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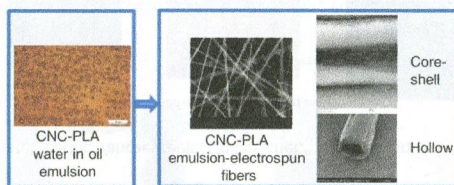
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Articles

3801

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Effects of Emulsion Droplet Size on the Structure of Electrospun Ultrafine Biocomposite Fibers with Cellulose Nanocrystals
Yingjie Li, Frank K. Ko,* and Wadood Y. Hamad*



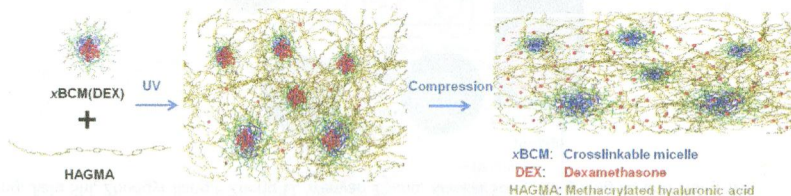
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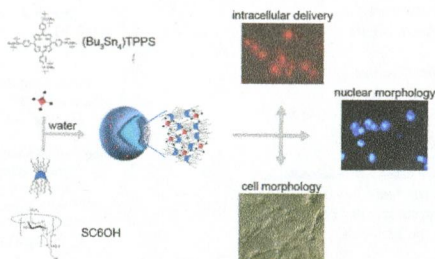
Hyaluronic Acid-Based Hydrogels Containing Covalently Integrated Drug Depots: Implication for Controlling Inflammation in Mechanically Stressed Tissues

Longxi Xiao, Zhixiang Tong, Yingchao Chen, Darrin J. Pochan, Chandran R. Sabanayagam,* and Xinqiao Jia*



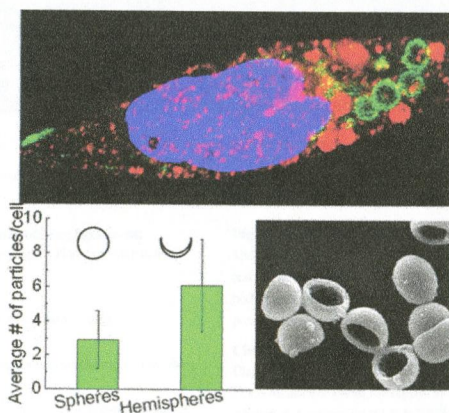
Supramolecular Assemblies Based on Complexes of Nonionic Amphiphilic Cyclodextrins and a *meso*-Tetra(4-sulfonatophenyl)porphine Tributyltin(IV) Derivative: Potential Nanotherapeutics against Melanoma

Antonino Mazzaglia,* Maria Luisa Bondi, Angela Scala, Francesca Zito, Giovanna Barbieri, Francesco Crea, Giuseppina Vianelli, Placido Mineo, Tiziana Fiore, Claudia Pellerito, Lorenzo Pellerito, and Maria Assunta Costa*



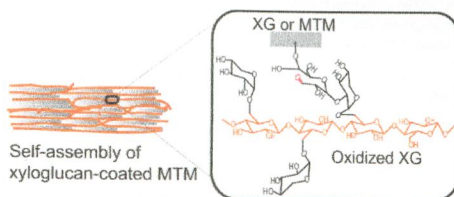
Biocompatible Shaped Particles from Dried Multilayer Polymer Capsules

Jun Chen, Veronika Kozlovskaya, Allison Goins, Javier Campos-Gomez, Mohammad Saeed, and Eugenia Kharlampieva*



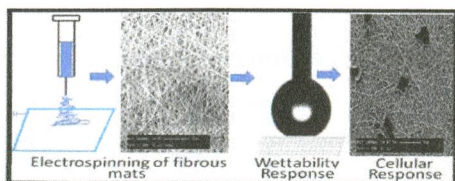
Nacre-Mimetic Clay/Xyloglucan Bionanocomposites: A Chemical Modification Route for Hygromechanical Performance at High Humidity

Joby J. Kochumalayil, Seira Morimune, Takashi Nishino, Olli Ikkala, Andreas Walther, and Lars A. Berglund*



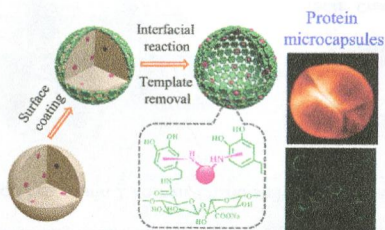
Near Superhydrophobic Fibrous Scaffold for Endothelialization: Fabrication, Characterization and Cellular Activities

