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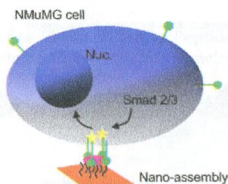
Communications

4157 

[dx.doi.org/10.1021/bm4011722](https://doi.org/10.1021/bm4011722)

Sensitization of Transforming Growth Factor- β Signaling by Multiple Peptides Patterned on DNA Nanostructures

Ronnie O. Pedersen, Elizabeth G. Lobo, and Thomas H. LaBean*



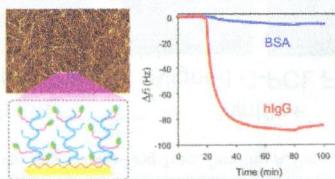
Articles

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[dx.doi.org/10.1021/bm4007979](https://doi.org/10.1021/bm4007979)

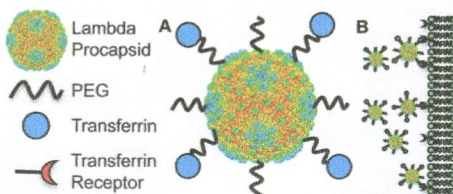
Bioactive Cellulose Nanofibrils for Specific Human IgG Binding

Yanxia Zhang,* Ruben G. Carbonell, and Orlando J. Rojas*



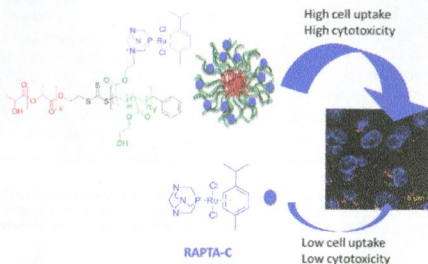
Lysine Addressability and Mammalian Cell Interactions of Bacteriophage λ Procapsids

Kristopher J. Koudelka, Shannon Ippoliti, Elizabeth Medina, Leah P. Shriver, Sunia A. Trauger, Carlos E. Catalano, and Marianne Manchester*



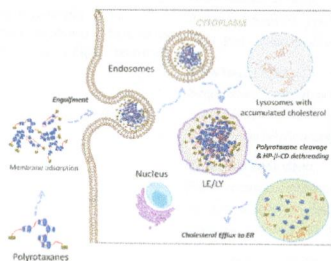
Enhanced Delivery of the RAPTA-C Macromolecular Chemotherapeutic by Conjugation to Degradable Polymeric Micelles

Bianca M. Blunden, Hongxu Lu, and Martina H. Stenzel*

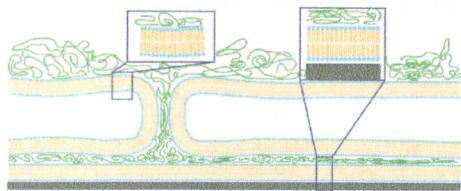


Synthesis of 2-Hydroxypropyl- β -cyclodextrin/Pluronic-Based Polyrotaxanes via Heterogeneous Reaction as Potential Niemann-Pick Type C Therapeutics

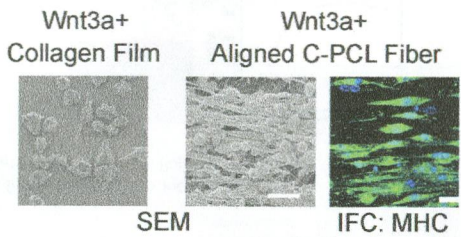
Yawo A. Mondjinou, Leslie A. McCauliff, Aditya Kulkarni, Lake Paul, Seok-Hee Hyun, Zhaorui Zhang, Zhen Wu, Mary Wirth, Judith Storch, and David H. Thompson*



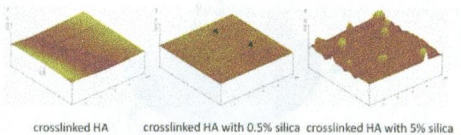
Hyaluronan and Phospholipid Association in Biolubrication
Min Wang, Chao Liu, Esben Thormann, and Andra Dédinaïté*



