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EDUCATIONAL BACKGROUND

1998 – 2000 *Harvard University* – Postdoctoral Fellow, Chemistry
1995 – 1998 *California Institute of Technology* – Ph.D., Chemistry
1988 – 1994 *University of Mainz* – M.Sc. (Diploma), Chemistry
1991 – 1992 *University of California, Irvine* – Exchange Student, Chemistry

RESEARCH AND PROFESSIONAL EXPERIENCE

2007 – present	<u>New York University</u> Molecular Design Institute and Department of Chemistry · Professor · Associate Professor · Associate Director, Molecular Design Institute	New York, NY 2009 – present 2007 – 2009 2007 – present
2000 – 2007	<u>Georgia Institute of Technology</u> School of Chemistry and Biochemistry · Associate Professor · Assistant Professor	Atlanta, GA 2006 – 2007 2000 – 2006
1998 – 2000	<u>Harvard University</u> Research Advisor: Prof. George M. Whitesides · <i>Postdoctoral Research</i> . Mimicking biological systems using mesoscale self-assembly.	Cambridge, MA
1995 – 1998	<u>California Institute of Technology</u> Research Advisor: Prof. Robert H. Grubbs · <i>Ph.D. Research</i> . Olefin metathesis for the synthesis of supramolecular structures.	Pasadena, CA
1993 – 1994	<u>University of Mainz</u> Research Advisor: Prof. Helmut Ringsdorf · <i>Master's Research</i> . Molecular recognition at the air-water interface, in water and on solid supports.	Mainz, Germany
1992	<u>Max Planck Institute of Polymer Research</u> · <i>Summer Internship</i> . Synthesis of phthalocyanines containing germanium and silicon.	Mainz, Germany
1991 – 1992	<u>University of California, Irvine</u> Research Advisor: Prof. Fraser Armstrong · <i>Undergraduate Research</i> . Voltammetric characterization of an iron-sulfur [4Fe-4S] cluster in ferredoxin III from <i>Desulfovibrio africanus</i> .	Irvine, CA

AWARDS AND FELLOWSHIPS

2014	Friedrich Wilhelm Bessel-Award of the Humboldt Foundation
2013	Fellow of the Polymer Division of the ACS
2007	Tetrahedron Most Cited Paper 2004-2007 Award
2006	Sigma Xi Young Faculty Award
2006	CETL/BP Junior Faculty Teaching Excellence Award
2005	Camille Dreyfus Teacher-Scholar Award
2005	Alfred P. Sloan Research Fellow
2004 – 2007	DuPont de Nemours and Company Young Professor Award
2004 – 2006	Blanchard Assistant Professor Fellowship
2003	NSF CAREER Award
2002	Ralph E. Powe Junior Faculty Enhancement Award
2002 – 2004	3M Non-Tenured Faculty Award
1998	Postdoctoral Fellowship of the German Academic Exchange Service (DAAD)
1991	Student Exchange Fellowship of the German Academic Exchange Service (DAAD)

NAMED LECTURES

- (1) April 18, 2016 Garland Lecture (<http://www.tamuk.edu/artsci/chemistry/information/Garland%20Lecture.html>) *Directed Self-Assembly and Crystallization of Colloids* Texas A&M, Kingsville, TX

PUBLICATIONS (#1 – #16, student and postdoctoral, *indicates corresponding author(s))

154. "Assembly of Colloids via Reversible Host-Guest Interactions" Elizabeth Elacqua, Xiaolong Zheng, and Marcus Weck* *Soft Mater. submitted*.
153. "Supramolecular Multiblock Copolymers Featuring Complex Secondary Structures" Elizabeth Elacqua, Kylie B. Manning, Diane Lye, Scott K. Pomarico, Federica Morgia, and Marcus Weck* *J. Am. Chem. Soc.* **2017**, *submitted*.
152. "Synthesis of Well-Defined Bifunctional Newkome-Type Dendrimers" Elizabeth A. Kaufman, Rossella Tarallo, Elizabeth Elacqua, Tom P. Carberry and Marcus Weck* *Macromolecules* **2017**, *50*, 4897-4905 (DOI: 10.1021/acs.macromol.7b01035).
151. "ABC Supramolecular Triblock Copolymer by ROMP and ATRP" Diane S. Lye, Yan Xia, Madeleine Z. Wong, Yufeng Wang, Mu-Ping Nieh*, and Marcus Weck* *Macromolecules* **2017**, *50*, 4244-4255 (DOI: 10.1021/acs.macromol.7b00169).
150. "End-Functionalized Palladium SCS-Pincer Polymers via Controlled Radical Polymerizations" Diane S. Lye, Aaron E. Cohen, Madeleine Z. Wong, and Marcus Weck* *Macromol. Rapid Commun.* **2017**, *in press* (DOI: 10.1002/marc.201700174).
149. "Shape-Shifting Patchy Particles" Xiaolong Zheng, Mingzhu Liu, Mingxin He, David J. Pine,* and Marcus Weck* *Angew. Chem. Int. Ed.* **2017**, *56*, 5507-5511 (DOI: 10.1002/anie.201701456). Highlighted as 'Hot Paper' by *Angewandte Chemie*.

