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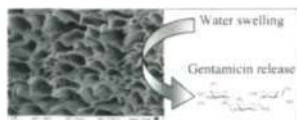
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Articles

1 **5** [dx.doi.org/10.1021/bm300814h](https://doi.org/10.1021/bm300814h)

Micro/Nanostructured Hyaluronic Acid Matrices with Tuned Swelling and Drug Release Properties

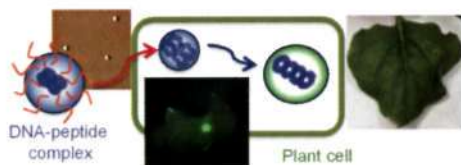
Yanina Minaberry, Diego A. Chiappetta, Alejandro Sosnik, and Matias Jobbágy*



10 **5** [dx.doi.org/10.1021/bm301275g](https://doi.org/10.1021/bm301275g)

Rapid and Efficient Gene Delivery into Plant Cells Using Designed Peptide Carriers

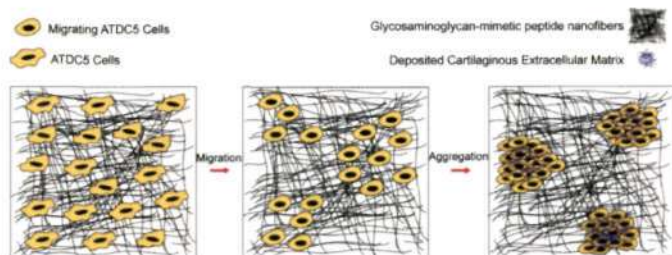
Manoj Lakshmanan, Yutaka Kodama, Takeshi Yoshizumi, Kumar Sudesh, and Keiji Numata*



17 **5** [dx.doi.org/10.1021/bm301538k](https://doi.org/10.1021/bm301538k)

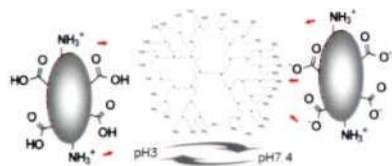
Growth and Differentiation of Prechondrogenic Cells on Bioactive Self-Assembled Peptide Nanofibers

Seher Ustun, Aysegül Tombuloglu, Murat Kilinc, Mustafa O. Guler,* and Ayse B. Tekinay*



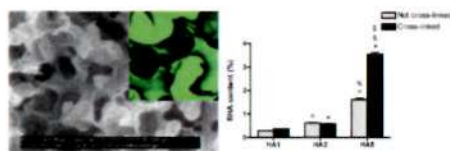
Influence of Surface Groups on Poly(propylene imine) Dendrimers Antiprion Activity

James M. McCarthy,^{*} Beatriz Rasines Moreno, Damien Filippini, Hartmut Komber, Marek Maly, Michaela Cernescu, Bernhard Brutschy, Dietmar Appelhans,^{*} and Mark S. Rogers



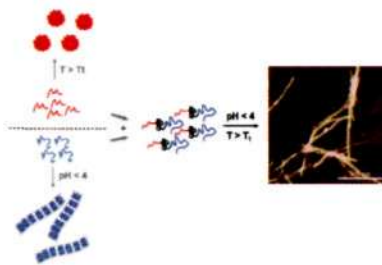
Silk Fibroin/Hyaluronic Acid 3D Matrices for Cartilage Tissue Engineering

Cristina Foss, Enrico Merzari, Claudio Migliaresi, and Antonella Motta^{*}



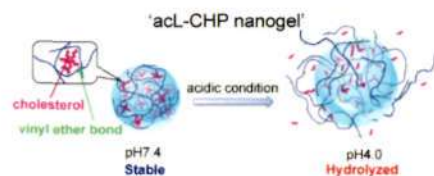
Fibril Formation by pH and Temperature Responsive Silk-Elastin Block Copolymers

Monika D. Golinska, Thao T. H. Pham,^{*} Marc W. T. Werten, Frits A. de Wolf, Martien A. Cohen Stuart, and Jasper van der Gucht



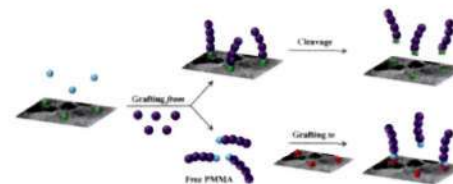
Self-Assembled pH-Sensitive Cholesteryl Pullulan Nanogel As a Protein Delivery Vehicle

Nobuyuki Morimoto, Sayaka Hirano, Haruko Takahashi, Scott Loethen, David H. Thompson,^{*} and Kazunari Akiyoshi^{*}



