

# SCHILLER & MERTENS

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**Dr. ès sc. habil. Alexander Schiller**

Trainer, Coach & Facilitator at

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„As scientists we focus on the results, as trainers we focus on the process.“

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Dr. Schiller is a habilitated chemist and successful group leader (Priv.-Doz. at University of Jena, [schiller-chemistry.de](http://schiller-chemistry.de)). Dr. Schiller gathered a 20-years teaching experience at LMU Munich (D), EPF Lausanne (CH), UC Santa Cruz (USA), and FSU Jena (D, “Lehr-Zertifikat Advanced”, habilitation in 2015, Venia legendi in inorganic chemistry). In addition, he is a “Certified Facilitator” and “Certified Advanced Coach” with The Thiagi Group ([thiagi.com](http://thiagi.com)), one of the world’s best training and coaching concepts. His company, Schiller & Mertens ([scientistsneedmore.de](http://scientistsneedmore.de)), has trained over 7000 scientists worldwide in hundreds of seminars, coachings, consultings and lectures since 2011 (since 2020 member in the Coaching Pool of the Max Planck Academy).

The DFG Heisenberg fellow Dr. Schiller was a junior professor from 2009 to 2017. He has authored more than 40 publications. He was granted more than € 1.75 Mio funding and is involved in several EU and DFG projects, e.g. ITN “LogicLab” ([logiclab-itn.eu](http://logiclab-itn.eu)) and research unit FOR 1738 “Heme and heme degradation products” ([hhdp.uni-jena.de](http://hhdp.uni-jena.de)). Dr. Schiller’s experience as researcher and group leader enables him to focus on the real needs of scientists. Moreover, he uses examples from everyday life in research. From his courses given so far, graduate students, postdocs, junior group leaders, lecturers, professors, and directors feedback that they can directly apply in everyday life what they learned in his workshops.

## Important scientific publications:

Two-Photon Induced CO-Releasing Molecules as Molecular Logic Systems in Solution, Polymers and Cells, R. Vadde, G. U. Reddy, J. Liu, P. Hoffmann, R. Sollapur, R. Wyrwa, S. Kupfer, C. Spielmann, S. Bonnet, U. Neugebauer, A. Schiller, *Chem. Eur. J.* **2019**, *25*, 8453-8458 (HOT PAPER).

Red Light-Triggered CO Release from  $Mn_2(CO)_{10}$  using Triplet Sensitization in Polymer Non-Woven fabrics, S. H. C. Askes, U. R. Gandra, R. Wyrwa, S. Bonnet, A. Schiller, *J. Am. Chem. Soc.* **2017**, *139*, 15292–15295.

Fluorinated Boronic Acid-Appended Pyridinium Salts and  $^{19}F$  NMR Spectroscopy for Diol Sensing, J. Axthelm, M. Elstner, G. U. Reddy, H. Görls, P. Bellstedt, A. Schiller, *J. Am. Chem. Soc.* **2017**, *139*, 11413–11420.

Light-responsive paper strips as CO-releasing material with a colourimetric response, G. U. Reddy, J. Liu, P. Hoffmann, J. Steinmetzer, H. Görls, S. H. C. Askes, S. Kupfer, U. Neugebauer, S. Gräfe, A. Schiller, *Chem. Sci.* **2017**, *8*, 6555-6560.

Co-Registered Molecular Logic Gate with a CO-Releasing Molecule Triggered by Light and Peroxide, G. U. Reddy, J. Axthelm, P. Hoffmann, N. Taye, S. Gläser, H. Görls, S. L. Hopkins, W. Plass, U. Neugebauer, S. Bonnet, A. Schiller, *J. Am. Chem. Soc.* **2017**, *139*, 4991–4994.

Fluorinated Boronic acid-appended Bipyridinium Salts for Diol Recognition & Discrimination via  $^{19}F$  NMR Barcodes, J. Axthelm, H. Görls, U. S. Schubert, A. Schiller, *J. Am. Chem. Soc.* **2015**, *137*, 15402–15405.

Sugar-based molecular computing via material implication, M. Elstner, J. Axthelm, A. Schiller, *Angew. Chem. Int. Ed.* **2014**, *53*, 7339–7343.

Molecular Logic with a Saccharide Probe on the Few-Molecules Level, M. Elstner, K. Weisshart, K. Müllen, A. Schiller, *J. Am. Chem. Soc.* **2012**, *134*, 8098–8100.