustainable SynGas Chemistry on the 25th of April 2012. The state-of-the-art laboratory will be based in the Department of Chemistry and will be jointly funded by the Christian Doppler Research Association and the OMV Group for a duration of seven years. The Christian Doppler Research Association is a non-profit organization that supports basic science and technology to economically relevant questions. The OMV is a major oil- and gas group in Central Europe and one of Austria's largest industrial companies.

The laboratory will address application-oriented basic research questions for a sustainable carbon-based economy. Specifically, we aim to develop the basic principles for a photochemical device that allows for the light-driven conversion of the greenhouse gas carbon dioxide and water to carbon monoxide and hydrogen, a mixture known as syngas. Syngas is an invaluable chemical feedstock for the petrochemical industry, and an attractive precursor to produce hydrocarbons, liquid fuel. This cross-disciplinary laboratory will bring together approaches from bio-inspired molecular and materials synthesis, electrochemistry, photochemistry and device engineering.

I very much hope that you will be able to join us at the inauguration!



Erwin Reisner

Programme

25th of April 2012, 12.30–3 pm, Todd Hamied-Room

- 12.30 Professor Daan Frenkel
(Head of Department of Chemistry)
- 12.40 Prof. Dr. Reinhart Kögerler
(President Christian Doppler Research Association)
- 12.50 Dr. Walter Böhme
(Head of Science & Innovation OMV Group)
- 13.00 Professor Sir Richard Friend
(Cavendish Professor of Physics)
'Photovoltaics: Organic solar cells'
- 13:30 Dr. Judy Hirst
(Group leader MRC Mitochondrial Biology Unit)
'Electrocatalysis: An enzyme paradigm for the reduction of CO₂'
- 14.00 Dr. Erwin Reisner
(Head of Christian Doppler laboratory)
'Solar fuels: Solar conversion of CO₂ and H₂O to SynGas'
- 14.30 Wine and Coffee Reception



Christian Andreas Doppler (1803–1853)