Furqan Ahmed, Namita Roy Choudhury,* Naba K. Dutta, Andrew Zannettino, and Robert Knott



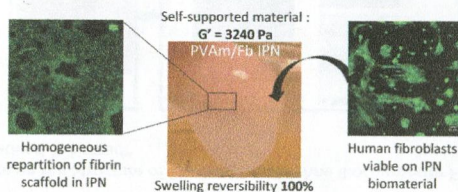
Preparation of Ultrathin, Robust Protein Microcapsules through Template-Mediated Interfacial Reaction between Amine and Catechol Groups

Xiaoli Wang, Jiafu Shi, Zhongyi Jiang,* Zheng Li, Wenyan Zhang, Xiaokai Song, Qinghong Ai, and Hong Wu



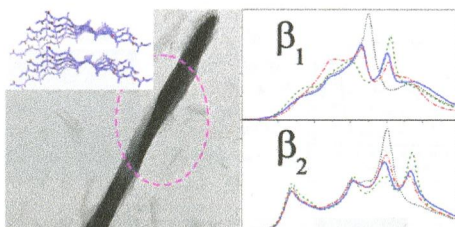
Self-Supported Fibrin-Polyvinyl Alcohol Interpenetrating Polymer Networks: An Easily Handled and Rehydratable Biomaterial

Laurent Bidault, Marie Deneufchattel, Cédric Vancaeyzeele, Odile Fichet,* and Véronique Larreta-Garde



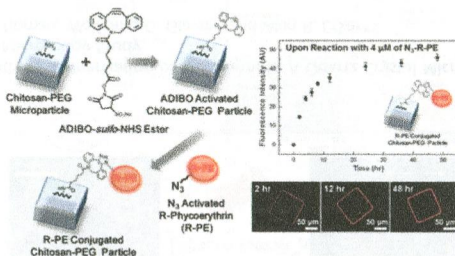
Insight into the Packing Pattern of β_2 Fibrils: A Model Study of Glutamic Acid Rich Oligomers with ^{13}C Isotopic Edited Vibrational Spectroscopy

Heng Chi, William R. W. Welch, Jan Kubelka, and Timothy A. Keiderling*



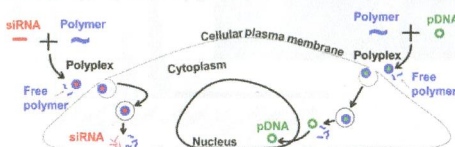
Facile Strategy for Protein Conjugation with Chitosan-Poly(ethylene glycol) Hybrid Microparticle Platforms via Strain-Promoted Alkyne-Azide Cycloaddition (SPAAC) Reaction

Sukwon Jung and Hyunmin Yi*



Highlighting the Role of Polymer Length, Carbohydrate Size, and Nucleic Acid Type in Potency of Glycopolycation Agents for pDNA and siRNA Delivery

Lian Xue, Nilesh P. Ingle, and Theresa M. Reineke*

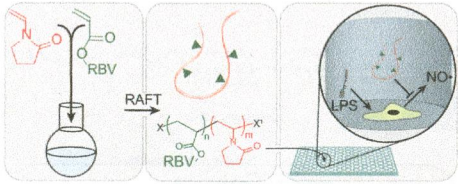


3916 **S**

[dx.doi.org/10.1021/bm401048s](https://doi.org/10.1021/bm401048s)

Narrow Therapeutic Window of Ribavirin as an Inhibitor of Nitric Oxide Synthesis is Broadened by Macromolecular Prodrugs

Benjamin M. Wohl, Anton A. A. Smith, Mille B. L. Kryger, and Alexander N. Zelikin*

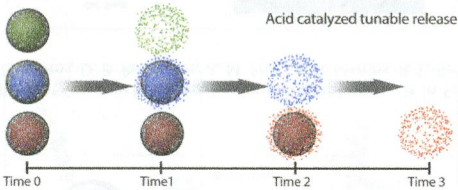


3927 **S**

[dx.doi.org/10.1021/bm401050j](https://doi.org/10.1021/bm401050j)

Tunable Protein Release from Acetalated Dextran Microparticles: A Platform for Delivery of Protein Therapeutics to the Heart Post-MI

Sophia Suarez, Gregory N. Grover, Rebecca L. Braden, Karen L. Christman,* and Adah Almutairi*

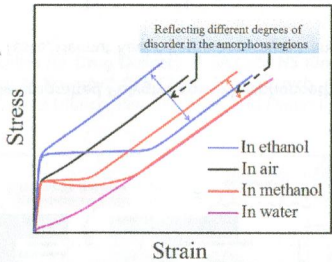


3936 **S**

[dx.doi.org/10.1021/bm401056x](https://doi.org/10.1021/bm401056x)

