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Cover
See Amalendu P. Ranjan, Alejandro Castellanos-Gonzalez, Karen S. Anderson *et al.*, pp. 963–975.

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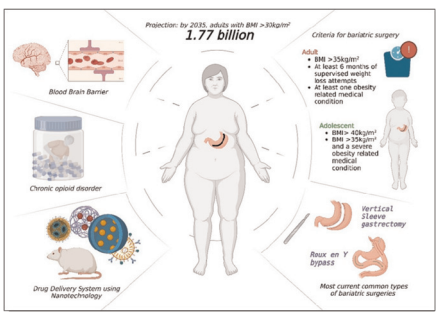
A. E. Avanu, A. M. Ciubotariu, A. M. Ciornei, A. D. Cozmîncă and G. Dodi*



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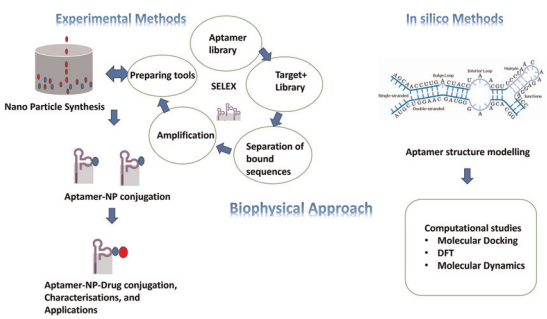
A comprehensive investigation of the biophysical approach for aptamer functionalized nanoparticles in cancer therapy: a review

Alanthatta Govindan Navaneeth and Subramani Karthikeyan*



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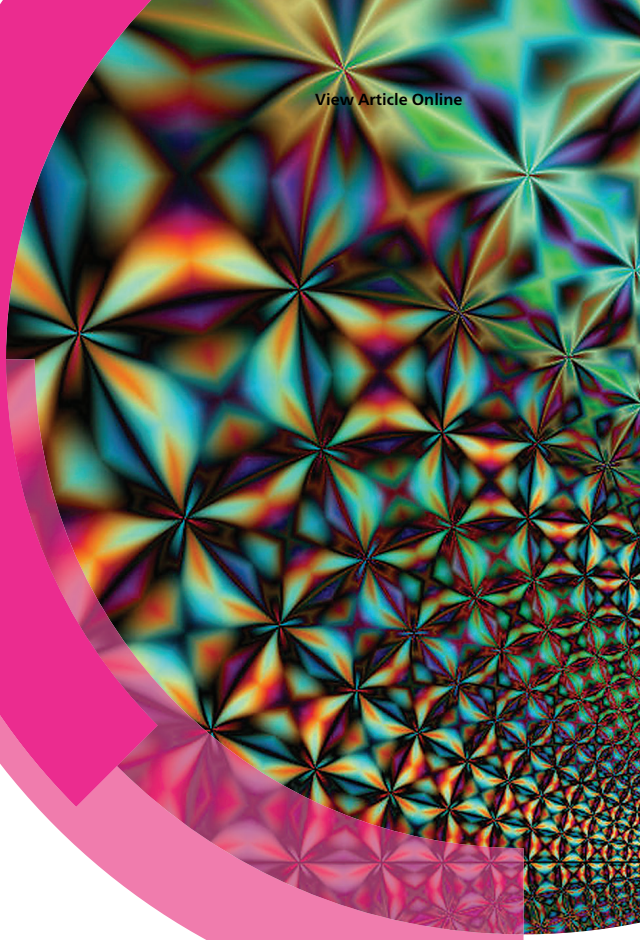

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REVIEWS

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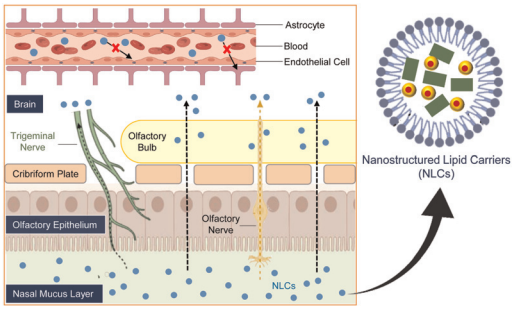
Insight into central nervous system targeted nanostructured lipid carriers *via* the nose to brain pathway

Mridusmita Das, Anupam Sarma,* Himakshi Baruah and Debojeet Basak



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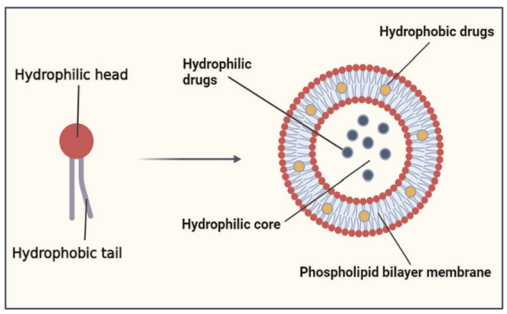
Advances in liposomal nanotechnology: from concept to clinics

