

Dauenhauer, Vignolini, and Wu: 2019 Winners of the ACS Sustainable Chemistry & Engineering Lectureship Awards

ACS Sustainable Chemistry & Engineering, the ACS Industrial and Engineering Chemistry Division (I&EC), and the ACS Cellulose and Renewable Materials Division (CELL) are pleased to announce the winners of the 2019 ACS Sustainable Chemistry & Engineering Lectureship Awards. These awards recognize the research contributions of scientists working in green chemistry, green engineering, and sustainability in the chemical enterprise and who have completed their academic training within the past 10 years. Lectureship award winners are selected for three regions: The Americas, Europe/Middle East/Africa, and Asia/Pacific. The winners of the 2019 ACS Sustainable Chemistry & Engineering Lectureship Awards are as follows:

- **Professor Paul Dauenhauer** of the University of Minnesota (Minneapolis, Minnesota, USA), honored for advancing the molecular understanding of complex reaction systems including biomass pyrolysis and biobased chemicals such as *p*-xylene and oleo–furan surfactants via novel reactors and analytical techniques.^{1–3}
- **Professor Silvia Vignolini** of the University of Cambridge (Cambridge, United Kingdom), honored for her contributions to the fabrication of biomimetic structures based on assemblies of natural materials within living organisms.^{4–6}
- **Professor Kevin C. W. Wu** of National Taiwan University (Taipei, Taiwan), honored for his contributions in sustainable nanoporous materials for heterogeneous catalysts, energy devices, and biomass conversion.^{7–9}

The winners will be recognized at an I&EC/CELL symposium in their honor at the 257th ACS National Meeting in Orlando, Florida, March 31–April 4, 2019. We thank the community of scientists devoted to sustainable chemistry and engineering for the enthusiastic response to our call for lectureship award nominations. Details of the next award cycle will be available in Spring 2019 or by sending inquiries to Award.ACSSustainable@acs.org.

David T. Allen, Editor-in-Chief

University of Texas at Austin, United States

AUTHOR INFORMATION

ORCID

David T. Allen: 0000-0001-6646-8755

Notes

Views expressed in this editorial are those of the author and not necessarily the views of the ACS.

REFERENCES

(1) Teixeira, A.; Mooney, K. G.; Kruger, J. S.; Williams, C. L.; Suszynski, W. J.; Schmidt, L. D.; Schmidt, D. P.; Dauenhauer, P. J. Aerosol Generation by Reactive Boiling Ejection of Molten Cellulose. *Energy Environ. Sci.* **2011**, *4*, 4306–4321.

(2) Mettler, M. S.; Mushrif, S. H.; Paulsen, A.; Javadekar, A. D.; Vlachos, D. G.; Dauenhauer, P. J. Revealing Pyrolysis Chemistry for Biofuels Production: Conversion of Cellulose to Furans and Small Oxygenates. *Energy Environ. Sci.* **2012**, *5*, 5414–5424.

(3) Williams, C. L.; Chang, C.-C.; Do, P.; Nikbin, N.; Caratzoulas, S.; Vlachos, D. G.; Lobo, R. F.; Fan, W.; Dauenhauer, P. J. Cycloaddition of Biomass Derived Furans for Renewable *p*-Xylene. *ACS Catal.* **2012**, *2* (6), 935–939.

(4) Toivonen, M. S.; Onelli, O.; Jacucci, G.; Lovikka, V.; Rojas, O. J.; Ikkala, O.; Vignolini, S. Anomalous Diffusion-Assisted Brightness in White Cellulose Nanofibril Membranes. *Adv. Mater.* **2018**, *30*, 1704050.

(5) Johansen, V. E.; Cáton, L.; Hamidjaja, R.; Oosterink, E.; Wilts, B. D.; Rasmussen, T. S.; Sherlock, M. M.; Ingham, C.; Vignolini, S. Genetic manipulation of structural colour in bacterial colonies. *Proc. Natl. Acad. Sci. U. S. A.* **2018**, *115*, 2652.

(6) Parker, R. M.; Frka-Petescic, B.; Guidetti, G.; Kamita, G.; Consani, G.; Abell, C.; Vignolini, S. Hierarchical Self-Assembly of Cellulose Nanocrystals in a Confined Geometry. *ACS Nano* **2016**, *10* (9), 8443–8449.

(7) Dutta, S.; Bhaumik, A.; Wu, K. C.-W. Hierarchically Porous Carbon Derived from Polymers and Biomass: Effect of Interconnected Pores on Energy Applications. *Energy Environ. Sci.* **2014**, *7* (11), 3574–3592.

(8) Van Nguyen, C.; Liao, Y.-T.; Kang, T.-C.; Chen, J. E.; Yoshikawa, T.; Nakasaka, Y.; Masuda, T.; Wu, K. C.-W. A Metal-Free, High Nitrogen-Doped Nanoporous Graphitic Carbon Catalyst for an Effective Aerobic HMF-to-FDCA Conversion. *Green Chem.* **2016**, *18*, 5957–5961.

(9) Deng, Y.-H.; Chen, J.-T.; Chang, C.-H.; Liao, K.-S.; Tung, K.-L.; Price, W. E.; Yamauchi, Y.; Wu, K. C.-W. A Drying-Free, Water-Based Process for Fabricating Mixed Matrix Membranes with Outstanding Pervaporation Performance. *Angew. Chem., Int. Ed.* **2016**, *55*, 12793–12796.

Received: August 2, 2018

Published: September 4, 2018