148. "Coil-Helix and Sheet-Helix Block Copolymers via Macroinitiation from Telechelic ROMP Polymers" Elizabeth Elacqua, Anna Croom, Diane S. Lye, and Marcus Weck* *J. Polym. Sci. A: Polym. Chem.* **2017**, *in press* (DOI: 10.1002/pola.28542).
147. "The Intriguing Journey of gH625-Dendrimers" Annarita Falanga, Lucia Lombardi, Rossella Tarallo, Gianluigi Franci, Emiliana Perillo, Luciana Paolmba, Massimiliano Galdiero, Diego Pontoni,* Giovanna Fragneto,* Marcus Weck,* Stefania Galdiero* *RSC Adv.* **2017**, *7*, 9106-9114 (DOI: 10.1039/c6ra28405a).
146. "Generation Effect of Newkome Dendrimer on Cellular Uptake" Elizabeth A. Kaufman, Rossella Tarallo, Anarita Falanga, Stefania Galdiero*, and Marcus Weck* *Polymer* **2017**, *113*, 67-73 (DOI: 10.1016/j.polymer.2017.02.040).
145. "Bifunctional Polymer Architectures for Cooperative Catalysis: Tunable Acid-Base Polymers for the Aldol Condensation" Caroline B. Hoyt, Li-Chen Lee, Aaron E. Cohen, Marcus Weck, Christopher W. Jones* *ChemCatChem* **2017**, *9*, 137-143 (DOI: 10.1002/cctc.201601104).
144. "Supramolecular Diblock Copolymers Featuring Well-defined Telechelic Building Blocks" Elizabeth Elacqua, Anna Croom, Kylie B. Manning, Scott K. Pomarico, Diane Lye, Lauren Young, and Marcus Weck* *Angew. Chem. Int. Ed.* **2016**, *55*, 15873-15878 (DOI: 10.1002/anie.201609103).
143. "Supramolecular Helix-Helix Block Copolymers" Anna Croom, Kylie Manning, and Marcus Weck* *Macromolecules* **2016**, *49*, 7117-7128 (DOI: 10.1021/acs.macromol.6b01410).
142. "Physicochemical Characterization of Three Fiber-Reinforced Epoxide-based Composites for Dental Applications" Anderson J. Bonon, Marcus Weck, Estevam A. Bonfante*, Paulo G. Coelho* *Mater. Sci. Eng. C* **2016**, *C 69*, 905-913 (DOI: 10.1016/j.msec.2016.07.002).
141. "Redox-Responsive Viologen-Mediated Self-Assembly of CB[7]-Modified Patchy Particles" Farah Benyettou, Xiaolong Zheng, Elizabeth Elacqua, Yu Wang, Parastoo Dalvand, Zouhair Asfari, John-Carl Olsen, Na'il Saleh, Mourad Elhabiri, Marcus Weck* and Ali Trabolsi* *Langmuir* **2016** *32*, 7144-7150.
140. "Thermal Regulation of Colloidal Materials Architecture through Orthogonal Functionalizable Patchy Particles " Xiaolong Zheng, Yufeng Wang, Yu Wang, David J. Pine,* and Marcus Weck* *Chem. Mater.* **2016**, *28*, 3984-3989.
139. "End-Group Functionalization and Post-Polymerization Modification of Helical Poly(isocyanide)s" Anna Croom, Rossella Tarallo, and Marcus Weck* *J. Polym. Sci. A: Polym. Chem.* **2016**, *54*, 2766-2773.
138. "Micelle-based Nanoreactors Containing Ru-porphyrin for the Epoxidation of Terminal Olefins in Water" Jie Lu, Linus Liang, and Marcus Weck* *J. Mol. Cat. A Chem.* **2016**, *417*, 122-125.
137. "An Acid-base Bifunctional Shell Cross-Linked Micelle Nanoreactor for One-pot Tandem Reactions" Li-Chen Lee, Jie Lu, Marcus Weck*, and Christopher W. Jones* *ACS Catal.* **2016**, *6*, 784-787.
136. "Characterization of Molecular Association of Poly(2-oxazoline)s-based Micelles with Various Epoxides and Diols via the Flory-Huggins Theory: A Molecular Dynamics Simulation Approach" Byeong Jae Chun, Jie Lu, Marcus Weck, and Seung Soon Jang* *Phys. Chem. Chem. Phys.* **2015**, *17*, 29161-29170.
135. "Compartmentalization of Non-orthogonal Catalytic Transformations for Tandem Catalysis" Jie Lu, Jonas Dimroth and Marcus Weck* *J. Am. Chem. Soc.* **2015**, *137*, 12984-12989.

Highlighted in *Scientific American* **2015**.

