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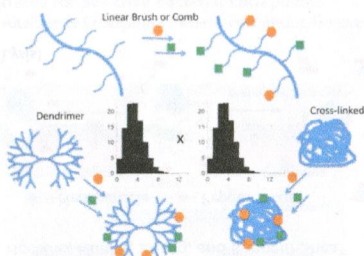
## Reviews

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[dx.doi.org/10.1021/bm500921q](https://doi.org/10.1021/bm500921q)

### Multivalent Polymers for Drug Delivery and Imaging: The Challenges of Conjugation

Mallory A. van Dongen, Casey A. Dougherty, and Mark M. Banaszak Holl\*



## Articles

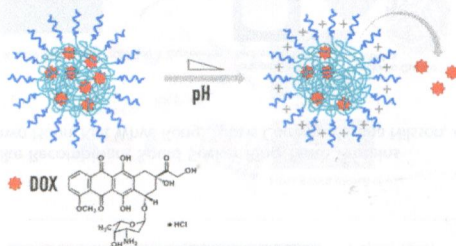
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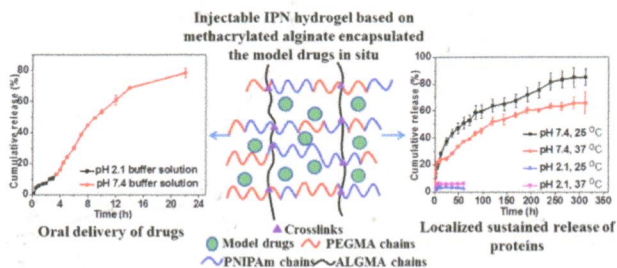
### pH-Responsive PDMS-*b*-PDMAEMA Micelles for Intracellular Anticancer Drug Delivery

Anja Car,\* Patric Baumann, Jason T. Duskey, Mohamed Chami, Nico Bruns, and Wolfgang Meier\*



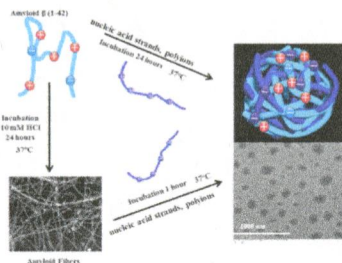
### Multifunctional Interpenetrating Polymer Network Hydrogels Based on Methacrylated Alginate for the Delivery of Small Molecule Drugs and Sustained Release of Protein

Jun Zhao, Xin Zhao, Baolin Guo,\* and Peter X. Ma\*



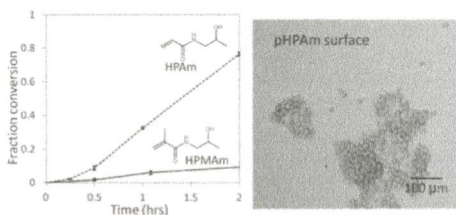
### Effect of the Interaction of the Amyloid $\beta$ (1–42) Peptide with Short Single-Stranded Synthetic Nucleotide Sequences: Morphological Characterization of the Inhibition of Fibrils Formation and Fibrils Disassembly

Jancy Nixon Abraham, Dawid Kedracki, Enora Prado, Charlotte Gourmel, Plinio Maroni, and Corinne Nardin\*



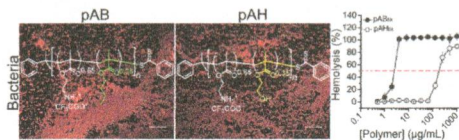
### Inhibition of Protein and Cell Attachment on Materials Generated from *N*-(2-Hydroxypropyl) Acrylamide

Benjamin D. Fairbanks,\* Helmut Thissen, George Maurdev, Paul Pasic, Jacinta F. White, and Laurence Meagher



