

Jason P. Rolland

Guest Editor for this issue of *MRS Bulletin* Diagnostics For All, Cambridge, MA, USA; tel. 617-494-0700; and email jrolland@dfa.org. Rolland is the senior director of research at Diagnostics For All. He has a BS degree in chemistry from Virginia Tech and a PhD degree in polymer chemistry from the University of North Carolina at Chapel Hill. His background is in biomaterials, microfluidics, and nanofabrication. He was formerly director of research and development at Liquidia Technologies, NC. Rolland is a co-inventor of the PRINT platform.

which allows for the fabrication of engineered nanoparticles with controlled size, shape, and chemistry. He received the National Starch & Chemical Company Award for Outstanding Graduate Research in Polymer Chemistry (2007).

Devin A. Mourey

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John D. Brennan

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Yi Cui



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Cui received his BS degree in chemistry from the University of Science and Technology of China in 1998 and his PhD degree in chemistry from Harvard University in 2002. He went on to work as a Miller Postdoctoral Fellow at the University of California, Berkeley. In 2005, he became a professor in the Department of Materials Science

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Hu is an assistant professor in the Department of Materials Science and Engineering at the University of Maryland College Park. He received his BS degree in applied physics from the University of Science and Technology of China (USTC) in 2002. He completed his PhD studies in experimental physics under George Gruner at UCLA, focusing on carbon nanotubes based nanoelectronics. In 2006, he joined Unidym Inc.

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Greg G. Lewis



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Mazzeo is currently an assistant professor at Rutgers University, and he is a former postdoctoral fellow of the Whitesides Group. He completed a PhD degree under the direction of David Hardt at MIT in the Department of Mechanical Engineering, where he also received his undergraduate (SB) and master's degrees (SM). His current research interests focus on advanced manufacturing of soft material-based

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Oza is a PhD student in the Department of Bioengineering at the University of Washington. She is currently working on developing low-cost paper-based diagnostics for global health applications. She received an SB degree in physics and an SB degree in anthropology from the Massachusetts Institute of Technology and an MSc degree in epidemiology from the London School of Hygiene and Tropical Medicine. Prior

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play amplified and autonomous responses to external chemical and physical signals.





Clémence Sicard

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Sicard is a postdoctoral fellow at McMaster University working on bioactive paper with John D. Brennan. She earned her PhD degree in material sciences from Paris VII in 2010. Her current research is focused on biohybrid materials for the development of new sensing devices. Her research interests include biomaterials, bioencapsulation, printing techniques, and spectroscopic measurements.

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Wågberg is a professor in Fibre Technology at the KTH Royal Institute of Technology in the Department for Fiber and Polymer Technology. He is a member of the Royal Swedish Academy of Engineering. Wågberg leads the Fiber Technology team, with work focusing on molecular tailoring of fibers and cellulose fibrils and a fundamental characterization of the colloidal chemical behavior

of cellulose nanofibrils. His focus is also on physical modification methodologies that can be used in aqueous media at neutral pH and room temperature.



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Whitesides is the Woodford L. and Ann A. Flowers University Professor at Harvard University. He received an AB degree from Harvard in 1960 and a PhD degree from the California Institute of Technology (with J.D. Roberts) in 1964. He was a faculty member at the Massachusetts Institute of Technology from 1963 to 1982 before

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Yager has an AB degree in biochemistry (Princeton) and a PhD degree in chemistry (University of Oregon, 1980). After seven years at the Naval Research Laboratory, he joined UW Bioengineering, becoming its Chair in 2008. Since 1992, his lab has focused on the development of microfluidic devices for monitoring biomedical analytes. The lab's goal is to increase access to health care through decentralization of biomed-

ical diagnostic testing in the developed and developing worlds. A primary focus now is on developing instrument-free medical diagnostics based on low-cost two-dimensional paper networks.



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Zheng received his BA degree in chemical engineering from the University of Cambridge in 2009. He is currently a graduate student in the Department of Chemical Engineering at Stanford University, under the National Science Scholarship offered by the Agency for Science, Technology and Research (A*STAR) in Singapore. Supervised by Yi Cui, his research focuses on the development of nanomaterials for energystorage applications.



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Zhu is currently a research associate at the University of Maryland. She received her PhD degree in wood chemistry and paper making technology at South China University of Technology. Her work focuses on flexible and transparent electronic devices and Na-ion battery research. Since 2009, she has worked at Nanjing Forestry University as an assistant professor. She conducted research on materials science and

processing of degradable and renewable biomaterials from natural wood with Gunnar Henriksson at the KTH Royal Institute of Technology in Sweden.



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IMPORTANT DATES

Abstract Submission Ends	April 30, 2013
Preregistration Opens	Early May, 2013
Preregistration Ends	Mid July, 2013

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