134. "Synthesis and Liquid Crystalline Behavior of Bulky Poly(methacrylamide)s" Kylie B. Manning, Alexander G. Shtukenberg, Shane M. Nichols, Bart Kahr*, and Marcus Weck* *J. Polym. Sci. A: Polym. Chem.* **2015**, *53*, 2563-2568.
133. "Synthetic Strategies Toward DNA-Coated Colloids that Crystallize" Yufeng Wang, Yu Wang, Xiaolong Zheng, Étienne Ducrot, Myung-Goo Lee, Gi-Ra Yi, Marcus Weck,* and David J. Pine* *J. Am. Chem. Soc.* **2015**, *137*, 10760-10766.
ACS Editors' Choice article for 8/12/2015
132. "Nucleation, Restructuring, and Crystallization of DNA-coated Colloids" Yu Wang, Yufeng Wang, Xiaolong Zheng, Étienne Ducrot, Jeremy S. Yodh, Marcus Weck,* and David J. Pine* *Nat. Commun.* **2015**, *6*, 7253 DOI: 10.1038/ncomms8253.
Highlighted in *Nature* **2015**, *534*, 9.
131. "Simultaneous Control over Monomer Sequence and Molecular Weight using the RAFT Process" Niels ten Brummelhuis* and Marcus Weck *ACS Symp. Ser.* **2015**, 269-282.
130. "Supramolecular Semiconductor Block Copolymers via ROMP" Elizabeth Elacqua and Marcus Weck* *Chem. Eur. J.* **2015**, *21*, 7151-7158.
129. "Co-Salen Complexes as Catalysts for the Asymmetric Henry Reaction - Reversed Enantioselectivity through Simple Ligand Modification" Jonas Dimroth and Marcus Weck* *RSC Advanced* **2015**, *5*, 29108-29113.
128. "Patchy Particle Packing under Electric Fields" Pengcheng Song, Yufeng Wang, Yu Wang, Andrew D. Hollingsworth, Marcus Weck,* David J. Pine,* and Michael D. Ward* *J. Am. Chem. Soc.* **2015**, *137*, 3069-3075.
127. "Membranotropic Peptide-Functionalized Poly(lactide)-graft-Poly(ethylene glycol) Brush Copolymers for Intracellular Delivery" Dorothee E. Borchmann, Rossella Tarallo, Sarha Avendano, Annarita Falanga, Tom P. Carberry, Stefania ,* and Marcus Weck* *Macromolecules* **2015**, *48*, 942-949.
126. "Elucidation of the interaction mechanism with liposomes of gH625-peptide functionalized dendrimers" Annarita Falanga, Rossella Tarallo, Tom P. Carberry, Massimiliano Galdiero, Marcus Weck, and Stefania Galdiero* *PLoS ONE* **2014**, *9*, e112128.
125. "Post – Polymerization Modification of Block Copolymers" Joy Romulus, John T. Henssler, and Marcus Weck* *Macromolecules* **2014**, *47*, 5437-5449.
124. "Engineering Orthogonality in Supramolecular Polymers: From Simple Scaffolds to Complex Materials" Elizabeth Elacqua, Diane S. Lye, and Marcus Weck* *Acc. Chem. Res.* **2014**, *47*, 2405-2416.
123. "Three-Dimensional Lock and Key Colloids" Yu Wang, Yufeng Wang, Xiaolong Zheng, Gi-Ra Yi, Stefano Sacanna,* David J. Pine,* and Marcus Weck* *J. Am. Chem. Soc.* **2014**, *136*, 6866-6869.
122. "Intramolecular Folding of Triblock Copolymers via Quadrupole Interactions Between Poly(styrene) and Poly(pentafluorostyrene) Blocks" Jie Lu, Niels ten Brummelhuis, and Marcus Weck* *Chem Commun.* **2014**, *50*, 6225-6227.
121. "RAFT Polymerization of Alternating Styrene-Pentafluorostyrene Copolymers" Niels ten Brummelhuis and Marcus Weck* *J. Polym. Sci. A: Polym. Chem.* **2014**, *52*, 1555-1559.
120. "¹³C NMR Spectroscopy for the Quantitative Determination of Compound Ratios and

- Polymer End-Groups" Doug Otte, Dorothee E. Borchmann, Chin Lin, Marcus Weck,* and Keith Woerpel* *Org. Lett.* **2014**, *16*, 1566-1569.
119. "'Bio'-macromolecules: Polymer-Protein Conjugates as Emerging Scaffolds for Therapeutics" Dorothee E. Borchmann, Tom P. Carberry, and Marcus Weck* *Macromol. Rapid Commun.* **2014** *35*, 27-43.
118. "Patchy Particle Self-Assembly via Metal Coordination" Yufeng Wang, Andrew D. Hollingsworth, SiKyung Yang, Sonal Patel, David J. Pine,* and Marcus Weck* *J. Am. Chem. Soc.* **2013**, *135*, 14064-14067.
117. "Single-Chain Polymer Self-Assembly Using Complementary Hydrogen Bonding Units" Joy Romulus and Marcus Weck* *Macromol. Rapid Commun.* **2013**, *34*, 1518-1523.
116. "Alternating ROMP Copolymers Containing Charge-transfer Units" Joy Romulus, Li Tan, Marcus Weck,* and Nicole S. Sampson* *ACS Macro Lett.* **2013**, *2*, 749-752.
115. "Cinnamate-Based DNA Photolithography" Lang Feng*, Minfeng Li, Joy Romulus, Ruojie Sha, John Royer, Kun-Ta Wu, Qin Xu, Nadrian C. Seeman, Marcus Weck*, and Paul Chaikin* *Nature Mater.* **2013** *12*, 747-753.
114. "GRGDS-Functionalized Poly(lactide)-graft-poly(ethylene glycol) Copolymers: Combining Thiol-Ene Chemistry with Staudinger Ligation" Dorothee E. Borchmann, Niels ten Brummelhuis, and Marcus Weck* *Macromolecules* **2013**, *46*, 4426-4431.
113. "One-pot Synthesis of Poly(norbornene)-block-Poly(lactic acid) Copolymers Using a Bifunctional Initiator" Hwayoon Jung, Niels ten Brummelhuis, Si Kyung Yang and Marcus Weck* *Polym. Chem.* **2013**, *4*, 2837-2840.
112. "Dendrimers Functionalized with Membrane-Interacting Peptides for Viral Inhibition" Rossella Tarallo, Tom P. Carberry, Annarita Falanga, Mariateresa Vitiello, Stefania Galdiero, Massimiliano Galdiero*, and Marcus Weck* *Int. J. Nanomed.* **2013**, *8*, 521-534.
111. "Poly(styrene) Resin-Supported Co (III) Salen Cyclic Oligomers: Highly Active and Easily Recycled HKR Catalysts" Michael G.C. Kahn, Joakim H. Stenlid, and Marcus Weck* *Adv. Synth. Catal.* **2012**, *354*, 3016-3024.
110. "Colloids with Valence and Directional Specific Bonding" Yufeng Wang, Yu Wang, Dana R. Breed, Vinothan N. Manoharan, Lang Feng, Andrew D. Hollingsworth, Marcus Weck*, and David J. Pine* *Nature* **2012**, *491*, 51-55.
Highlighted in *Nature* **2012**, *491*, 42-43.
Highlighted in *C & EN*, "Mimicking Atomic Bonds", November 5th **2012**, 10.
109. "Dendrimer Functionalization with a Membrane-Interacting Domain of *Herpes Simplex Virus* Type 1: Towards Intracellular Delivery" Tom P. Carberry, Rossella Tarallo, Annarita Falanga, Emiliana Finamore, Massimiliano Galdiero, Marcus Weck,* and Stefania Galdiero* *Chem. Eur. J.* **2012**, *18*, 13678-13685.
108. "Orthogonal Multi-functionalization of Random and Alternating Copolymers" Niels ten Brummelhuis and Marcus Weck* *ACS Macro Lett.* **2012**, *1*, 1216-1218.
107. "Patterned Polymeric Multilayered Assemblies Through Hydrogen Bonding and Metal Coordination" Victor Piñón III and Marcus Weck* *Langmuir* **2012**, *28*, 3279-3284.
106. "Highly Crosslinked Polycyclooctyl-Salen Cobalt (III) for the Hydrolytic Kinetic Resolution of Terminal Epoxides" Michael G. C. Kahn and Marcus Weck* *Catal. Sci. Tech.* **2012**, *2*, 386-389.