Reem M. Senjab, Nour AlSawaftah, Waad H. Abuwatfa and Ghaleb A. Husseini*



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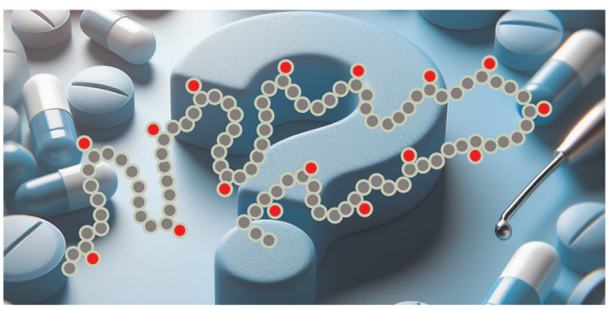
Reconceptualising mucoadhesion for future medicines

Michael T. Cook* and David Shorthouse



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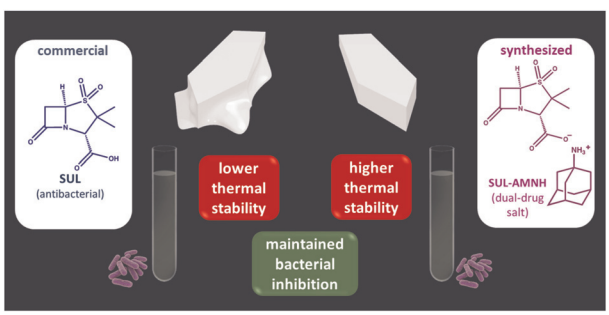
Increased thermal stability and retained antibacterial properties in a sulbactam and amantadine salt: towards effective antibacterial–antiviral combination therapies

Josephine Bicknell, Ivan Bondarenko, Alice Colatrella, Elani J. Cabrera-Vega, Jesus Daniel Loya, Delbert S. Botes, Jay L. Mellies* and Gonzalo Campillo-Alvarado*



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PAPERS

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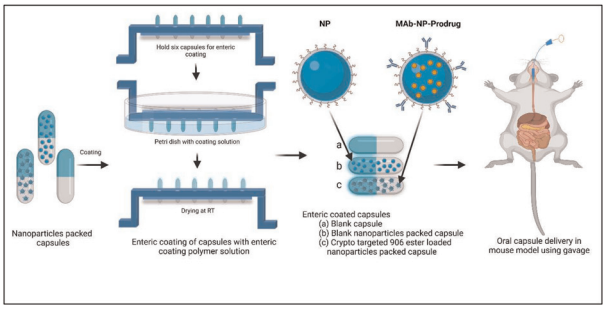

Prodrug nanotherapy demonstrates *in vivo* anticryptosporidial efficacy in a mouse model of chronic *Cryptosporidium* infection

Amalendu P. Ranjan,* Daniel J. Czyzyk, Griselle Martinez-Traverso, Aygul Sadiqova, Margarita Valhondo, Deborah A. Schaefer, Krasimir A. Spasov, William L. Jorgensen, Jamboor K. Vishwanatha, Michael W. Riggs, Alejandro Castellanos-Gonzalez* and Karen S. Anderson*

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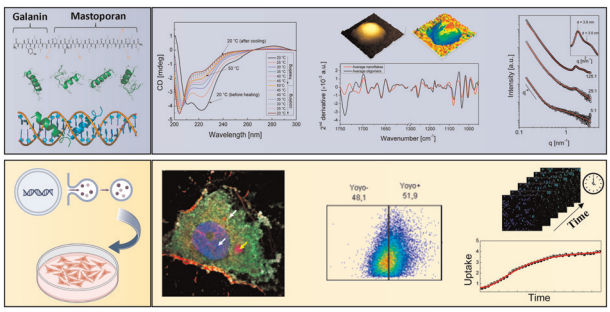

Structure–activity relationships of DNA nanocarriers based on the amphipathic cell penetrating peptide transportan 10

Lucas Rodrigues de Mello, Tâmisa Seeko Bandeira Honda, Sang Won Han, Valeria Castelletto, Ian William Hamley, Ly Porosk, Ülo Langel and Emerson Rodrigo da Silva*

