



VARINDER K. AGGARWAL

Varinder K. Aggarwal (* 1961) earned his PhD from the University of Cambridge in 1986 under the supervision of Stuart Warren. He carried out postdoctoral work with Gilbert Stork at Columbia University, before taking up appointments first in Bath, then Sheffield and finally at the University of Bristol. He develops new methods to assemble complex, biologically active molecules. His research includes new ways in catalysis as well as in synthesis. Aggarwal is the recipient of various awards, including the Corday-Morgan and Organic Stereochemistry awards of the Royal Society of Chemistry. He was elected a Fellow of the Royal Society (FRS) in 2012.



LEE CRONIN

Lee Cronin (* 1973) is the Regius Chair of Chemistry at the University of Glasgow. He received his B.Sc. and Ph.D. degrees from the University of York. He was a Leverhulme fellow at Edinburgh (with Neil Robertson, 1997-1999), after that moving to Bielefeld (1999-2000) as an Alexander von Humboldt fellow. Cronin gave the opening lecture at TED-Global in 2011 outlining initial steps his team is taking to create inorganic biology, life composed of non-carbon-based material. He was awarded the Corday-Morgan medal (2012), the Tilden Prize (2015) and an ERC Advanced Grant. Cronin was the subject of the film Inorganica, which documents his research in inorganic biology and origins of life.



BEN DAVIS

Ben Davis (* 1970) was educated at the University of Oxford (B.Sc. in 1993, Ph.D. in 1996) as a student of Keble College. After postdoctoral research with J. Bryan Jones (Toronto), he returned to the UK (Durham University, 1998) and in 2001 he received a fellowship at Pembroke College, Oxford. He was promoted to Professor in 2005. His group's research focuses on biomolecular function (Synthetic Biology, Chemical Biology and Chemical Medicine), with an emphasis on carbohydrates and proteins. He was elected to the Royal Society in 2015. Recent awards comprise the Int. Carbohydrate Society Whistler Award (2017) and the Breslow Award for Biomimetic Chemistry by the ACS (2017).



HELMUT SCHWARZ

Helmut Schwarz (* 1943) was educated in Berlin (Diploma in 1971, PhD in 1972) and received the habilitation in 1974. After postdoctoral studies at MIT and in the UK he became professor at TU Berlin in 1978. Schwarz' research focuses on the elucidation of reaction mechanisms, in particular involving ionic and radical species in the gas phase. Furthermore, he has tremendously contributed to the development of mass spectrometry. He is a member of various academies and bodies and from 2008 to 2017 he was president of the Alexander von Humboldt foundation. Schwarz received numerous research awards, amongst them the Leibniz Prize (1990) and the Schrödinger medal of WATOC (2015).



9th Münster Symposium on Cooperative Effect in Chemistry
Castle of the University of Münster (Schlossplatz 2)
Friday, March 16th 2018



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9th MÜNSTER SYMPOSIUM ON COOPERATIVE EFFECTS IN CHEMISTRY

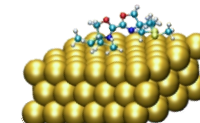
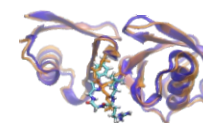
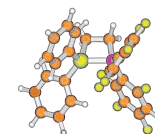
March 16th, 2018

Varinder K. AGGARWAL University of Bristol, UK

Lee CRONIN University of Glasgow, UK

Ben DAVIS University of Oxford, UK

Helmut SCHWARZ Technische Universität Berlin, GER



DFG

Deutsche
Forschungsgemeinschaft



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Synergistic Effects
in Chemistry - From
Additivity towards Cooperativity



The MS_CEC YOUNG RESEARCHER AWARDS 2018

The Collaborative Research Center (SFB) 858 „Synergetic 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 **Sun, February 26th 2018** (sfb858@www.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@www.de by **Mon, March 5th 2018**.



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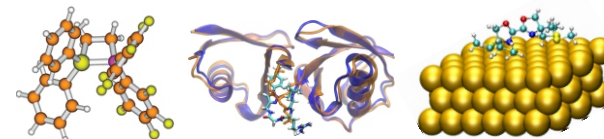
Schedule, Friday March 16th, 2018

- 09.55 am Opening Auditorium (Aula), Castle of the WWU Münster
- 10.00 am **Helmut Schwarz**
Technische Universität Berlin, Germany
**The Methane Challenge:
A Cold Experimental / Computational
Approach to a Hot Problem**
- 11.00 am **Ben Davis**
University of Oxford, United Kingdom
Sugars & Proteins
- 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 **Lee Cronin**
University of Glasgow, United Kingdom
**Exploring the Emergence of
Complex Chemical Networks**
- 4.00 pm **Varinder K. Aggarwal**
University of Bristol, United Kingdom
Assembly Line Synthesis
- 5.00 pm **MS_CEC Poster Prizes
Closing Remarks**

VISIT MÜNSTER
IN SPRING 2018!



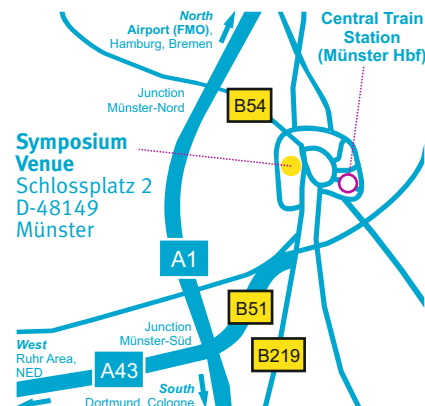
Cooperative effects in chemistry arise from the mutual interactions amongst components within a multi-component system. Cooperative effects can modulate the overall chemical behavior. Therefore, the aggregate may display novel properties, which are different from the properties of the individual components. 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.