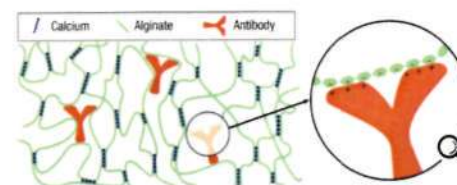
Grafting Efficiency of Synthetic Polymers onto Biomaterials: A Comparative Study of Grafting-from versus Grafting-to

Susanne Hansson, Vanessa Trouillet, Thomas Tischer, Anja S. Goldmann, Anna Carlmark, Christopher Barner-Kowollik,^{*} and Eva Malmström^{*}



Protein-Polyanion Interactions for the Controlled Release of Monoclonal Antibodies

Daniel Schweizer, Karin Schönhammer, Michael Jahn, and Achim Göpferich^{*}



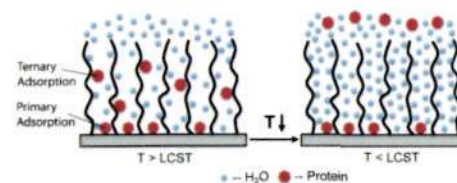
Bioinspired and Highly Oriented Clay Nanocomposites with a Xyloglucan Biopolymer Matrix: Extending the Range of Mechanical and Barrier Properties

Joby J Kochumalayil, Malin Bergensträhle-Wohlert, Simon Utsel, Lars Wägberg, Qi Zhou, and Lars A Berglund^{*}

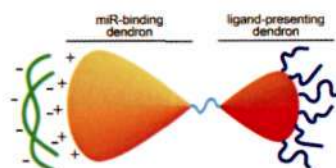


Protein Adsorption Mechanisms Determine the Efficiency of Thermally Controlled Cell Adhesion on Poly(N-isopropyl acrylamide) Brushes

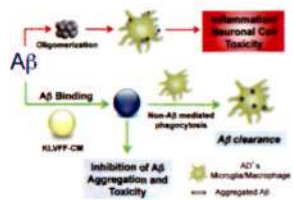
Sangwook Choi, Byung-Chan Choi, Changying Xue, and Deborah Leckband^{*}



Dendrimeric Bowties Featuring Hemispheric-Selective Decoration of Ligands for microRNA-Based Therapy
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Effective Targeting of A β to Macrophages by Sonochemically Prepared Surface-Modified Protein Microspheres
Michal Richman, Alex Perelman, Asaf Gertler, and Shai Rahimpour*

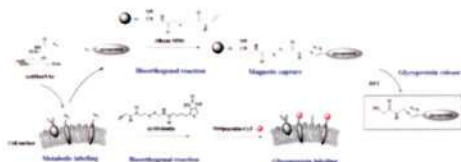


Amplified Fluorescent Sensing of DNA Using Graphene Oxide and a Conjugated Cationic Polymer
Xiao-Jing Xing, Xue-Guo Liu, Yue He, Yi Lin, Cui-Ling Zhang, Hong-Wu Tang,* and Dai-Wen Pang

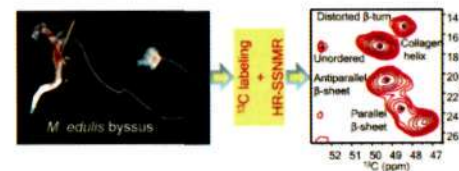


Preparation of Functionalized Alkynyl Magnetic Microspheres for the Selective Enrichment of Cell Glycoproteins Based on Click Chemistry

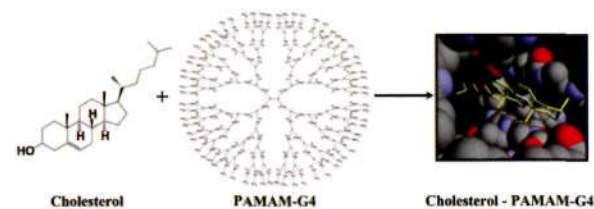
Qingxin Cui, Yuanyuan Hou, Jie Hou, Pengwei Pan, Lu-Yuan Li, Gang Bai,* and Guoan Luo



Solid-State NMR Structure Determination of Whole Anchoring Threads from the Blue Mussel *Mytilus edulis*
Alexandre A. Arnold, Frédéric Byette, Marc-Olivier Séguin-Heine, André LeBlanc, Lekha Sleno, Réjean Tremblay, Christian Pellerin, and Isabelle Marcotte*

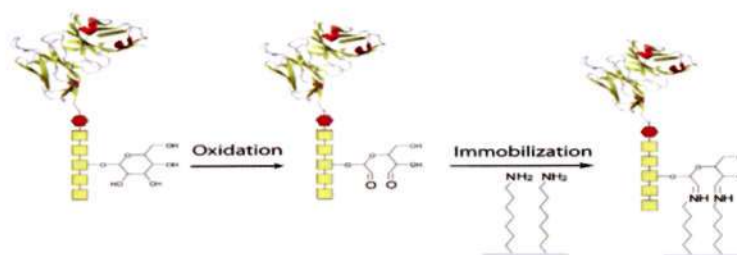


Probing the Binding of Cationic Lipids with Dendrimers
J. S. Mandeville, P. Bourassa, and H. A. Tajmir-Riahi*

