

Research at the Intersection of Biology, Physics & Engineering

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Federica Rigoldi, Stefano Donini, Alberto Redaelli, Emilio Parisini and Alfonso Gautieri APL Bioengineering 2, 011501 (2018) **DOI:** 10.1063/1.4997367

Challenges and opportunities in exosome research—Perspectives from biology, engineering, and cancer therapy

Xia Li, Alexander L. Corbett, Erfan Taatizadeh, Nishat Tasnim, Jonathan P. Little, et al. APL Bioengineering **3**, 011503 (2019) DOI: 10.1063/1.5087122

Nanostructured carriers as innovative tools for cancer diagnosis and therapy

Chiara Martinelli, Carlotta Pucci and Gianni Ciofani *APL Bioengineering* **3**, 011502 (2019) **DOI:** 10.1063/1.5079943

Review: Synthetic scaffolds to control the biochemical, mechanical, and geometrical environment of stem cell-derived brain organoids

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Review: Mechanotransduction in ovarian cancer: Shearing into the unknown

Caymen Novak, Eric Horst and Geeta Mehta APL Bioengineering 2, 031701 (2018) **DOI:** 10.1063/1.5024386

Perspective: The promise of multi-cellular engineered living systems

Roger D. Kamm, Rashid Bashir, Natasha Arora, Roy D. Dar, Martha U. Gillette, et al. APL Bioengineering 2, 040901 (2018); **DOI:** 10.1063/1.5038337

Interconnected feedback loops among ESRP1, HAS2, and CD44 regulate epithelialmesenchymal plasticity in cancer

Mohit Kumar Jolly, Bogdan-Tiberius Preca, Satyendra C. Tripathi, Dongya Jia, Jason T. George, et al.

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MRI analysis to map interstitial flow in the brain tumor microenvironment

Kathryn M. Kingsmore, Andrea Vaccari, Daniel Abler, Sophia X. Cui, Frederick H. Epstein, Russell C. Rockne, Scott T. Acton and Jennifer M. Munson APL Bioengineering 2, 031905 (2018) **DOI:** 10.1063/1.5023503

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Computational study of aortic hemodynamics for patients with an abnormal aortic valve: The importance of secondary flow at the ascending aorta inlet

S. Pirola, O. A. Jarral, D. P. O'Regan, G. Asimakopoulos, J. R. Anderson, et al. APL Bioengineering 2, 026101 (2018) **DOI:** 10.1063/1.5011960

