

## MacArthur Fellowships

The MacArthur Fellowships are awarded annually to “talented individuals who have shown extraordinary originality and dedication in their creative pursuits and a marked capacity for self-direction”. These unrestricted fellowships comprise a stipend of US\$625 000, and are given in recognition of creativity, future promise based on an excellent track record, and potential for the fellowship to result in subsequent outstanding work. Twenty-four fellows were selected in 2015, and we feature two of them here.

**William R. Dichtel** (Cornell University) was featured here when he received an Arthur C. Cope Scholar Award.<sup>[1a]</sup> He has recently reported in *Angewandte Chemie* on porous polymer thin films.<sup>[1b]</sup>

**Peidong Yang** (University of California, Berkeley) studied at the University of Science and Technology of China, and carried out his PhD (awarded in 1997) with Charles M. Lieber at Harvard University. After postdoctoral research with Galen D. Stucky at the University of California, Santa Barbara (1997–1999), he joined the faculty at the University of California, Berkeley in 1999. He is currently Professor of Chemistry, S. K. and Angela Chan Distinguished Professor of Energy, and also senior faculty scientist at the Lawrence Berkeley National Laboratory. Yang's main research interests are in the area of one-dimensional semiconductor nanostructures and their applications in nanophotonics and energy conversion. He has reported in *Chemistry—An Asian Journal* on Ta<sub>3</sub>N<sub>5</sub> nanowires,<sup>[2a]</sup> and has discussed artificial photosynthesis in a Minireview in *Angewandte Chemie*.<sup>[2b]</sup>

## Deutscher Zukunftspreis

The Deutscher Zukunftspreis is awarded by the Federal President of Germany for innovation in science and technology, in particular to “honour people who have put their outstanding scientific accomplishments to good use by creating marketable products and thus new jobs”. The winners of the 2015 prize, which is worth €250 000, are **Ardeschir Ghofrani** (Universitätsklinikum Gießen), and **Reiner Frey** and **Johannes-Peter Stasch** (Bayer, Wuppertal), who were honored for their project “A relief for heart and lung—from nitroglycerin to innovative therapies”, which involved the development of treatment for two forms of pulmonary hypertension, including the drug riociguat, the discovery of which was reported in *ChemMedChem*.<sup>[3a]</sup> Stasch is also the co-author of a Review in *Angewandte Chemie* on soluble guanylate cyclase stimulators and activators.<sup>[3b]</sup> Stasch studied at the Universities of Würzburg

and Hannover, and carried out his doctorate (awarded in 1983) at the Universities of Würzburg and Bielefeld. After qualifying as a pharmacist in 1984, he joined Bayer, where he is currently senior consultant.

## AAAS Marion Milligan Mason Award

The American Association for the Advancement of Science (AAAS) Marion Milligan Mason Award for Women in the Chemical Sciences is given biennially to early-career female scientists who are carrying out basic research. Four grants of US\$50 000 are awarded in order to help the recipients start their research careers. We feature the 2015 awardees here.

**Alison R. Fout** (University of Illinois at Urbana-Champaign) studied at Gannon University, Pennsylvania, and the University of North Carolina at Charlotte. She carried out her PhD (awarded in 2009) with Daniel J. Mindiola at Indiana University, and reported in *Angewandte Chemie* on a transient V<sup>III</sup>-alkylidene complex,<sup>[4a]</sup> and a terminal imidoscandium compound.<sup>[4b]</sup> From 2009–2012, she was a postdoctoral research fellow with Theodore A. Betley, and in 2012, she joined the faculty at the University of Illinois at Urbana-Champaign. Fout's research program focuses on the synthesis of ligand architectures that can support transition-metal complexes capable of mediating unusual transformations for biological, environmental, and energy problems.

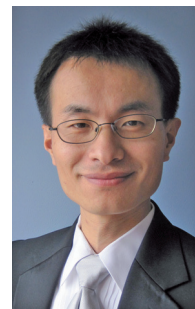
**Katherine R. M. Mackey** (University of California, Irvine) studied at the University of Maryland, College Park, and Stanford University, and completed her master's (2004) and PhD (2010) degrees at the latter institution under the supervision of Adina Paytan and Arthur Grossman. She subsequently carried out postdoctoral research at the University of California, Santa Cruz and the Carnegie Institute for Science (2010–2011), and with Mak Saito and Anton Post at the Woods Hole Oceanographic Institution and the Marine Biological Laboratory (2011–2014). She started her independent career at the University of California, Irvine, in 2014. Mackey's research involves the interplay between photosynthesis and biogeochemical cycles in the ocean, in particular how biogeochemical patterns drive the evolution of photosynthetic traits and influence the geographic distributions of microscopic phytoplankton.