105. "Facile Synthesis of Flexible, Donor-Acceptor Side-chain Functionalized Copolymers via Ring-Opening Metathesis Polymerization" Joy Romulus, Sonal Patel and Marcus Weck* *Macromolecules* **2012**, *45*, 70-77.
104. "Well-defined Poly(lactic acids) Containing Poly(ethylene glycol) Side-chains" José A. Castillo, Dorothee E. Borchmann, Amy Y. Cheng, Yufeng Wang, Chunhua Hu, Andrés J. García*, and Marcus Weck* *Macromolecules* **2012**, *45*, 62-69.
103. "Synthesis of First- and Second- Generation Poly(amide)-Dendronized Polymers via Ring-Opening Metathesis Polymerization" Hwayoon Jung, Tom P. Carberry, and Marcus Weck* *Macromolecules* **2011**, *44*, 9075-9083.
102. "Shell Cross-linked Micelle-Based Nanoreactors for the Substrate-Selective Hydrolytic Kinetic Resolution of Epoxides" Yu Liu, Yu Wang, Yufeng Wang, Jie Lu, Victor Piñón III, and Marcus Weck* *J. Am. Chem. Soc.* **2011**, *133*, 14260-14263.
101. "Poly(norbornene) Block Copolymer-Based Shell Cross-linked Micelles with Co(III)-salen Cores" Yu Liu, Victor Piñón III, and Marcus Weck* *Polym. Chem.* **2011**, *2*, 1964-1975.
100. "Multi-responsive Reversible Polymer Networks Based On Hydrogen Bonding and Metal Coordination" Kamlesh P. Nair, Victor Breedveld*, and Marcus Weck* *Macromolecules* **2011**, *44*, 3346-3357.
99. "Free Chlorine Sensing Using an Interferometric Sensor" Jie Xu,* Ke Feng, and Marcus Weck *Sens. Actuat. B-Chem.* **2011**, *156*, 812-819.
98. "Combining Amino-Cyanine Dyes with Polyamide Dendrons: A Promising Strategy for Imaging in the Near-Infrared Region" Cátia Ornelas, Rachelle Lodescar, Alexander Durandin, James Canary, Ryan Pennell, Leonard F. Liebes, and Marcus Weck* *Chem. Eur. J.* **2011**, *17*, 3619-3629.
97. "Construction and Multifunctionalization of Janus Dendrimers" Cátia Ornelas, Ryan Pennell, Leonard F. Liebes, and Marcus Weck* *Org. Lett.* **2011**, *13*, 976-979.
96. "Site-Selective Metal-Coordination-Based Patterning of Silane Monolayers" Minfeng Li, Yu Wang, Victor Piñón III, and Marcus Weck* *Chem. Commun.* **2011**, 2802-2804.
95. "The Bigger, the Better: Ring-Size Effects of Macrocyclic Oligomeric Co(III)-Salen Catalysts" Yu Liu, Jonathan Rawlston, Andrew T. Swann, Tait Takatani, C. David Sherrill, Peter J. Ludovice*, and Marcus Weck* *Chem. Sci.* **2011**, *2*, 429-438.
94. "Modulating Mechanical Properties of Self-assembled Polymer Networks by Multi-functional Complementary Hydrogen Bonding" Kamlesh P. Nair, Victor Breedveld*, and Marcus Weck* *Soft Matter* **2011**, *7*, 553-559.
93. "Supporting Multiple Metallic Catalysts on Poly(norbornene) for Cyanide Addition to α,β -Unsaturated Imides" Nandita Madhavan, William Sommer, and Marcus Weck* *J. Mol. Cat. A Chem.* **2011**, *334*, 1-7.
92. "Main-chain Supramolecular Block Copolymers" Si Kyung Yang, Ashootosh V. Ambade and Marcus Weck* *Chem. Soc. Rev.* **2011**, *40*, 129-137.
91. "Kinetic Evaluation of Cooperative Co(salen) Catalysts in the Hydrolytic Kinetic Resolution of *rac*-Epichlorohydrin" Xunjin Zhu, Krishnan Venkatasubbaiah, Marcus Weck, and Christopher W. Jones* *ChemCatChem* **2010**, *2*, 1252-1259.