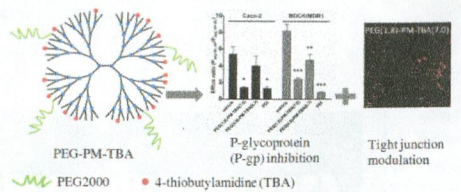
Nanofiber-Based in Vitro System for High Myogenic Differentiation of Human Embryonic Stem Cells
Matthew Leung, Ashleigh Cooper, Soumen Jana, Ching-Ting Tsao, Timothy A. Petrie, and Miqin Zhang*



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Dual-Functionalized PAMAM Dendrimers with Improved P-Glycoprotein Inhibition and Tight Junction Modulating Effect
Yuanjie Liu and Gigi N. C. Chiu*



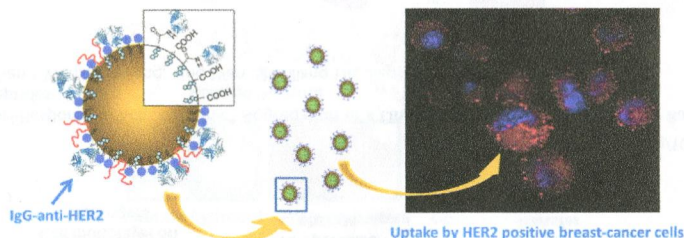
Injectable, High Modulus, And Fatigue Resistant Composite Scaffold for Load-Bearing Soft Tissue Regeneration

James W. S. Hayami, Stephen D. Waldman, and Brian G. Amsden*



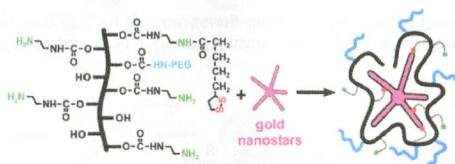
Synthesis and Characterization of Lipid Immuno-Nanocapsules for Directed Drug Delivery: Selective Antitumor Activity against HER2 Positive Breast-Cancer Cells

Paola Sánchez-Moreno, Juan Luis Ortega-Vinuesa, Houria Boulaiz, Juan Antonio Marchal, and José Manuel Peula-García*

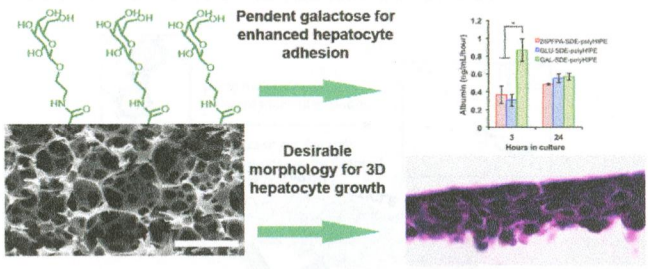


Amphiphilic Copolymers Based on Poly[(hydroxyethyl)-D,L-aspartamide]: A Suitable Functional Coating for Biocompatible Gold Nanostars

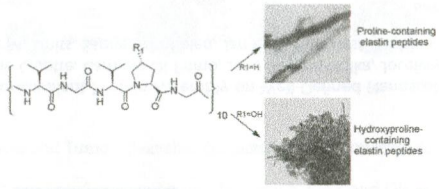
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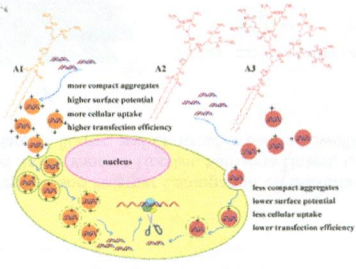
Galactose-Functionalized PolyHIPE Scaffolds for Use in Routine Three Dimensional Culture of Mammalian Hepatocytes
Adam S. Hayward, Ahmed M. Eissa, Daniel J. Maltman, Naoko Sano, Stefan A. Przyborski,* and Neil R. Cameron*



Investigating the Role of (2S,4R)-4-Hydroxyproline in Elastin Model Peptides
Brigida Bochicchio, Alessandro Laurita, Andrea Heinz, Christian E. H. Schmelzer, and Antonietta Pepe*