**Kristin N. Parent** (Michigan State University) studied at the University of Connecticut, Storrs, where she completed her PhD (supervised by Carolyn M. Teschke) in 2007. From 2007–2012, she was a postdoctoral fellow with Timothy S. Baker at the University of California, San Diego, and she subsequently joined the faculty at Michigan State University. Parent and her research group are

## Awarded ...



W. R. Dichtel



P. Yang



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J.-P. Stasch



A. R. Fout



K. R. M. Mackey



K. N. Parent



L. Whittaker-Brooks



M. Antonietti

interested in the processes of virus assembly and infection, in particular the assembly and host-recognition mechanisms in dsDNA-containing bacteriophages.

**Luisa Whittaker-Brooks** (The University of Utah) studied at the University of Panama and The State University of New York, Buffalo State, and received her PhD from the latter institution in 2011. From 2011–2014, she was a postdoctoral researcher with Yueh-Lin Loo at Princeton University, and reported in *Advanced Energy Materials* on hybrid nanowire-array solar cells.<sup>[5]</sup> She joined the faculty at The University of Utah in 2014. Whittaker's research is focused on understanding the relationships between the composition, structure, electronic structure, and properties of inorganic and organic nanomaterials, as well as their composites.

### And also in the News

**Markus Antonietti** (Max Planck Institute of Colloids and Interfaces, Potsdam) has been elected as a Foreign Member of the Royal Swedish Academy of Engineering Sciences (IVA). Antonietti was featured here when he won the Franco–German Prize.<sup>[6a]</sup> He has recently reported in *Angewandte Chemie* on the self-assembly of giant vesicles from hydrophobic block copolymers.<sup>[6b]</sup>

- [1] a) *Angew. Chem. Int. Ed.* **2013**, 52, 9611; *Angew. Chem.* **2013**, 125, 9789; b) C. R. DeBlase et al., *Angew. Chem. Int. Ed.* **2015**, 54, 13225; *Angew. Chem.* **2015**, 127, 13423.
- [2] a) C. H. Wu, C. Hahn, S. B. Khan, A. M. Asiri, S. M. Bawaked, P. Yang, *Chem. Asian J.* **2013**, 8, 2354; b) D. Kim, K. K. Sakimoto, D. Hong, P. Yang, *Angew. Chem. Int. Ed.* **2015**, 54, 3259; *Angew. Chem.* **2015**, 127, 3309.
- [3] a) J. Mittendorf et al., *ChemMedChem* **2009**, 4, 853; b) M. Follmann et al., *Angew. Chem. Int. Ed.* **2013**, 52, 9442; *Angew. Chem.* **2013**, 125, 9618.
- [4] a) U. J. Kilgore, C. A. Sengelaub, M. Pink, A. R. Fout, D. J. Mindiola, *Angew. Chem.* **2008**, 120, 3829; *Angew. Chem. Int. Ed.* **2008**, 47, 3769; b) J. Scott, F. Basuli, A. R. Fout, J. C. Huffman, D. J. Mindiola, *Angew. Chem.* **2008**, 120, 8630; *Angew. Chem. Int. Ed.* **2008**, 47, 8502.
- [5] L. Whittaker-Brooks, W. E. McClain, J. Schwartz, Y.-L. Loo, *Adv. Energy Mater.* **2014**, 4, 1400585.
- [6] *Angew. Chem. Int. Ed.* **2011**, 50, 2883; *Angew. Chem.* **2011**, 123, 2935; b) S. M. Brosnan, H. Schlaad, M. Antonietti, *Angew. Chem. Int. Ed.* **2015**, 54, 9715; *Angew. Chem.* **2015**, 127, 9851.

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In this section, we report on various awards for chemists who are closely connected with *Angewandte Chemie* and its sister journals as authors, referees, or board members.