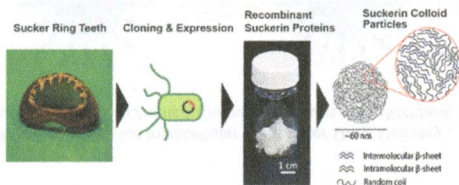
### Long Hydrophilic-and-Cationic Polymers: A Different Pathway toward Preferential Activity against Bacterial over Mammalian Membranes

Xin Yang, Kan Hu, Guantai Hu, Danyao Shi, Yunjiang Jiang, Liwei Hui, Rui Zhu, Yuntao Xie, and Lihua Yang\*



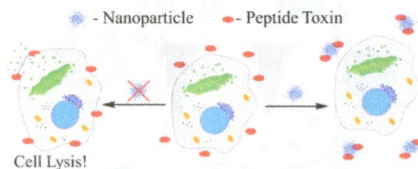
### Biomimetic Production of Silk-Like Recombinant Squid Sucker Ring Teeth Proteins

Dawei Ding, Paul A. Guerette, Shawn Hoon, Kiat Whye Kong, Tobias Cornvik, Martina Nilsson, Akshita Kumar, Julien Lescar, and Ali Miserez\*



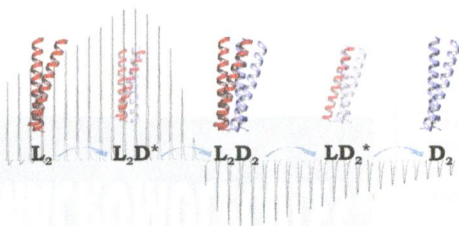
### Engineering Nanoparticle Antitoxins Utilizing Aromatic Interactions

Adam Weisman, Yingyao Allie Chen, Yu Hoshino, Huiting Zhang, and Kenneth Shea\*



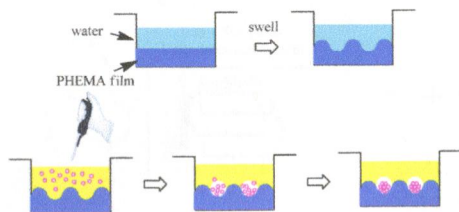
### Analysis of Selected and Designed Chimeric D- and L- $\alpha$ -Helix Assemblies

Tim Kükenshöner, Urs B. Hagemann, Daniel Wohlwend, Christina Räuber, Tobias Baumann, Sandro Keller, Oliver Einsle, Kristian M. Müller, and Katja M. Arndt\*



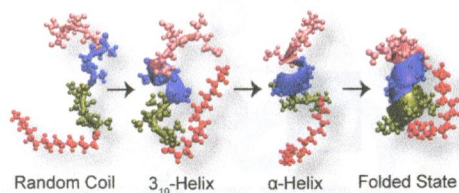
### Hydrogel Thin Film with Swelling-Induced Wrinkling Patterns for High-Throughput Generation of Multicellular Spheroids

Ziqi Zhao, Jianjun Gu, Yening Zhao, Ying Guan, X. X. Zhu, and Yongjun Zhang\*



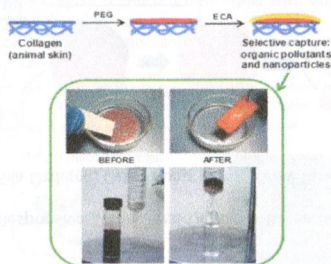
### A Tail of Two Peptide Amphiphiles: Effect of Conjugation with Hydrophobic Polymer on Folding of Peptide Sequences

Brian K. Chu, Iris W. Fu, Cade B. Markegard, Seong E. Choi, and Hung D. Nguyen\*



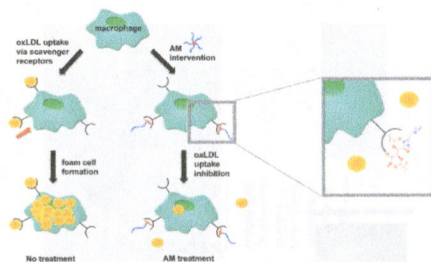
### Biodegradable Material for the Absorption of Organic Compounds and Nanoparticles