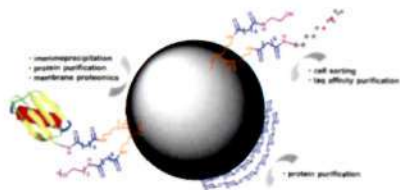


Covalent and Oriented Immobilization of scFv Antibody Fragments via an Engineered Glycan Moiety

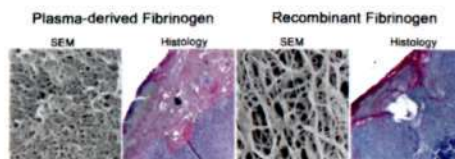
Xuejun Hu,* Maria J. Hortiguéla, Sylvain Robin, Heng Lin, Yajie Li, Anthony P. Moran, Wenxin Wang, and J. Gerard Wall*



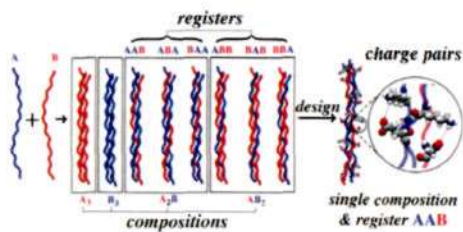
A Chemically Functionalized Magnetic Nanoplatfom for Rapid and Specific Biomolecular Recognition and Separation
Po-Chiao Lin,^{*} Ching-Ching Yu, Huan-Ting Wu, Ying-Wei Lu, Chia-Li Han, An-Kai Su, Yu-Ju Chen,^{*} and Chun-Cheng Lin^{*}



Recombinant Human Fibrinogen That Produces Thick Fibrin Fibers with Increased Wound Adhesion and Clot Density
Jennifer Calcaterra, Kevin E. Van Cott, Stephen P. Butler, Geun Cheol Gil, Marta Germano, Harrie A. van Veen, Kay Nelson, Erik J. Forsberg, Mark A. Carlson, and William H. Velander^{*}

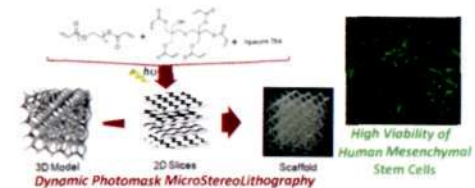


Simultaneous Control of Composition and Register of an AAB-Type Collagen Heterotrimer
Abhishek A. Jalan and Jeffrey D. Hartgerink^{*}



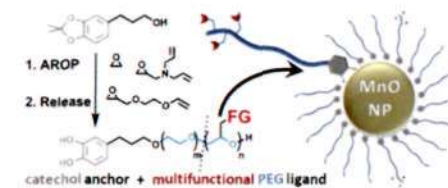
Fabrication of 3-Dimensional Cellular Constructs via Microstereolithography Using a Simple, Three-Component, Poly(Ethylene Glycol) Acrylate-Based System

Simon J. Leigh, Hamish T. J. Gilbert, Ian A. Barker, Jan M. Becker, Stephen M. Richardson, Judith A. Hoyland, James A. Covington, and Andrew P. Dove^{*}

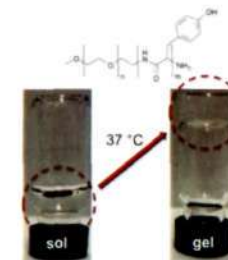


Catechol-Initiated Polyethers: Multifunctional Hydrophilic Ligands for PEGylation and Functionalization of Metal Oxide Nanoparticles

Valerie S. Wilms, Heiko Bauer, Christine Tonhauser, Anna-Maria Schilmann, Marc-Christian Müller, Wolfgang Tremel, and Holger Frey^{*}

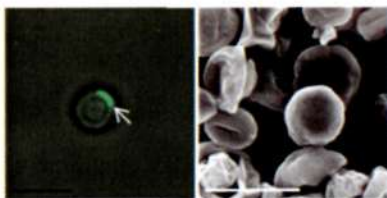


Supramolecular Hydrogels with Reverse Thermal Gelation Properties from (Oligo)tyrosine Containing Block Copolymers
Jin Huang, Conn L. Hastings, Garry P. Duffy, Helena M. Kelly, Jaclyn Raeburn, Dave J. Adams, and Andreas Heise^{*}



