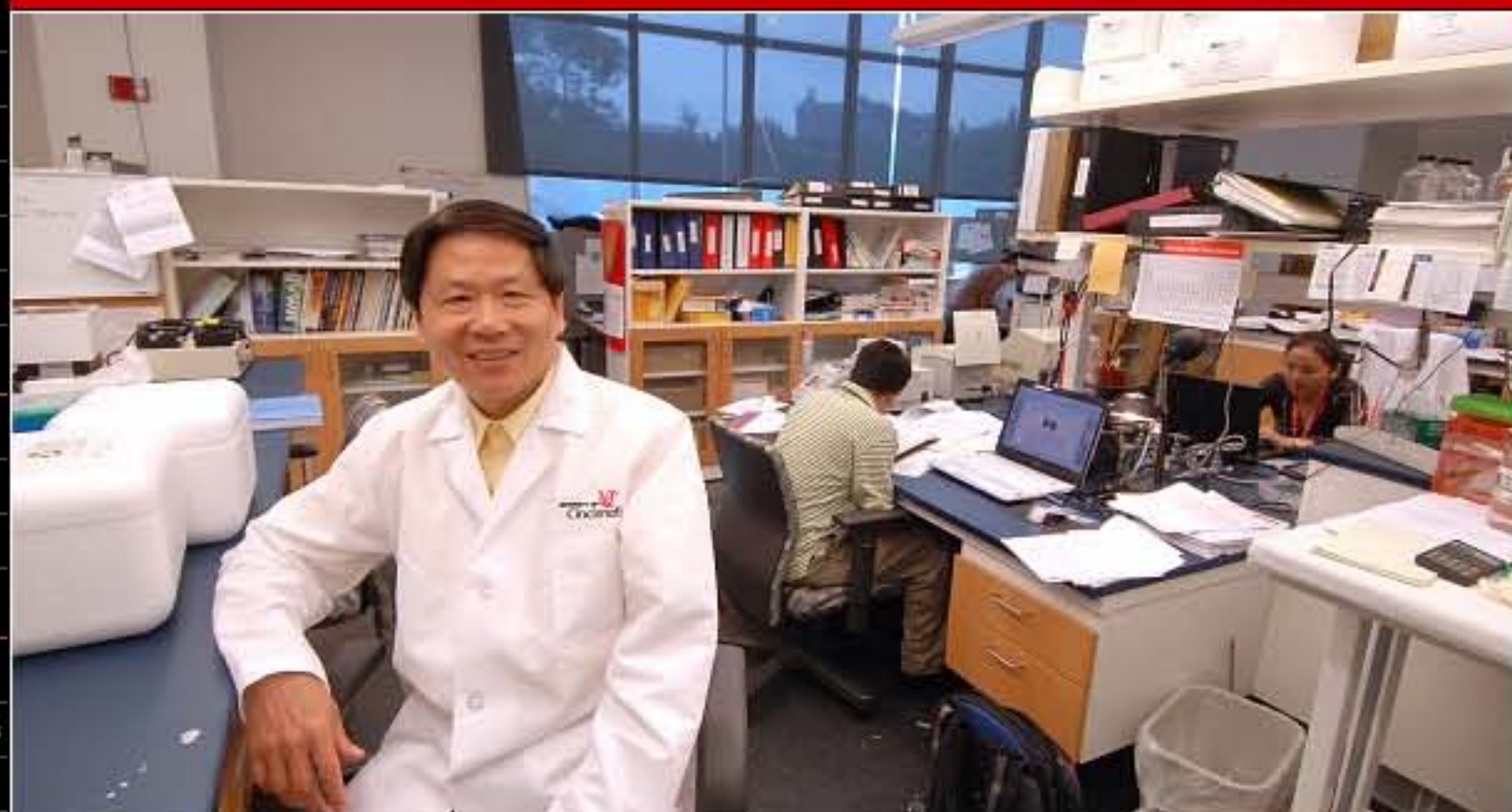


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Peixuan Guo, PhD is the Director of the NIH Nanomedicine Development Center at University of Cincinnati

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UC Team Finds Stable RNA Nano-Scaffold Within Virus Core

CINCINNATI—With the discovery of a RNA nano-scaffold that remains unusually stable in the body, researchers at the University of Cincinnati (UC) have overcome another barrier to the development of therapeutic RNA nanotechnology.

In their most recent finding, Guo's team was able to make the RNA resistant to degradation, while retaining its ability to assemble into nanoparticles and form appropriate 3D structure and function.

Guo has pioneered RNA nanotechnology since 1998, when his lab discovered that RNA nanoparticles in the bacteriophage phi29 virus can be constructed by self-assembly using re-engineered fragments to gear a nanomotor to power DNA into the virus protein shell.

He serves as director of UC's National Institutes of Health (NIH) Nanomedicine Development Center, and director of the Cancer Nanotechnology Platform Partnership Program at UC, funded by the National Cancer Institute.

This research was supported by the National Institute of General Medical Sciences, National Institutes of Health.

Co-authors include Dan Shu, Yi Shu and Farzin Haque at UC and Sherine Abdelmawla at Kylin Therapeutics, Inc. Guo is a co-founder of Kylin Therapeutics, Inc.

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