

# Accepted Manuscript

Localized Delivery of Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles to the Rat Brain using Focused Ultrasound

Rohit S. Mulik, Chenchen Bing, Michelle Ladouceur-Wodzak, Imalka Munaweera, Rajiv Chopra, Dr. Ian R. Corbin



PII: S0142-9612(16)00023-5

DOI: [10.1016/j.biomaterials.2016.01.021](https://doi.org/10.1016/j.biomaterials.2016.01.021)

Reference: JBMT 17297

To appear in: *Biomaterials*

Received Date: 16 October 2015

Revised Date: 30 December 2015

Accepted Date: 1 January 2016

Please cite this article as: Mulik RS, Bing C, Ladouceur-Wodzak M, Munaweera I, Chopra R, Corbin IR, Localized Delivery of Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles to the Rat Brain using Focused Ultrasound, *Biomaterials* (2016), doi: 10.1016/j.biomaterials.2016.01.021.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Localized Delivery of Low-Density Lipoprotein Docosahexaenoic Acid  
Nanoparticles to the Rat Brain using Focused Ultrasound

Rohit S. Mulik<sup>1</sup>, Chenchen Bing<sup>2</sup>, Michelle Ladouceur-Wodzak<sup>2</sup>, Imalka Munaweera<sup>2</sup>,  
Rajiv Chopra<sup>1,2</sup> and Ian R. Corbin<sup>1,3\*</sup>

<sup>1</sup>Advanced Imaging Research Center, <sup>2</sup>Radiology, <sup>3</sup>Internal Medicine, University of Texas  
Southwestern Medical Center at Dallas, Dallas, TX 75390, USA,

**Running Title:** FUS mediates LDL-DHA delivery to the rat brain

\*Correspondence should be addressed to:

Dr. Ian R. Corbin,

Advanced Imaging Research Center, 5323 Harry Hines Blvd., Dallas, Texas, 75390

Phone: 214-645-7044; Fax: 214-645-2744; E-mail: [ian.corbin@utsouthwestern.edu](mailto:ian.corbin@utsouthwestern.edu)

Download English Version:

<https://daneshyari.com/en/article/6485158>

Download Persian Version:

<https://daneshyari.com/article/6485158>

[Daneshyari.com](https://daneshyari.com)