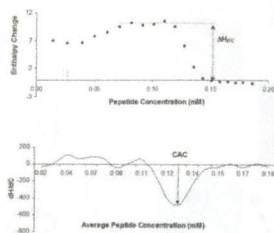
Using Solvents with Different Molecular Sizes to Investigate the Structure of *Antheraea Pernyi* Silk

Yu Wang, David Porter, and Zhengzhong Shao*



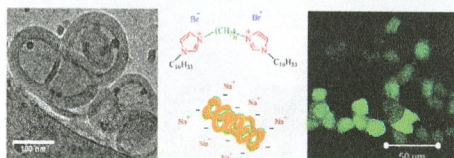
Toward a Mechanistic Understanding of Ionic Self-Complementary Peptide Self-Assembly: Role of Water Molecules and Ions

Maryam Kabiri, Ibraheem Bushnak, Mark T. McDermot, and Larry D. Unsworth*



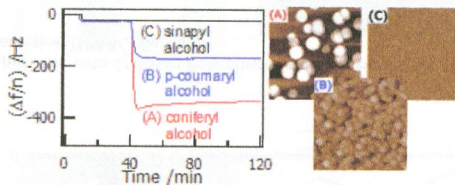
Effects of a Delocalizable Cation on the Headgroup of Gemini Lipids on the Lipoplex-Type Nanoaggregates Directly Formed from Plasmid DNA

Santosh K. Misra, Mónica Muñoz-Úbeda, Sougata Datta, Ana L. Barrán-Berdón, Clara Aicart-Ramos, Pablo Castro-Hartmann, Paturu Kondaiah, Elena Junquera, Santanu Bhattacharya,* and Emilio Aicart*



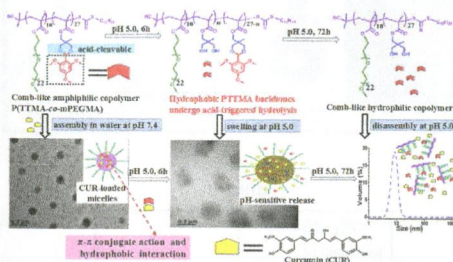
Surface-Initiated Dehydrogenative Polymerization of Monolignols: A Quartz Crystal Microbalance with Dissipation Monitoring and Atomic Force Microscopy Study

Chao Wang, Chen Qian, Maren Roman, Wolfgang G. Glasser, and Alan R. Esker*



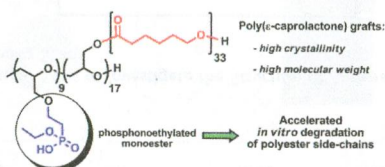
Comb-like Amphiphilic Copolymers Bearing Acetal-Functionalized Backbones with the Ability of Acid-Triggered Hydrophobic-to-Hydrophilic Transition as Effective Nanocarriers for Intracellular Release of Curcumin

Junqiang Zhao, Haiyang Wang, Jinjian Liu, Liandong Deng, Jianfeng Liu, Anjie Dong, and Jianhua Zhang*



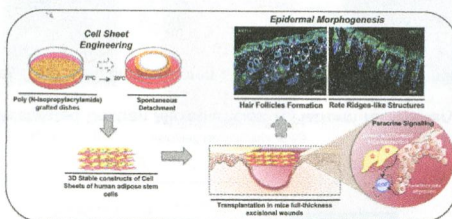
Enhanced Hydrolytic Degradation of Heterografted Polyglycidols: Phosphonoethylated Monoester and Polycaprolactone Grafts

Jens Köhler, Fabian Marquardt, Michael Teske, Helmut Keul,* Katrin Sternberg,* and Martin Möller*



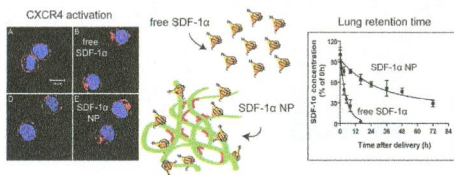
Human Adipose Stem Cells Cell Sheet Constructs Impact Epidermal Morphogenesis in Full-Thickness Excisional Wounds

M. T. Cerqueira, R. P. Pirraco, T. C. Santos, D. B. Rodrigues, A. M. Frias, A. R. Martins, R. L. Reis, and A. P. Marques*



