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Reducing the Effects of Compressibility in DPD-based Blood Flow Simulations through Severe Stenotic Microchannels

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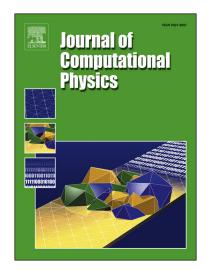
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## ACCEPTED MANUSCRIPT

Reducing the Effects of Compressibility in DPD-based Blood Flow **Simulations through Severe Stenotic Microchannels** Chao Gao<sup>1</sup>, Peng Zhang<sup>1</sup>, Gil Marom<sup>1</sup>, Yuefan Deng<sup>2</sup>, Danny Bluestein<sup>1\*</sup> <sup>1</sup>Department of Biomedical Engineering, Stony Brook University, NY 11794 <sup>2</sup>Department of Applied Mathematics and Statistics, Stony Brook University, NY 11794 \* Corresponding Author: Danny Bluestein, Ph.D. Department of Biomedical Engineering Stony Brook University HSC T15-090 Stony Brook University, NY, 11794-8151 Phone: 631-444-2156 Fax: 631-444-7530 Email: danny.bluestein@stonybrook.edu 

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