Francisco J. Ortega, Maurizio Ventre, and Paolo A. Netti\*



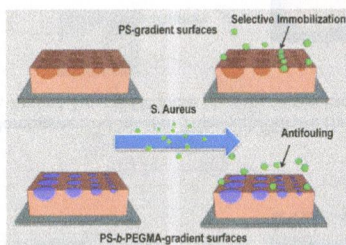
### Impact of Hydrophobic Chain Composition on Amphiphilic Macromolecule Antitherogetic Bioactivity

Allison Faig, Latrisha K. Petersen, Prabhas V. Moghe, and Kathryn E. Uhrich\*



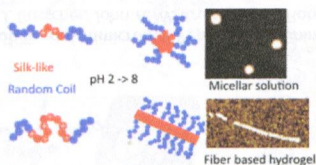
### Formation of Multigradient Porous Surfaces for Selective Bacterial Entrapment

Alberto S. de León, Adolfo del Campo, Aitziber L. Cortajarena, Marta Fernández-García, Alexandra Muñoz-Bonilla,\* and Juan Rodríguez-Hernández\*



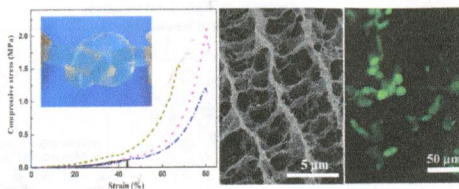
### From Micelles to Fibers: Balancing Self-Assembling and Random Coiling Domains in pH-Responsive Silk-Collagen-Like Protein-Based Polymers

Lennart H. Beun, Ingeborg M. Storm, Marc W. T. Werten, Frits A. de Wolf, Martien A. Cohen Stuart, and Renko de Vries\*



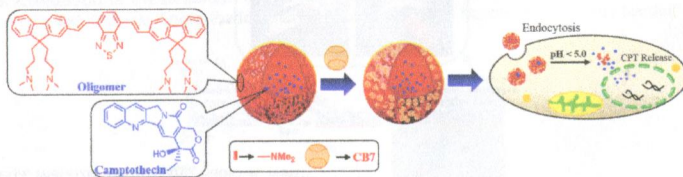
### Construction of Chitin/PVA Composite Hydrogels with Jellyfish Gel-Like Structure and Their Biocompatibility

Meng He, Zhenggang Wang, Yan Cao, Yanteng Zhao, Bo Duan, Yun Chen, Min Xu, and Lina Zhang\*



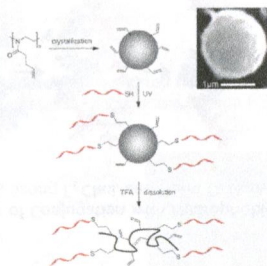
### Red Emitting, Cucurbituril-Capped, pH-Responsive Conjugated Oligomer-Based Nanoparticles for Drug Delivery and Cellular Imaging

Jousheed Pennakalathil, Ermira Jahja, E. Sila Özdemir, Özlen Konu,\* and Dönüs Tuncel\*



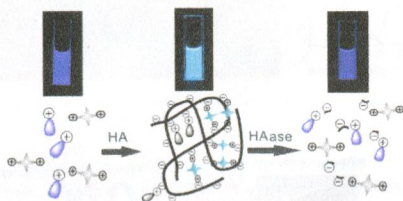
### Synthesis and Self-Assembly of a DNA Molecular Brush

Dawid Kedracki, Mahshid Chekini, Plinio Maroni, Helmut Schlaad, and Corinne Nardin\*



### Ratiometric Fluorescent Biosensor for Hyaluronidase with Hyaluronan As Both Nanoparticle Scaffold and Substrate for Enzymatic Reaction