90. "Highly Active Oligomeric Co(Salen) Catalysts for the Asymmetric Synthesis of α -Aryloxy or α -Alkoxy Alcohols via Kinetic Resolution of Terminal Epoxides" Xunjin Zhu, Krishnan Venkatasubbaiah, Marcus Weck, and Christopher W. Jones* *J. Mol. Catal. A* **2010**, *329*, 1-6.
89. "Strain-Promoted Alkyne Azide Cycloaddition for the Functionalization of Poly(amide)-based Dendrons and Dendrimers" Cátia Ornelas, Johannes Broichhagen, and Marcus Weck* *J. Am. Chem. Soc.* **2010**, *132*, 3923-3931.
88. "Supramolecular ABC Triblock Copolymers via One-Pot, Orthogonal Self-Assembly" Si Kyung Yang, Ashootosh V. Ambade, and Marcus Weck* *J. Am. Chem. Soc.* **2010**, *132*, 1637-1645.
87. "Orthogonally Self-Assembled Multifunctional Block Copolymers" Ashootosh V. Ambade, Caroline Burd, Mary Nell Higley, Kamlesh P. Nair, and Marcus Weck* *Chem. Eur. J.* **2009**, *15*, 11904-11911.
86. "Norborene-Based Copolymers Containing Platinum Complexes and Bis(carbazolyl)benzene Groups in Their Side-Chains" Ke Feng, Carlos Zuniga, Ya-Dong Zhang, Dongwook Kim, Stephen Barlow, Seth R. Marder*, Jean Luc Brédas*, and Marcus Weck* *Macromolecules* **2009**, *42*, 6855-6846.
85. "Construction of Well-Defined Multifunctional Dendrimers Using a Trifunctional Core" Cátia Ornelas and Marcus Weck* *Chem. Commun.* **2009**, 5710-5712.
84. "Supramolecular Alternating Block Copolymers via Metal Coordination" Si Kyung Yang, Ashootosh V. Ambade, and Marcus Weck* *Chem. Eur. J.* **2009**, *15*, 6605-6611.
83. "Supramolecular ABC Triblock Copolymers" Ashootosh V. Ambade, Si Kyung Yang and Marcus Weck* *Angew. Chem., Int. Ed.* **2009**, *48*, 2894-2898.
82. "Macrocyclic Cyclooctene-supported Salen(AlCl) Catalysts for Conjugated Addition Reactions: Effect of Linker and Support-structure on Catalysis" Nandita Madhavan, Tait Takatani, C. David Sherrill, and Marcus Weck* *Chem. Eur. J.* **2009**, *15*, 1186-1194.
81. "Covalent and Orthogonal Multi-functionalization of Terpolymers" Si Kyung Yang and Marcus Weck* *Soft Matter* **2009**, *5*, 582-585.
80. "Highly Porous Cross-linkable PLA-PNB Block Copolymer Scaffolds" Yiqing Wang, David E. Noga, Kunsang Yoon, Abigail M. Wojtowicz, Angela S. P. Lin, Andrés J. García, David M. Collard, and Marcus Weck* *Adv. Funct. Mater.* **2008**, *18*, 3638-3644.
79. "Optimization of Orange-Emitting Electrophosphorescent Copolymers for Organic Light-Emitting Diodes" Andreas Haldi, Alpay Kimyonok, Benoit Domercq, Lauren E. Hayden, Simon C. Jones, Seth R. Marder*, Marcus Weck*, and Bernard Kippelen* *Adv. Funct. Mater.* **2008**, *18*, 3056-3062.
78. "Rational Approach to Polymer Supported Catalysts: Synergy between Catalytic Reaction Mechanism and Polymer Design" Nandita Madhavan, Christopher W. Jones, and Marcus Weck* *Acc. Chem. Res.* **2008**, *41*, 1153-1165.
77. "Enhanced Cooperativity via Design: Pendant Co(III)-Salen Polymer Brush Catalysts for the Hydrolytic Kinetic Resolution of Epichlorohydrin" Christopher S. Gill, Krishnan Venkatasubbaiah, Nam T.S. Phan, Marcus Weck, Christopher W. Jones* *Chem. Eur. J.* **2008**, *14*, 7306-7313.

76. "Enhanced Cooperativity in Hydrolytic Kinetic Resolution of Epoxides using Poly(styrene) Resin-Supported Dendronized Co-(Salen) Catalysts" Poorva Goyal, Xiaolai Zheng, and Marcus Weck* *Adv. Synth. Catal.* **2008**, *350*, 1816-1822.
75. "Synthesis and Modification of Functional Poly(lactide) Copolymers: Towards Biofunctional Materials" David Noga, Timothy Petrie, Anjali Kumar, Marcus Weck, Andrés J. García, and David M. Collard* *Biomacromolecules* **2008**, *9*, 2056-2062.
74. "Bridged Coordination Polymer Multilayers with Tunable Properties" Clint R. South and Marcus Weck* *Langmuir* **2008**, *24*, 7506-7511.
73. "Complementary Hydrogen Bonded Thermoreversible Polymer Networks with Tunable Properties" Kamlesh P. Nair, Victor Breedveld* and Marcus Weck* *Macromolecules* **2008**, *41*, 3429-3438.
72. "Highly Active Polymer-Supported (salen)Al Catalysts for the Enantioselective Addition of Cyanide to α,β -Unsaturated Imides" Nandita Madhavan and Marcus Weck* *Adv. Synth. Catal.* **2008**, *350*, 419-425.
71. "Solvent Influence on the Orthogonality of Noncovalently Functionalized Terpolymers" Caroline Burd and Marcus Weck* *J. Polym. Sci. Part A: Polym. Chem.* **2008**, *46*, 1936-1944.
70. "Erasable Supramolecular Polymer Multilayers on Gold" Clinton R. South, Victor Piñon III, and Marcus Weck* *Angew. Chem., Int. Ed.* **2008**, *47*, 1425-1428.
69. "Engineering Polymer-Enhanced Bimetallic Cooperative Interactions in the Hydrolytic Kinetic Resolution of Epoxides" Xiaolai Zheng, Christopher W. Jones, and Marcus Weck* *Adv. Synth. Catal.* **2008**, *350*, 255-261.
68. "Modular Covalent Multifunctionalization of Copolymers" Si Kyung Yang and Marcus Weck* *Macromolecules* **2008**, *41*, 346-351.
67. "Facile Functionalization of Gold Nanoparticles via Microwave Assisted 1,3 Dipolar Cycloaddition" William J. Sommer and Marcus Weck* *Langmuir* **2007**, *23*, 11991-11995.
66. "Norbornene-Based Copolymers with Iridium Complexes and Bis(Carbazolyl)fluorene Groups in Their Side-Chains and Their Use in Light-Emitting Diodes" Alpay Kimyonok, Benoit Domercq, Andreas Haldi, Jian-Yang Cho, Joseph R. Carlise, Xian-Yong Wang, Lauren E. Hayden, Simon C. Jones, Stephen Barlow, Seth R. Marder, Bernard Kippelen*, and Marcus Weck* *Chem. Mater.* **2007**, *19*, 5602-5608.
65. "Multifunctionalization of Dendrimers via Orthogonal Transformations" Poorva Goyal, Kunsang Yoon and Marcus Weck* *Chem. Eur. J.* **2007**, *13*, 8801-8810.
64. "Importance of Counterion Replacement on the Deactivation of Co-Salen Catalysts in the Hydrolytic Kinetic Resolution of Epichlorohydrin" Surbhi Jain, Xiaolai Zheng, Christopher W. Jones, Marcus Weck, Robert J. Davis* *Inorg. Chem.* **2007**, *46*, 8887-8896.
63. "Synthesis and Characterization of Polymerizable Phosphorescent Platinum(II) Complexes for Solution-Processible Organic Light-Emitting Diodes" Jian-Yang Cho, Benoit Domercq, Stephen Barlow, Kyrill Yu. Sponitsky, Jennifer Li, Tatiana V. Timofeeva, Simon C. Jones, Lauren E. Hayden, Alpay Kimyonok, Clinton R. South, Marcus Weck, Bernard Kippelen, Seth R. Marder* *Organometallics* **2007**, *26*, 4816-4829.
62. "Monofunctionalization of Dendrimers with Use of Microwave-Assisted 1,3-Dipolar Cycloadditions" Kunsang Yoon, Poorva Goyal, and Marcus Weck* *Org. Lett.* **2007**, *9*, 2051-2054.

