



UNIVERSITY OF MICHIGAN
DEPARTMENT OF PHYSICS

Jennifer P. Ogilvie
Assistant Professor of Physics
Assistant Research Scientist, Biophysics
(734) 615-0485
jogilvie@umich.edu

POSTDOCTORAL POSITION

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A postdoctoral position is available in the lab of Professor Jennifer P. Ogilvie in the Department of Physics and Biophysics and the University of Michigan. The research topic is the development of novel microscopy methods based on coherent anti-Stokes Raman scattering (CARS) and is funded by a recently awarded grant from the National Science Foundation. The position will be for one year with the possibility of renewing the contract for a total of three years. Applicants should have experience with ultrafast laser spectroscopy and near field microscopy. The postdoctoral fellow will join a team of two graduate students who have already built a versatile CARS microscope based on previous work by the PI.[1, 2] Other research interests in the Ogilvie group include multidimensional electronic spectroscopy and single molecule spectroscopy. We are part of the FOCUS center (Frontiers in Optical and Coherent Ultrafast Science) and provide a unique multidisciplinary research environment making advances in ultrafast science and biophysics.

For more information or to apply please contact:

Jennifer Ogilvie
Department of Physics/Biophysics
University of Michigan
Ann Arbor, MI
jogilvie@umich.edu

1. J. P. Ogilvie, E. Beurepaire, A. Alexandrou, and M. Joffre, "Fourier-Transform Coherent Anti-Stokes Raman Scattering Microscopy," *Opt. Lett.* **31**, 480-482 (2006).
2. M. Cui, M. Joffre, J. Skodack, and J. P. Ogilvie, "Interferometric Fourier Transform Coherent Anti-Stokes Raman Scattering," *Optics Express* **14**, 8448-8458 (2006).