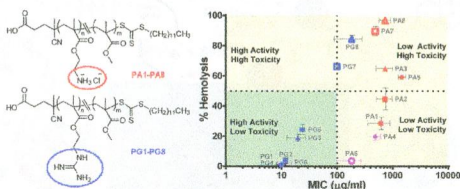
SDF-1 α in Glycan Nanoparticles Exhibits Full Activity and Reduces Pulmonary Hypertension in Rats

Tao Yin, Andrew R. Bader, Tim K. Hou, Bradley A. Maron, Derrick D. Kao, Ray Qian, Daniel S. Kohane, Diane E. Handy, Joseph Loscalzo, and Ying-Yi Zhang*



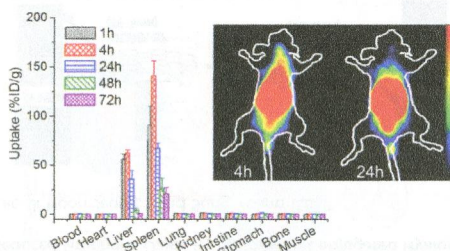
Guanylated Polymethacrylates: A Class of Potent Antimicrobial Polymers with Low Hemolytic Activity

Katherine E. S. Locock,* Thomas D. Michl, Jules D. P. Valentin, Krasimir Vasilev, John D. Hayball, Yue Qu, Ana Travençolo, Hans J. Griesser, Laurence Meagher, and Matthias Haeussler



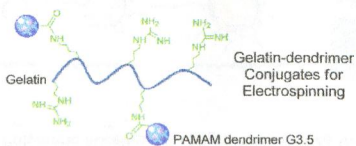
Biobehavior in Normal and Tumor-Bearing Mice of Tobacco Mosaic Virus

Man Wu, Jiyun Shi, Di Fan, Quan Zhou, Fan Wang,* Zhongwei Niu,* and Yong Huang



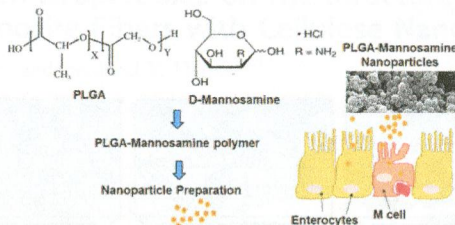
Electrospun Blends of Gelatin and Gelatin–Dendrimer Conjugates As a Wound-Dressing and Drug-Delivery Platform

Alpana A. Dongarqaonkar, Gary L. Bowlin, and Hu Yang*



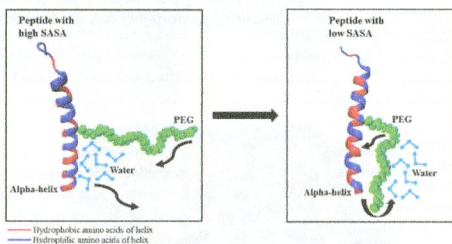
Development of PLGA-Mannosamine Nanoparticles as Oral Protein Carriers

Maria Alonso-Sande, Anne des Rieux, Virginie Fievez, Bruno Sarmiento, Araceli Delgado, Carmen Evora, Carmen Remuñán-López, Véronique Pr  at, and Maria J. Alonso*



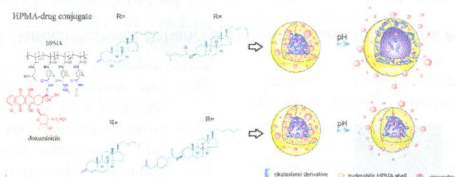
Poly(ethylene glycol) Conjugation Stabilizes the Secondary Structure of α -Helices by Reducing Peptide Solvent Accessible Surface Area

Elham Hamed, Ting Xu, and Sinan Keten*



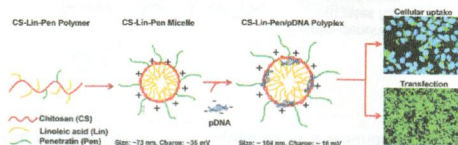
Hydrolytically Degradable Polymer Micelles for Drug Delivery: A SAXS/SANS Kinetic Study

Sergey K. Filippov,* John M. Franklin, Petr V. Konarev,* Petr Chytil, Tomas Etrych, Anna Bogomolova, Margarita Dyakonova, Christine M. Papadakis, Aurel Radulescu, Karel Ulbrich, Petr Stepanek, and Dmitri I. Svergun



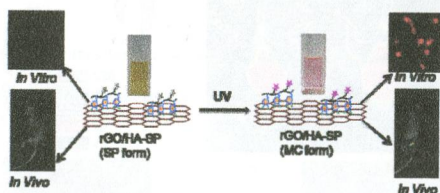
Cell Penetrating Peptide Conjugated Polymeric Micelles as a High Performance Versatile Nonviral Gene Carrier