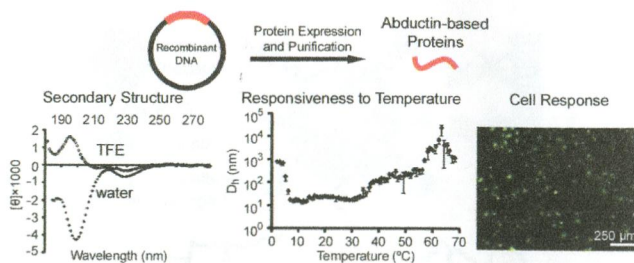


Cationic Dendron-Bearing Lipids: Investigating Structure–Activity Relationships for Small Interfering RNA Delivery
Yu Zhang, Jie Chen, Chunsheng Xiao, Mingqiang Li, Huayu Tian, and Xuesi Chen*



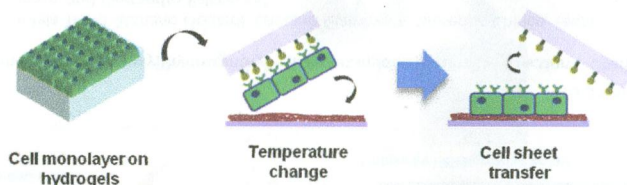
Synthesis and Characterization of Recombinant Abductin-Based Proteins

Renay S.-C. Su, Julie N. Renner, and Julie C. Liu*



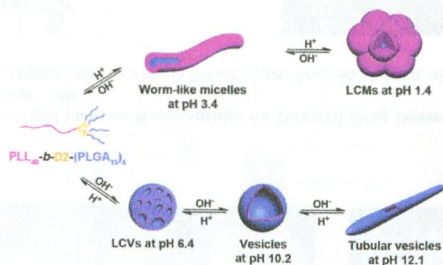
Rapid Transfer of Endothelial Cell Sheet Using a Thermosensitive Hydrogel and Its Effect on Therapeutic Angiogenesis

Seok Joo Kim, Indong Jun, Dong Wan Kim, Yu Bin Lee, Young Jun Lee, Ji-Hye Lee, Ki Dong Park, Hansoo Park,* and Heungsoo Shin*



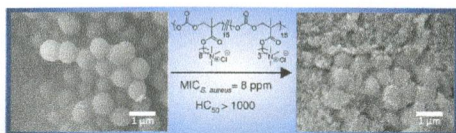
Synthesis and pH-Responsive "Schizophrenic" Aggregation of a Linear-Dendron-Like Polyampholyte Based on Oppositely Charged Polypeptides

Lili Chen, Tao Chen,* Wenxiang Fang, Ying Wen, Shaoliang Lin, Jiaping Lin,* and Chunhua Cai



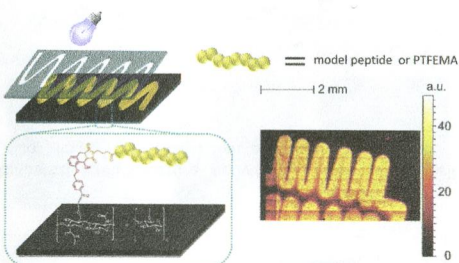
Antimicrobial Polycarbonates: Investigating the Impact of Balancing Charge and Hydrophobicity Using a Same-Centered Polymer Approach

Amanda C. Engler, Jeremy P. K. Tan, Zhan Yuin Ong, Daniel J. Coady, Victor W. L. Ng, Yi Yan Yang,* and James L. Hedrick*



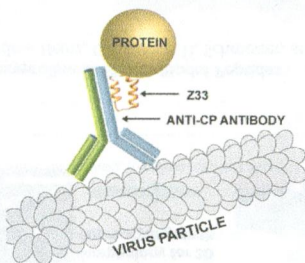
Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces

Thomas Tischer, Tanja K. Claus, Michael Bruns, Vanessa Trouillet, Katharina Linkert, Cesar Rodriguez-Emmenegger, Anja S. Goldmann, Sébastien Perrier, Hans G. Börner, and Christopher Barner-Kowollik*



