**Steven Benner**

Steven Benner (*1954) obtained his BS/MS at the Yale University (1976) and his PhD (1979) at the Harvard University under guidance of Woodward and Westheimer. After being fellow at Harvard he became assistant professor in 1982. He was (associate) professor (1986-1996) for bioorganic chemistry at the ETH Zürich before moving to the University of Florida working as professor for chemistry and cell & molecular biology until 2005. He continued his research as Distinguished Fellow of the Foundation for Applied Molecular Evolutions (FfAME) which he founded in 2001. Benner is considered as originator of the field of "synthetic biology" combining natural history with physical sciences.

**Stefanie Dehnen**

Stefanie Dehnen (*1969) studied chemistry at the University of Karlsruhe and received her PhD in the group of Dieter Fenske in 1996. After a postdoc with Reinhart Ahlrichs and habilitation (2004) in Karlsruhe she became full professor for inorganic chemistry at the University of Marburg in 2006. Her research focuses on compounds and materials with binary and ternary chalcogenidometalate anions, organotetrel chalcogenide compounds, binary Zintl anions and ternary intermetalloid clusters. In 2004 Dehnen received the Wöhler Young Investigator Prize and since 2016 she is elected full member of the Academy of Sciences and Literature, Mainz and Göttingen Academy of Sciences and Humanity.

**Scott E. Denmark**

Scott E. Denmark (*1953) received his SB at MIT in 1975. In 1980 he completed his D. Sc. Tech. under the supervision of Albert Eschenmoser at the ETH Zürich. At the University of Illinois, he became assistant professor in 1980, associate professor in 1986, full professor in 1987 and Reynold C. Fuson Professor of Chemistry in 1991. Denmark is famous for his significant contributions in the field of chiral Lewis base catalysis. He was recognized by prestigious awards such as the Humboldt Prize, the Arthur C. Cope Scholar Award and the RSC Pedler Award. He is elected fellow of the ACS and was elected to the American Academy of Arts and Sciences and the National Academy of Sciences.

**Guy Lloyd-Jones**

Guy Lloyd-Jones (*1966) obtained his Bsc at Huddlersfield Polytechnic (1989) and his DPhil at the University of Oxford in the group of John Brown (1992). He conducted his postdoctoral research with Andreas Pfaltz in Basel before becoming lecturer (1996-2000), reader (2000-2003), full professor (2003-2012) and Head of Organic and Biological Chemistry (2012-2013) at the Bristol University. Since 2013 he is Forbes Professor of Organic Chemistry at the University of Edinburgh. His research concentrates on the understanding of organometallic reaction mechanisms. His awards include the Liebig Lectureship, the RSC Pedler Award and most significantly the fellowship of the Royal Society.

WWU MÜNSTER

## 11th Münster Symposium on Cooperative Effects in Chemistry

Castle of the University of Münster
Schlossplatz 2, 48149 Münster
Friday, May 8th 2020

**Register** your Poster today for your chance to receive one of **MSCEC 2020 Poster Prizes**

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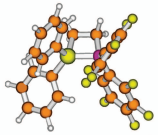
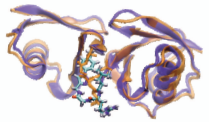
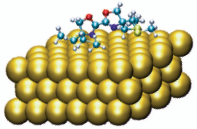
# 11th MÜNSTER SYMPOSIUM ON COOPERATIVE EFFECTS IN CHEMISTRY

**May 8th, 2020**

Steven **BENNER** FfAME, Alachua, Florida, USA
Stefanie **DEHNEN** Philipps-Universität Marburg, GER
Scott E. **DENMARK** University of Illinois, USA
Guy **LLOYD-JONES** The University of Edinburgh, UK







DFG Deutsche Forschungsgemeinschaft

SFB 858

**Contact**
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Synergistic Effects in Chemistry - From Additivity towards Cooperativity

SFB 858

# The MS_CEC YOUNG RESEARCHER AWARDS 2020


The Collaborative Research Center (SFB) 858 „Synergistic Effects in Chemistry - From Additivity towards Cooperativity“ invites you to apply for the MS_CEC Young Researcher Awards:

- For outstanding scientific papers with first authorship by
- PhD students, postdocs, and habilitands that are
- published in the field of Molecular Chemistry, Catalysis, Nano Materials, Surface Chemistry, Biochemistry, and Theoretical Chemistry.