Buddhadev Layek and Jagdish Singh*



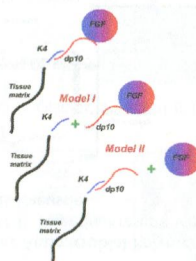
Photoresponsive Fluorescent Reduced Graphene Oxide by Spiropyran Conjugated Hyaluronic Acid for in Vivo Imaging and Target Delivery

Abdullah-Al Nahain, Jung-Eun Lee, Ji Hoon Jeong,* and Sung Young Park*



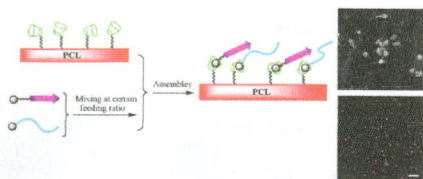
Heparin Decamer Bridges a Growth Factor and an Oligolysine by Different Charge-Driven Interactions

Burcu Baykal Minsky, Thuy V. Nguyen, Shelly R. Peyton, Igor A. Kaltashov, and Paul L. Dubin*



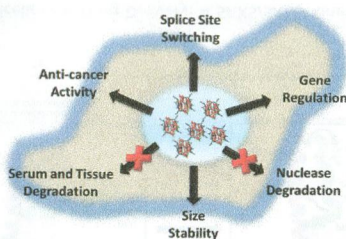
Dual Functionalization of Poly(ϵ -caprolactone) Film Surface through Supramolecular Assembly with the Aim of Promoting In Situ Endothelial Progenitor Cell Attachment on Vascular Grafts

Qing Ji, Suai Zhang, Jimin Zhang, Zhihong Wang, Jianing Wang, Yun Cui, Liyun Pang, Shufang Wang, Deling Kong, and Qiang Zhao*



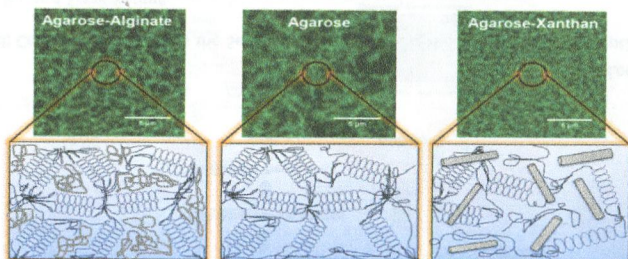
mPEG-PAMAM-G4 Nucleic Acid Nanocomplexes: Enhanced Stability, RNase Protection, and Activity of Splice Switching Oligomer and Poly I:C RNA

Juan Reyes-Reveles, Reza Sedaghat-Herati, David R. Gilley, Ashley M. Schaeffer, Kartik C. Ghosh, Thomas D. Greene, Hannah E. Gann, Wesley A. Dowler, Stephen Kramer, John M. Dean, and Robert K. Delong*



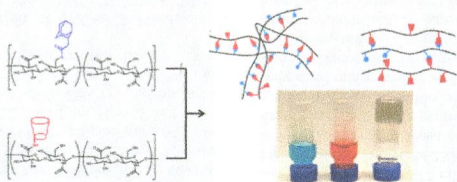
Influence of Nongelling Hydrocolloids on the Gelation of Agarose

Natalie Russ,* Birgitta I. Zielbauer, Kaloian Koynov, and Thomas A. Vilgis



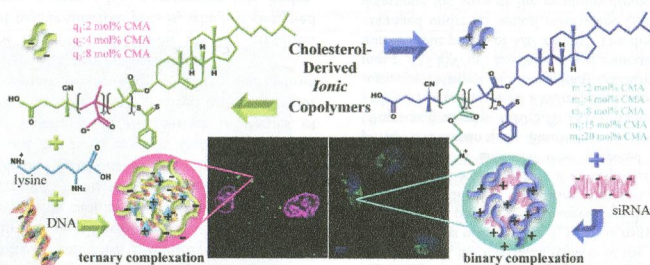
Rational Design of Network Properties in Guest–Host Assembled and Shear-Thinning Hyaluronic Acid Hydrogels

Christopher B. Rodell, Adam L. Kaminski, and Jason A. Burdick*



Assessment of Cholesterol-Derived Ionic Copolymers as Potential Vectors for Gene Delivery

Sema Sevimli, Sharon Sagnella, Maria Kavallaris, Volga Bulmus,* and Thomas P. Davis*



Achieving Micelle Control through Core Crystallinity

Lidija Glavas, Peter Olsén, Karin Odelius, and Ann-Christine Albertsson*

