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COVER STORY

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Bioink-guided spatio-temporal gene delivery for tissue engineering

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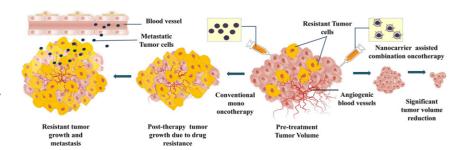
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Shruti Rawal, Mayur M. Patel

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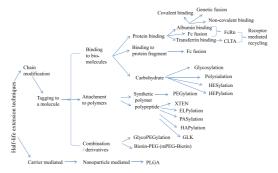


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Rahela Zamana, Rowshan Ara Islama, Nabilah Ibnata, Iekhsan Othmana, Anuar Zainia, Chooi Yeng Leeb, Ezharul Hoque Chowdhurya

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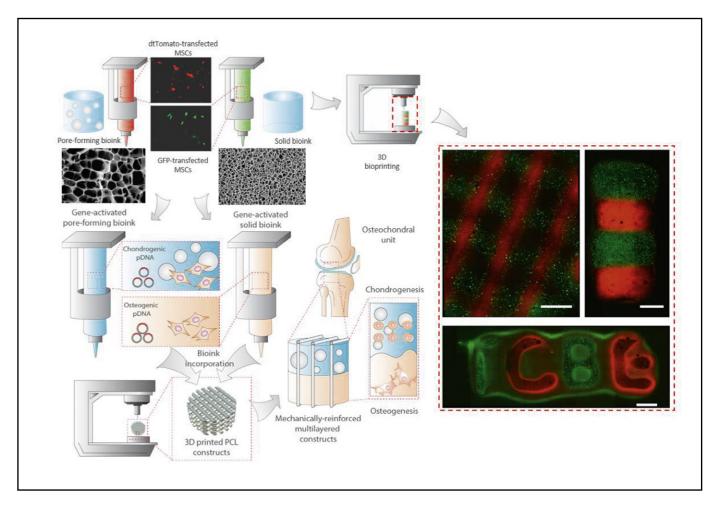




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COVER STORY

Bioink-guided spatio-temporal gene delivery for tissue engineering

The Journal of Controlled Release (JCR) publishes high-quality research articles in the broad field of delivery science and technology. This includes drug delivery systems and all aspects of formulations, such as physicochemical and biological properties of drugs, design and characterization of dosage forms, release mechanisms, in vivo testing, and formulation research and development in the disciplines of pharmaceutical, diagnostic, agricultural, environmental, cosmetic, and food industries. Manuscripts that advance fundamental understanding of principles and/or demonstrate advantages of novel technologies in safety and efficacy over current clinical standards will be given priority. Each issue has the cover story highlighting the significance of a selected article published in the issue. At the end of each quarter, the JCR editors select "The Editors' Choice" from the published research articles.

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RESEARCH PAPERS

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Pore-forming bioinks to enable spatio-temporally defined gene delivery in bioprinted tissues

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Tumor-specific macrophage targeting through recognition of retinoid X receptor beta

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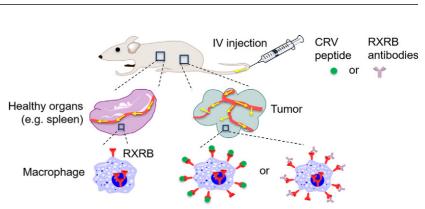
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Combining vascular targeting and the local first pass provides 100-fold higher uptake of ICAM-1-targeted vs untargeted nanocarriers in the inflamed brain

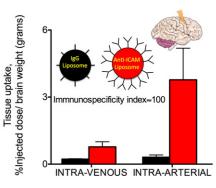
Oscar A. Marcos-Contreras^a, Jacob S. Brenner^a, Raisa Y. Kiseleva^a, Viviana Zuluaga-Ramirez^c, Colin F. Greineder^a, Carlos H. Villa^a, Elizabeth D. Hood^a, Jacob W. Myerson^a, Silvia Muro^b, Yuri Persidsky^c, Vladimir R. Muzykantov^a

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Combining vascular targeting and the local first pass provides 100-fold higher uptake of ICAM-1-targeted vs untargeted nanocarriers in the inflamed brain



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