General Strategy for Ordered Noncovalent Protein Assembly on Well-Defined Nanoscaffolds

Jan Pille, Daniela Cardinale, Noëlle Carette, Carmelo Di Primo, Jane Besong-Ndika, Jocelyne Walter, Hervé Lecoq, Mark B. van Eldijk, Ferdinanda C. M. Smits, Sanne Schoffelen, Jan C. M. van Hest, Kristiina Mäkinen, and Thierry Michon*

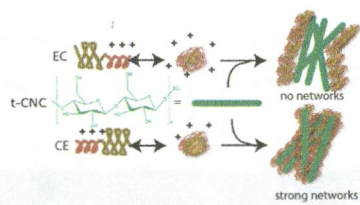


4360 **S**

[dx.doi.org/10.1021/bm401304w](https://doi.org/10.1021/bm401304w)

Bionanocomposites: Differential Effects of Cellulose Nanocrystals on Protein Diblock Copolymers

Jennifer S. Haghighpanah, Raymond Tu, Sandra Da Silva, Deng Yan, Silvana Mueller, Christoph Weder, E. Johan Foster, Iulia Sacui, Jeffery W. Gilman, and Jin Kim Montclare*

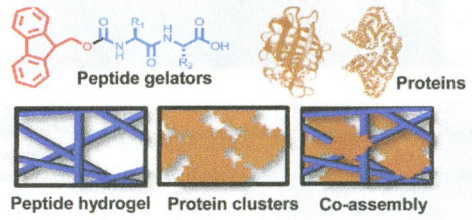


4368 **S**

[dx.doi.org/10.1021/bm401319c](https://doi.org/10.1021/bm401319c)

Cooperative Self-Assembly of Peptide Gelators and Proteins

Nadeem Javid, Sangita Roy, Mischa Zelzer, Zhimou Yang, Jan Sefcik,* and Rein V. Ulijn*

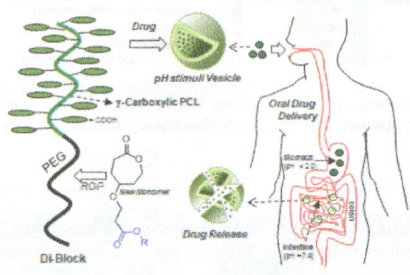


4377 **S**

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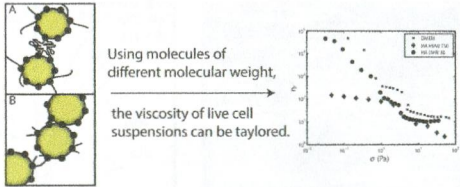
Stimuli-Responsive Poly(caprolactone) Vesicles for Dual Drug Delivery under the Gastrointestinal Tract

Bapurao Sumar and M. Jayakannan*



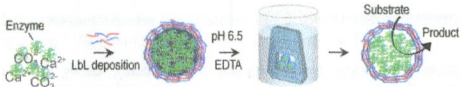
Effects of Cell Density and Biomacromolecule Addition on the Flow Behavior of Concentrated Mesenchymal Cell Suspensions

Benoît G. C. Maisonneuve, Denis C. D. Roux, Peter Thorn, and Justin J. Cooper-White*



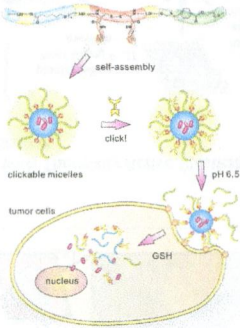
Preserving Catalytic Activity and Enhancing Biochemical Stability of the Therapeutic Enzyme Asparaginase by Biocompatible Multilayered Polyelectrolyte Microcapsules

Christos S. Karamitros, Alexey M. Yashchenok, Helmuth Möhwald, Andre G. Skirtach, and Manfred Konrad*



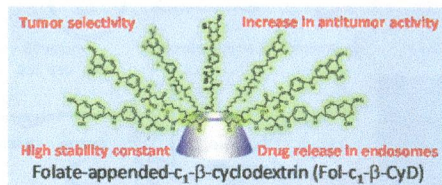
Construction of Targeting-Clickable and Tumor-Cleavable Polyurethane Nanomicelles for Multifunctional Intracellular Drug Delivery

