President Obama Announces the BRAIN Initiative

s noted last month and previously,¹⁻⁴ nanoscience and nanotechnology have a great deal to contribute in advancing the technologies needed to study the brain. This month, Pres. Obama announced the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative at the White House. I was fortunate and honored to be present, along with Profs. Anne Andrews and Paul Alivisatos, editors of our sister journals *ACS Chemical Neuroscience* and *Nano Letters*, respectively.



President Obama announces the BRAIN initiative in the East Room of the White House on April 2, 2013.

PHOTO CREDIT ALI KHADEMHOSSEIN

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Professor Ali Khademhosseini of Harvard University joins *ACS Nano* as an associate editor.

stitutes of Health (NIH), the National Science Foundation, and the Defense Advanced Research Projects Agency along with a number of private foundations. Dr. Francis Collins, NIH Director, introduced Pres. Obama as the country's "Scientist in Chief" and will serve as the spokesperson for the initiative. Now, the work begins in iden-

funded through the National In-

tifying, developing, and applying the technologies and platforms required to make the initiative a reality.¹ Look for both the challenges and the advances here in *ACS Nano* over the exciting years to come.

In addition, this month we are delighted to announce that Prof. Ali Khademhosseini has joined us as an associate editor. Dr. Khademhosseini applies advances in nanoscience and nanotechnology to tissue engineering. He is an associate professor at Harvard Medical School, Harvard-MIT Division of Health Sciences and Technology, and Wyss Institute for Biologically Inspired Engineering. He is a frequent contributor to *ACS Nano* both of research articles and Perspectives, including one in this issue.^{5–9}

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

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Paul S. Weiss Editor-in-Chief

REFERENCES AND NOTES

- Alivisatos, A. P.; Andrews, A. M.; Boyden, E. S.; Chun, M.; Church, G. M.; Deisseroth, K.; Donoghue, J. P.; Fraser, S. E.; Lippincott-Schwartz, J. A; Looger, L. L.; *et al.* Nanotools for Neuroscience and Brain Activity Mapping. *ACS Nano* **2013**, *7*, 1850–1866.
- Alivisatos, A. P.; Chun, M.; Church, G. M.; Deisseroth, K.; Donoghue, J. P.; Greenspan, R. J.; McEuen, P. L.; Roukes, M.; Sejnowski, T. J.; Weiss, P. S.; *et al.* The Brain Activity Map. *Science* **2013**, *339*, 1284–1285.
- 3. Andrews, A. M.; Weiss, P. S. Nano in the Brain: Nano-Neuroscience. ACS Nano 2012, 6, 8643–8644.

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DITORA

- 4. Weiss, P. S. Brain Activity Mapping Project: Applying Advances in Nanoscience and Nanotechnology to Neuroscience. ACS Nano 2013, 7, 1825-1826.
- 5. Gauvin, R.; Khademhosseini, A. Microscale Technologies and Modular Approaches for Tissue Engineering: Moving toward the Fabrication of Complex Functional Structures. ACS Nano 2011, 5, 4258-4264.
- 6. Shin, S. R.; Bae, H.; Cha, J. M.; Mun, J. Y.; Chen, Y. C.; Tekin, H.; Shin, H.; Farshchi, S.; Dokmeci, M. R.; Tang, S.; et al. Carbon Nanotube Reinforced Hybrid Microgels as Scaffold Materials for Cell Encapsulation. ACS Nano 2012, 6, 362-372.
- 7. Cha, C.; Liechty, W. B.; Khademhosseini, A.; Peppas, N. A. Designing Biomaterials To Direct Stem Cell Fate. ACS Nano 2012, 6, 9353-9358.
- Shin, S. R.; Jung, S. M.; Zalabany, M.; Kim, K.; Zorlutuna, P.; Kim, S.-b.; Nikkhah, M.; Khabiry, M.; Azize, M.; 8. Kong, J.; et al. Carbon-Nanotube-Embedded Hydrogel Sheets for Engineering Cardiac Constructs and Bioactuators. ACS Nano 2013, 7, 2369-2380.
- 9. Cha, C.; Shin, S. R.; Annabi, N.; Dokmeci, M. R.; Khademhosseini, A. Carbon-Based Nanomaterials: Multifunctional Materials for Biomedical Engineering ACS Nano 2013, 7, DOI: 10.1021/nn401196a.

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