

# Learn to turn water into brain science.

At NYU School of Medicine, a team of faculty, research scientists, and graduate students combines mathematical modelling with magnetic resonance imaging (MRI) and water diffusion to improve brain tractography and discover early biomarkers of neurodegenerative disorders.

Students in the Biomedical Imaging Graduate Program work closely with scientists like Dmitry Novikov, PhD, and Els Fieremans, PhD, who lead the diffusion group.

The program is integrated with the Center for Advanced Imaging Innovation and Research (CAI<sup>2</sup>R), a National Biomedical Technology Resource Center funded by the NIH.



*Dr. Dmitry Novikov, left, and Dr. Els Fieremans lead the diffusion group. Learn more about their work at [www.diffusion-mri.com](http://www.diffusion-mri.com).*

## **Biomedical Imaging**

Website: <http://cai2r.net/biomedical-imaging>

Graduate Advisor: Riccardo Lattanzi, PhD

Tel: 212.263.4860

Email: [riccardo.lattanzi@nyumc.org](mailto:riccardo.lattanzi@nyumc.org)