Nijia Song, Mingming Ding, Zhicheng Pan, Jiehua Li, Lijuan Zhou, Hong Tan,* and Qiang Fu



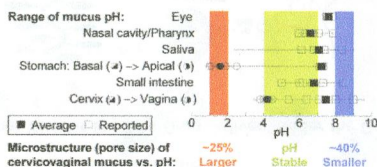
Design and Evaluation of Folate-Appended α -, β -, and γ -Cyclodextrins Having a Caproic Acid as a Tumor Selective Antitumor Drug Carrier in Vitro and in Vivo

Ayaka Okamatsu, Keiichi Motoyama, Risako Onodera, Taishi Higashi, Takahiro Koshigoe, Yasutaka Shimada, Kenjiro Hattori, Tomoko Takeuchi, and Hidetoshi Arima*



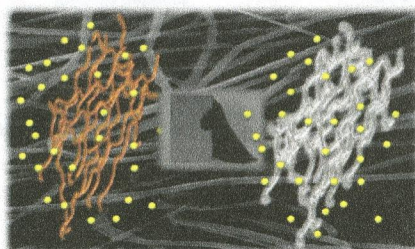
The Microstructure and Bulk Rheology of Human Cervicovaginal Mucus Are Remarkably Resistant to Changes in pH

Ying-Ying Wang, Samuel K. Lai, Laura M. Ensign, Weixi Zhong, Richard Cone, and Justin Hanes*



Fabrication, Characterization, and Evaluation in Drug Release Properties of Magnetoactive Poly(ethylene oxide)–Poly(L-lactide) Electrospun Membranes

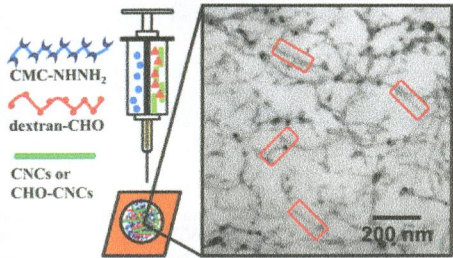
Ioanna Savva, Andreani D. Odysseos, Loucas Evaggelou, Oana Marinica, Eugeniu Vasile, Ladislau Vekas, Yiannis Sarigiannis, and Theodora Krasia-Christoforou*



4447 **S**

dx.doi.org/10.1021/bm401364z

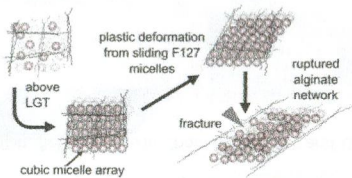
Injectable Polysaccharide Hydrogels Reinforced with Cellulose Nanocrystals: Morphology, Rheology, Degradation, and Cytotoxicity
Xuan Yang, Emilia Bakaic, Todd Hoare, and Emily D. Cranston*



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dx.doi.org/10.1021/bm401373j

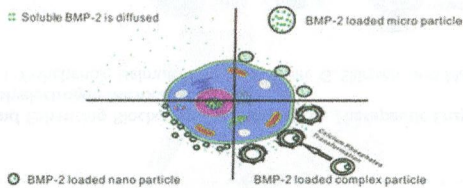
Alginate/PEO-PPO-PEO Composite Hydrogels with Thermally-Active Plasticity
Joseph C. White, Erika M. Saffer, and Surita R. Bhatia*



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Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery
Pujiang Shi, Sunny A. Abbah, Kushagra Saran, Yong Zhang, Jun Li, Hee-Kit Wong, and James C. H. Goh*

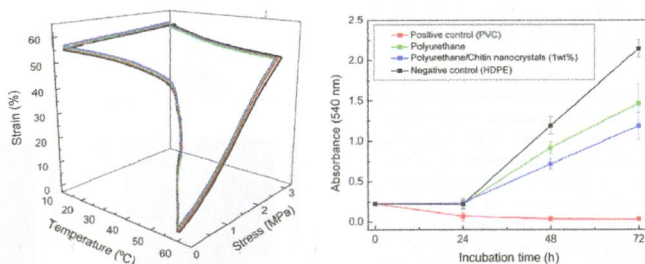


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dx.doi.org/10.1021/bm401385c