Huafei Xie, Fang Zeng,\* and Shuizhu Wu\*

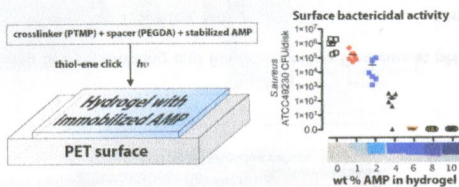


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dx.doi.org/10.1021/bm500899r

### Characterization and Activity of an Immobilized Antimicrobial Peptide Containing Bacterial PEG-Hydrogel

Rik T. C. Cleophas, Jelmer Sjollema, Henk J. Busscher, John A. W. Kruijtzter, and Rob M. J. Liskamp\*

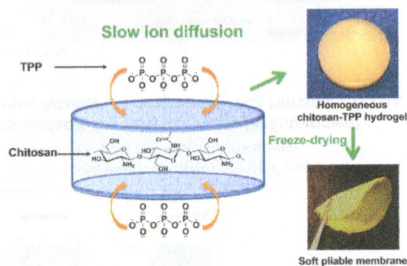


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dx.doi.org/10.1021/bm500909n

### Polysaccharide-Based Networks from Homogeneous Chitosan-Tripolyphosphate Hydrogels: Synthesis and Characterization

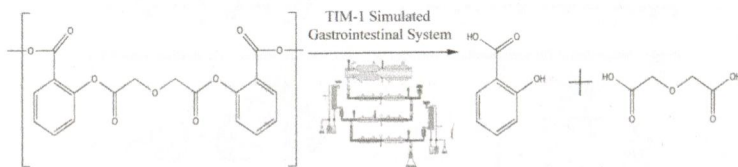
Pasquale Sacco, Massimiliano Borgogna, Andrea Travan, Eleonora Marsich, Sergio Paoletti, Fioretta Asaro, Mario Grassi, and Ivan Donati\*





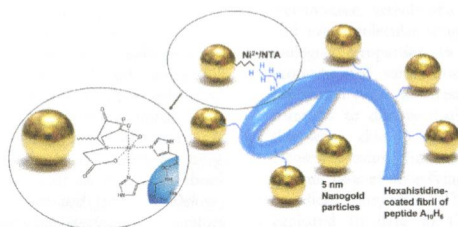
## Salicylic Acid (SA) Bioaccessibility from SA-Based Poly(anhydride-ester)

Michael A. Rogers,\* Yim-Fan Yan, Karen Ben-Elazar, Yaqi Lan, Jonathan Faig, Kervin Smith, and Kathryn E. Uhrich



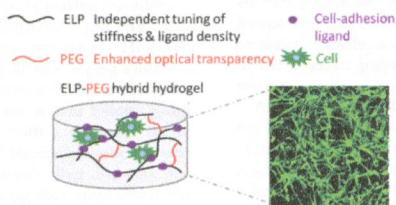
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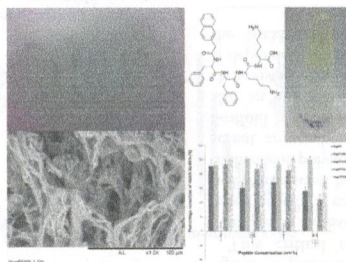
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Huiyuan Wang, Lei Cai, Alexandra Paul, Annika Enejder, and Sarah C. Heilshorn\*

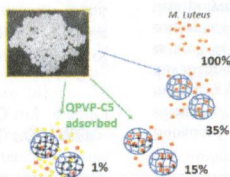


**Ultrashort Cationic Naphthalene-Derived Self-Assembled Peptides as Antimicrobial Nanomaterials**

Garry Laverty,\* Alice P. McCloskey, Brendan F. Gilmore, David S. Jones, Jie Zhou, and Bing Xu

**Multifunctional Cellulose Beads and Their Interaction with Gram Positive Bacteria**

Leandro S. Blachechen, Pedro Fardim,\* and Denise F. S. Petri\*

**Mechanistic Insights in Glycation-Induced Protein Aggregation**

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