61. "Controlling Polymer Properties Through Dynamic Metal-Ligand Interactions: Supramolecular Cruciforms Made Easy" Warren W. Gerhardt, Anthony J. Zuccherro, Clinton R. South, Uwe H. F. Bunz* and Marcus Weck* *Chem. Eur. J.* **2007**, *13*, 4467-4474.
60. "Mizoroki-Heck Coupling Using Immobilized Molecular Precatalysts – Pd Pincers, Entrapped Pd Salts and Pd NHC Complexes" Marcus Weck and Christopher W. Jones* *Inorg. Chem.* **2007**, *46*, 1865-1875.
59. "Side-Chain Functionalized Supramolecular Polymers" Marcus Weck* *Polym. Int.* **2007**, *56*, 453-460.
58. "Template Enhanced Ring-Opening Metathesis Polymerization" Clinton R. South and Marcus Weck* *Macromolecules* **2007**, *40*, 1386-1394.
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32. "Assembly not Required for New Micro Particles" *Research Digest New York University* **Winter 2012-13**, 9, 10.
31. "No Assembly Required for New Micro Particles" **2012** <http://www.futurity.org/no-assembly-required-for-new-micro-particles/>.
30. "No Assembly Required – Microparticles That Self-assemble" **2012** <http://www.redorbit.com/news/science/1112723407/microparticles-self-assemble-103112/#Gtj6qmq2JyuYhVwV.99>
29. "Self-Assembling Particles Could Advance Optics" **2012** <http://www.photonics.com/Article.aspx?AID=52231>
28. "Self-Assembling Particles for Optical Materials" **2012** <http://www.nanocomputer.com/?p=4170>.
27. "Mimicking Atomic Bonds" *Chemical & Engineering News*, November 5th **2012**, 10.
26. "Colloids as Artificial Atoms" *Chemistry Views* **2012**, http://www.chemistryviews.org/details/news/3613711/Colloids_as_Artificial_Atoms.html
25. "New Self-Assembling Particles Offer Great Promise for Optical Materials and Ceramics" *Science Daily* **2012**, <http://www.sciencedaily.com/releases/2012/10/121031141752.htm>
24. "Colloidal microparticles that self-assemble into novel 3D structures" *Kurzweil* **2012**, <http://www.kurzweilai.net/colloidal-microparticles-that-self-assemble-into-novel-3d-structures>.
23. "Assembly not Required for New Micro Particles" *New York University* **2012**, <http://www.nyu.edu/about/news-publications/news/2012/10/31/assembly-not-required-for-new-micro-particles.html>.
22. "Self-Assembly Gets New Direction" *Nature* **2012**, 491, 42-43.
21. "The bigger, the better" *Chemie.de* <http://www.chemie.de/news/e/127410/> **2010**, December 20.
20. "Polymers from Living ROMP and Metal Coordination" *Synfacts*, **2009**, 1100.
18. "Polymer-Supported (Salen)Al Catalyst" *Synfacts*, **2008**, 545.
17. "Hydrolytic Kinetic Resolution of Epoxides Using Polymer-Supported Cobalt Catalyst" *Synfacts*, **2008**, 430.
16. "Resolving More with Less" *Science*, **2007**, 315, 575.
15. "Report Issued on Emerging Lighting Systems" *Photonics Spectra* **2006**, February.
14. "Next-Generation OLEDs" *Physorg.com* <http://www.physorg.com/news3853.html> **2005**, April, 25.
13. "Next Generation OLEDs" *Research Horizons* **2005**, Spring/Summer, 32.
12. "Polymer Processing Could Give Cheaper Displays" *Electronics Online* http://www.electroline.com.au/elc/feature_article/item_062003b.asp