Shape-Memory Bionanocomposites Based on Chitin Nanocrystals and Thermoplastic Polyurethane with a Highly Crystalline Soft Segment

Ainara Saralegi, Susana C. M. Fernandes, Ana Alonso-Varona, Teodoro Palomares, E. Johan Foster, Christoph Weder, Arantxa Eceiza, and María Angeles Corcuera*



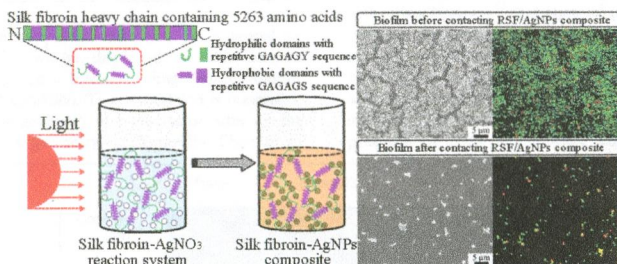
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dx.doi.org/10.1021/bm4014149

Green Synthesis of Silk Fibroin-Silver Nanoparticle Composites with Effective Antibacterial and Biofilm-Disrupting Properties

Xiang Fei, Minghui Jia, Xin Du, Yuhong Yang, Ren Zhang, Zhengzhong Shao, Xia Zhao,* and Xin Chen*

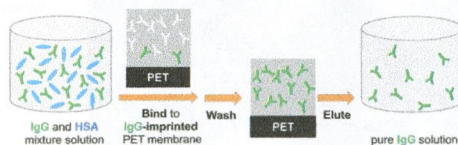


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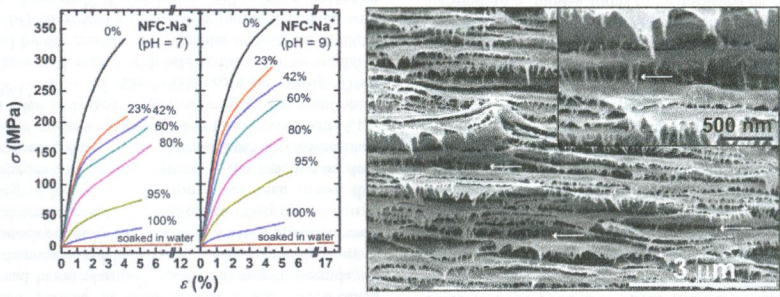
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Antibody-Imprinted Membrane Adsorber via Two-Step Surface Grafting

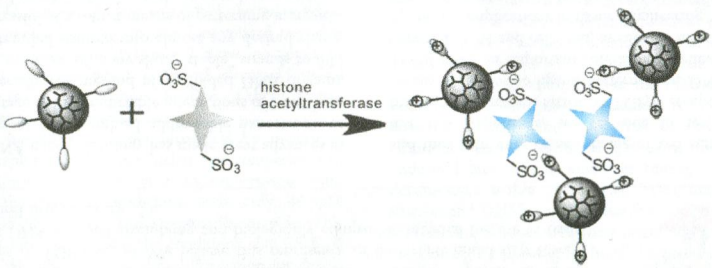
Dongxu Yin and Mathias Ulbricht*



Humidity and Multiscale Structure Govern Mechanical Properties and Deformation Modes in Films of Native Cellulose Nanofibrils
Alejandro J. Benítez, Jose Torres-Rendon, Mikko Poutanen, and Andreas Walther*



Hyperbranched Polyester-Based Fluorescent Probe for Histone Deacetylase via Aggregation-Induced Emission
Changmin Yu, Yinglong Wu, Fang Zeng,* Xizhen Li, Jianbin Shi, and Shuizhu Wu*



Notes

Amyloid-like Fibrils Formed by ϵ -Poly-L-lysine
Jingjing Lai, Cui Zheng, Dehai Liang,* and Yanbin Huang*