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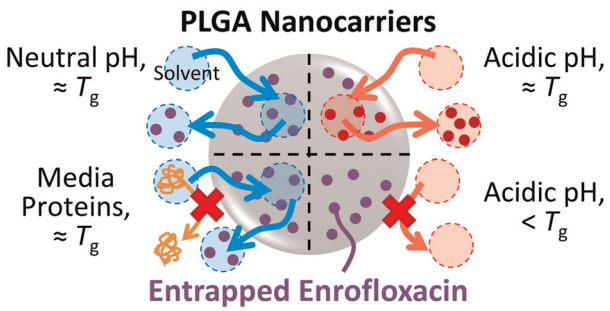

Evaluation of drug release from polymeric nanoparticles in simulated saliva and gastric media by asymmetric flow field–flow fractionation (AF4)

Haoran Wu, Alaia Homawoo, Saba Shariati, Carlos E. Astete, Debora F. Rodrigues, Cristina M. Sabliov, Elham H. Fini and Stacey M. Louie*

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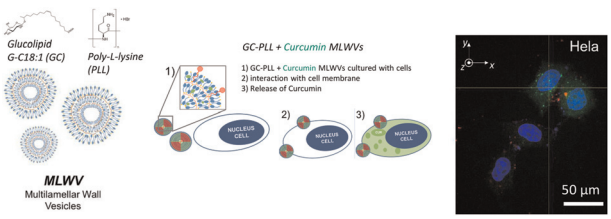

Multilamellar nanovectors composed of microbial glycolipid–polylysine complexes for drug encapsulation

Silvia Alonso-de-Castro, Sergio Oliveira Formoso, Chloé Seyrig, Korin Ozkaya, Julien Dumont, Luisa Riancho, Javier Perez, Christophe Hélary* and Niki Baccile*

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PAPERS

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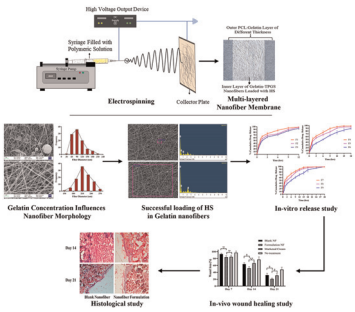
Heparin sodium enriched gelatin/polycaprolactone based multi-layer nanofibrous scaffold for accelerated wound healing in diabetes

Madhukiran R. Dhondale, Manjit Manjit, Abhishek Jha, Manish Kumar, Kanchan Bharti, Dinesh Kumar and Brahmeshwar Mishra*



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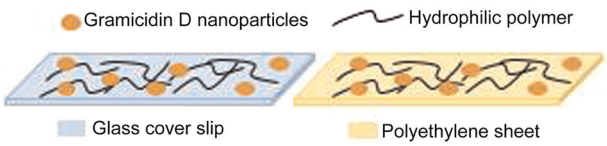
Livia Cestaro de Souza Camargo, Bianca Reche Bazan, Rodrigo Tadeu Ribeiro, Giovanna Maruyama Quinto, Andrea Caroline Bazzan Muniz and Ana Maria Carmona-Ribeiro*



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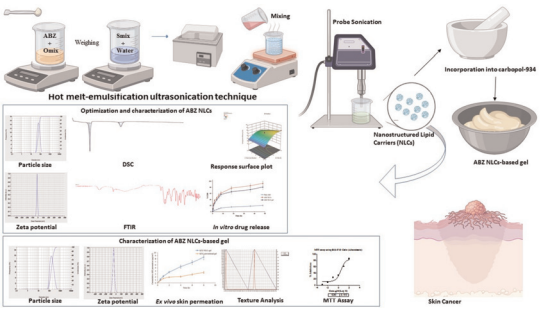
Optimized albendazole-loaded nanostructured lipid carrier gel: a redefined approach for localized skin cancer treatment

Chinmayee Khot, Kaustubh Kolekar, Swati Dabhole, Akshay Mohite, Sameer Nadaf, Popat S. Kumbhar* and John Disouza*



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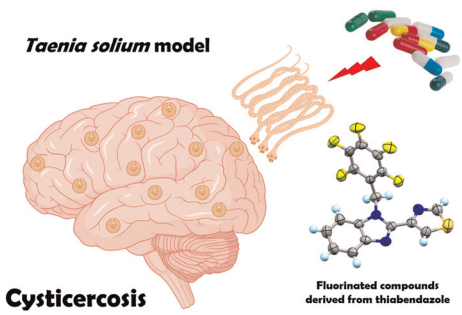
Effect of fluorine substituents in 4-(1-benzyl-1*H*-benzo[*d*]imidazol-2-yl)thiazole for the study of antiparasitic treatment of cysticercosis on a *Taenia crassiceps* model

Monserrath I. Rodríguez-Mora, Raúl Colorado-Peralta, Viviana Reyes-Márquez, Marco A. García-Eleno, Erick Cuevas-Yáñez, Jesús R. Parra-Unda, Abraham Landa and David Morales-Morales*



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