11. "Polymer Processing for Alq₃" *The Spectrum* **2003**, 16, 30-31.
10. "Less Expensive Displays" *Research Horizons* **2003**, Spring/Summer, 37.
9. "Polymer Incorporates Alq₃ for Organic LEDs" *Photonics Spectra* **2003**, May 22nd.
8. "Polymer Puts Solution Processing in Reach for OLEDs" *Electronicweekly.com* **2003**, April 30th.
7. "Less Expensive Displays: New Technique Allows Polymer Processing of a Key Solid-state Fluorescent Material" *The Sol-Gel Gateway* <http://www.solgel.com/articles/april03/OLEDS.asp> **2003**, April.
6. "Less Expensive Displays: New Technique Allows Polymer Processing of a Key Solid-State Fluorescent Materials" *Georgia Tech Research News* **2003**, March 27.
5. "Making a Glowing Polymer" *Science* **2003**, 299, 1488.
4. "Designer Polymers" *R & D Magazine, Bacon's* **2002**, October, 78A-2340.
3. "Imitating Nature" *Research Horizons* **2002**, Fall, 35.
2. "Design Your Own Material in 10 Minutes" *Design News* **2002**, August.
1. "Imitating Nature: Self-Assembly Technique May Build Designer Polymers from Modular Scaffolds & Building Blocks" *Georgia Tech Research News* **2002**, August 20.

INVITED SEMINAR PRESENTATION

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|-------------------------|--|
| (108) July 10, 2017 | <i>Directed Self-Assembly and Crystallization of Colloids</i> ACS Colloid Symposium 2017, New York, NY |
| (107) March 2, 2017 | <i>Foldable Supramolecular Polymers</i> Rutgers University, Newark, NJ |
| (106) November 22, 2016 | <i>Directed Self-Assembly and Crystallization of Colloids</i> Columbia University, New York, NY |
| (105) June 14, 2016 | <i>Directed Self-Assembly and Crystallization of Colloids</i> NYU-Tel Aviv University Symposium, New York, NY |
| (104) June 10, 2016 | <i>Supramolecular Blockcopolymers</i> MARM Meeting, New York, NY |
| (103) March 14, 2016 | <i>Directed Self-Assembly and Crystallization of Colloids</i> Cornell University, Ithaca, NY |
| (102) February 17, 2016 | <i>Compartmentalization of Catalysts for Tandem Catalysis</i> NYUAD International Chemistry Conference on Organic and Bioorganic Chemistry, NYU Abu Dhabi, Abu Dhabi UAE |
| (101) August 16, 2015 | <i>Folded Supramolecular Block Copolymers</i> National ACS Meeting, Boston, MA |
| (100) June 18, 2015 | <i>Directed Self-Assembly and Crystallization of Colloids</i> SoftNano Symposium, CCNY, New York, NY |
| (99) December 5, 2014 | <i>Supramolecular Polymers and Spatially Controlled Assembly of Colloids</i> ; Freie University Berlin, Germany |
| (98) December 1, 2014 | <i>Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies</i> ; Schiller University Jena, Germany |
| (97) November 13, 2014 | <i>Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies</i> ; Karlsruhe Institute of Technology, Germany |

- (96) November 12, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; University of Mainz, Germany
- (95) November 11, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; Chemische Gesellschaft Heidelberg, Germany
- (94) October 24, 2014 *Multivalent Assemblies of Colloids*; 3rd International Symposium of the SFB 765, Berlin, Germany
- (93) October 9, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; University of Stuttgart, Germany
- (92) October 7, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; University of Siegen, Germany
- (91) September 5, 2014 *Polymer-Supported Catalysts: Synergy Between Catalytic Mechanism and Polymer Design*; Freie University Berlin, Germany
- (90) April 25, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; Brooklyn College, New York, NY
- (89) March 19, 2014 *Directed Self-Assembly of Colloids*; National ACS Meeting, Dallas, TX
- (88) March 16, 2014 *Formation and Folding of Supramolecular Block Copolymers*; National ACS Meeting, Dallas, TX
- (87) March 3, 2014 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; University of Wisconsin, Madison, WI
- (86) February 20, 2014 *Learning from Nature: Functionalizing Polymers for Tomorrow's Applications*; SUNY New Paltz, New Paltz, NY
- (85) February 12, 2014 *Colloidal Molecules*; Fusion Conference in Functional Polymeric Materials, Cancun, Mexico
- (84) September 9, 2013 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; National ACS Meeting, Indianapolis, IN
- (83) July 5, 2013 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; Summer Symposium on Supramolecular Materials, Stony Brook, NY
- (82) March 19, 2013 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; DuPont, Wilmington, DE
- (81) November 13, 2012 *Materials Design via Self-Assembly: From Supramolecular Polymers to Colloidal Assemblies*; Rensselaer Polytechnic Institute, Troy, NY
- (80) September 20, 2012 *Supramolecular Copolymers*; College of Staten Island, NY
- (79) July 10, 2012 *Polymer-Supported Catalysts: Synergy Between Catalytic Mechanism and Polymer Design*; Warwick Polymer 2012, Warwick, UK
- (78) March 27, 2012 *Poly(Oxazoline) Supported Catalysts - Tuning Catalyst Activity and Selectivity*; National ACS Meeting, San Diego, CA
- (77) March 26, 2012 *Surface Functionalization of Supramolecular Polymers and Self-Assembly of Patchy Particles*; National ACS Meeting, San Diego, CA