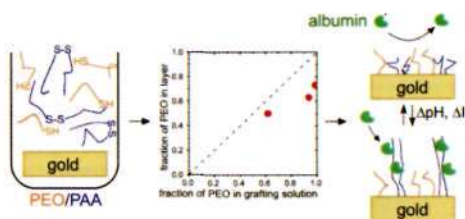
Encapsulation of Living *E. coli* Cells in Hollow Polymer Microspheres of Highly Defined Size

Jennifer Flemke, Matthias Maywald, and Volker Sieber*



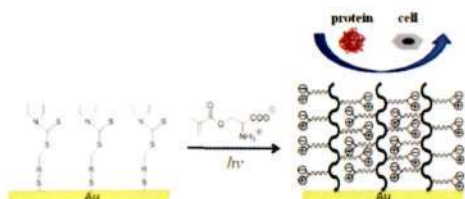
Design of Mixed PEO/PAA Brushes with Switchable Properties Toward Protein Adsorption

M. F. Delcroix, G. L. Huet, T. Conard, S. Demoustier-Champagne, F. E. Du Prez, J. Landoulsi, and C. C. Dupont-Gillain*



Amino Acid-Based Zwitterionic Poly(serine methacrylate) as an Antifouling Material

Qingsheng Liu, Anuradha Singh, and Lingyun Liu*



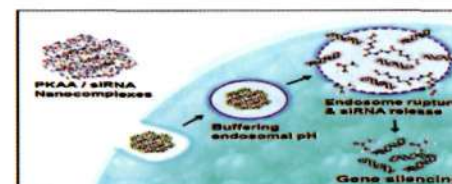
SAXS Conformational Tracking of Amylose Synthesized by Amylosucrases

P. Roblin, G. Potocki-Véronèse, D. Guieysse, F. Guerin, M.A.V. Axelos, J. Perez, and A. Buleon*



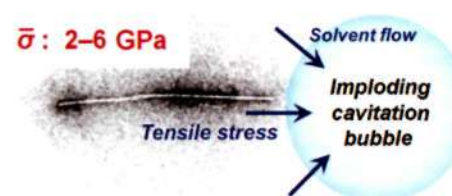
Acid-Degradable Cationic Poly(ketal amidoamine) for Enhanced RNA Interference In Vitro and In Vivo

Hyungsuk Lim, Joungyoun Noh, Yerang Kim, Hyungmin Kim, Jihye Kim, Gilson Khang, and Dongwon Lee*



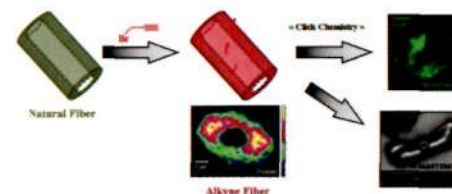
An Ultrastrong Nanofibrillar Biomaterial: The Strength of Single Cellulose Nanofibrils Revealed via Sonication-Induced Fragmentation

Tsuguyuki Saito, Ryota Kuramae, Jakob Wohlert, Lars A. Berglund,* and Akira Isogai*



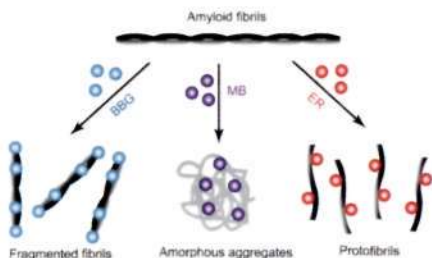
Green Nondegrading Approach to Alkyne-Functionalized Cellulose Fibers and Biohybrids Thereof: Synthesis and Mapping of the Derivatization

Gino Mangiante, Pierre Alcouffe, Béatrice Burdin, Marianne Gaborieau, Elisa Zeno, Michel Petit-Conil, Julien Bernard, Aurélie Charlot,* and Etienne Fleury*



Different Fates of Alzheimer's Disease Amyloid- β Fibrils Remodeled by Biocompatible Small Molecules

Jacob A. Irwin, H. Edward Wong, and Inchan Kwon*

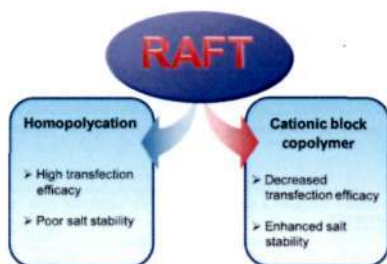


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Optimization of Brush-Like Cationic Copolymers for Nonviral Gene Delivery

Hua Wei, Joshuel A. Pahang, and Suzie H. Pun*

dx.doi.org/10.1021/bm301747r



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Effect of Various Dissolution Systems on the Molecular Weight of Regenerated Silk Fibroin

Qin Wang, Quan Chen, Yuhong Yang,* and Zhengzhong Shao*

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