Applicants should submit a copy of the publication along with a short summary (one paragraph) detailing their contribution along with their CV by **Tue, April 14th 2020** (sfb858@wwu.de).

The awardees will be invited to give a short talk on their contribution.

## Call for Posters!

The SFB 858 cordially invites young researchers (graduates and postgraduates) to present posters. Please register your poster via sfb858@wwu.de by **Fri, April 24th.**


# 11th MÜNSTER SYMPOSIUM ON COOPERATIVE EFFECTS IN CHEMISTRY

**Schedule**, Friday May 8th, 2020

09.55 am Opening Auditorium (Aula), Castle of the WWU Münster

10.00 am Guy **Lloyd-Jones**
The University of Edinburgh, United Kingdom
Chasing Intermediates in Capricious Reactions

11.00 am Stefanie **Dehnen**
Philipps-Universität Marburg, Germany
Multinary Clusters – Between Molecular Aesthetics and Macroscopic Functionality

12.00 Business Lunch, Coffee

12.30 pm Symposium **Poster Session**

2.15 pm MS_CEC **Young Researcher Awards**
Short Presentations by the Awardees

3.00 pm Steven **Benner**
Foundation for Applied Molecular Evolution, Alachua, Florida, USA
Rethinking Nucleic Acids.
From the Doctor's Office to Planet Mars

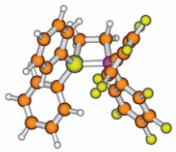
4.00 pm Scott E. **Denmark**
University of Illinois, USA
Discovery and Optimization of Enantioselective Catalysts Through Chemoinformatics

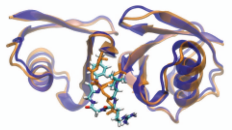
5.00 pm MS_CEC **Poster Prizes**
Closing Remarks

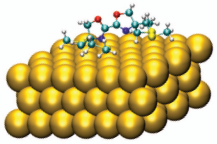
VISIT MÜNSTER IN SPRING

SFB 858

Cooperative effects in chemistry arise from the mutual interactions amongst components within a multi-component system. Cooperative effects can modulate the overall chemical behavior. Therefore, the aggregate may display novel properties, which are different from the properties of the individual components. Cooperativity describes modulation and regulation effects as a result of the mutual interactions between the constituents. We believe that cooperativity can be viewed as a far more general phenomenon than it is interpreted today. The Münster researchers, unified within the SFB 858, identify, explore, and exploit cooperative effects.

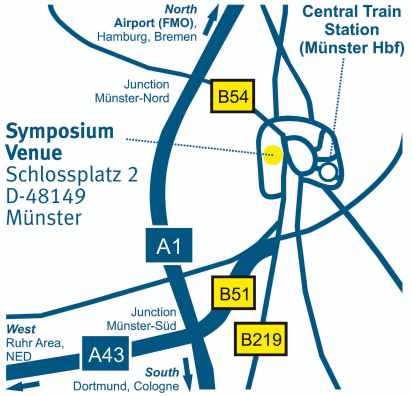






## Your Way to Münster

*by Car*
Via A1 (junction north) following the B54 (Steinfurter Straße) leading into B219 (Schlossplatz). Via A1/A43 (junction south) following B219 (Weseler Straße) until Schlossplatz.




*by Train*
If you reach Münster by train (Münster/Westf. Hbf), bus lines no 1 (stop Schlossplatz), 5, 6 (stop Überwasserstraße) 11, 12, 13 (stop Landgericht) transfer you to the Castle.

*by Airplane*
Münster Airport (FMO) is well connected to several airports (e.g. Frankfurt). Frequent bus transfer to the city center is available.