- (76) January 9, 2012 *Multifunctional Polymers for Biomaterials Application*; 14th International Union of Pure and Applied Chemistry Conference on Polymers and Organic Chemistry (POC 2012), Doha, Qatar
- (74) March 23, 2011 *Multifunctional Supramolecular Copolymers via Ring-Opening Metathesis Polymerization*; National ACS Meeting, Anaheim, CA
- (73) August 23, 2010 *Supramolecular Copolymers*; National ACS Meeting, Boston, MA
- (72) June 22, 2010 *Supramolecular Copolymers*; Humboldt Universität, Berlin, Germany
- (71) June 21, 2010 *Polymer-Supported Catalysts: Synergy Between Catalytic Mechanism and Polymer Design*; Schiller Universität, Jena, Germany
- (70) March 24, 2010 *Photo-Patterned Surfaces via Metal Coordination*; National ACS Meeting, San Francisco, CA
- (69) March 22, 2010 *Polymer-Supported Catalysts: Synergy Between Catalytic Mechanism and Polymer Design*; Ipatieff Awards Symposium, National ACS Meeting, San Francisco, CA
- (68) March 12, 2010 *Supramolecular Copolymers*; State University of New York Stony Brook, Stony Brook, NY
- (67) January 25, 2010 *Multifunctional Dendrimers as Imaging and Delivery Tools*; Radiology Department, New York University, New York, NY
- (66) November 17, 2009 *Multifunctional Copolymers via Self-Assembly*; Freie Universität Berlin, Berlin, Germany
- (65) November 6, 2009 *Supramolecular Copolymers*; University of Texas at Austin, Austin, TX
- (64) November 5, 2009 *Supramolecular Copolymers*; Texas A & M University, College Station, TX
- (63) November 4, 2009 *Supramolecular Copolymers*; Southern Methodist University, Dallas, TX
- (62) November 3, 2009 *Supramolecular Copolymers*; Texas Christian University, Fort Worth, TX
- (61) October 26, 2009 *Supramolecular Block Copolymers*; Composite Meeting at Lake Louise, Lake Louise, Canada
- (60) September 14, 2009 Plenary Lecture: *Supramolecular Copolymers*; AIM meeting of the Italian Macromolecular Society, Milano, Italy
- (59) August 16, 2009 *Supramolecular Block Copolymers*; Symposium on: Metal Complexes in Polymer Science; National ACS meeting, Washington DC
- (58) August 5, 2009 *Supramolecular Block Copolymers*; International Symposium on Olefin Metathesis XVIII, Leipzig, Germany
- (57) March 26, 2009 *Supramolecular Thermoreversible Polymer Networks with Tunable Properties*; Symposium on: Applications of Supramolecular Polymers; National ACS Meeting, Salt Lake City, UT
- (56) December 6, 2008 *Synthesis and OLED Applications of Aluminum and Iridium-Containing Polymers*; SEAM XIV, New York, NY
- (55) November 5, 2008 *Side-Chain Functionalized Supramolecular Polymers*; Texas Tech, Lubbock, TX

- (54) September 22, 2008 *Side-Chain Functionalized Supramolecular Polymers*; City College of New York, New York, NY
- (53) May 21, 2008 *Side-Chain Functionalized Supramolecular Polymers*, Middle Atlantic Regional Meeting of the ACS, Queens, NY
- (52) November 13, 2007 NSF Workshop on Dynamic Combinatorial Chemistry, Boston, MA
- (51) November 8, 2007 *Functional Polymers via Self-Assembly*; Brooklyn Polytechnic University, Brooklyn, NY
- (50) November 1, 2007 *Multifunctional Materials via Self-Assembly*; Russell Marker Symposium, University of Maryland, College Park, MD
- (49) September 21, 2007 *Functional Polymers via Self-Assembly*; University of Connecticut, Storrs, CT
- (48) August 19, 2007 *Multifunctional Materials via Self-Assembly*; Symposium in Honor of Sir Fraser Stoddart, National ACS meeting, Boston, MA
- (47) August 19, 2007 *Metal Complexes as Synthons for the Synthesis of Polymeric Materials*; Symposium on: Metal Complexes in Polymer Science; National ACS Meeting, Boston, MA
- (46) July 30, 2007 *Supramolecular Polymers Based on ROMP*; International Symposium on Olefin Metathesis, Pasadena, CA
- (45) June 21, 2007 *Functional Polymeric Architectures via Self-Assembly*; Gordon Research Conference, Polymer East, Mount Holyoke, South Hadley, MA
- (44) May 2, 2007 *Functional Polymers via Multi-Site Self-Assembly*; Virginia Tech, Blacksburg, VA
- (43) March 29, 2007 *Functional Polymeric Architectures via Self-Assembly*; Purdue University, West Lafayette, IN
- (42) March 26, 2007 *Functional Polymeric Architectures via Self-Assembly*; Symposium on: Exploring and Exploiting Nature with Biomimetics; National ACS Meeting, Chicago, IL
- (41) March 5, 2007 *Functional Polymers via Multi-Site Self-Assembly*; Georgia Institute of Technology, School of Polymer and Textiles Engineering, Atlanta, GA
- (40) February 23, 2007 *Functional Polymers via Multi-Site Self-Assembly*; Rutgers University, Newark, NJ
- (39) January 20, 2007 *Functional Polymers via Multi-Site Self-Assembly*; Tulane University, New Orleans, LA
- (38) January 19, 2007 *Metal-Containing Poly(norbornene)s as Unique Platform in Materials Science*; University of California Los Angeles, Los Angeles, CA
- (37) October 29, 2006 NSF Workshop on Physical Organic Chemistry, Lake Arrowhead, CA
- (36) October 26, 2006 *Activity and Selectivity of Polymer-Supported Catalysts*; University of California Los Angeles, Los Angeles, CA
- (35) October 24, 2006 *Functional Polymers via Multi-Site Self-Assembly*; UCLA NanoSystems Seminar Series; University of California Los Angeles, Los Angeles, CA
- (34) July 22, 2006 *Functional Polymers via Multi-Site Self-Assembly*; Nobel Celebration Symposium for Robert H. Grubbs, Pasadena, CA

- (33) June 9, 2006 *Self-Assembly Strategies Towards Functional Polymers*; University of Eindhoven, The Netherlands
- (32) June 1, 2006 *Self-Assembly Strategies Towards Functional Polymers*; New York University, New York, NY
- (31) April 26, 2006 *Functional Polymers via Multi-Site Self-Assembly*; Solvay/Cope Symposium on Organic Electronics, Atlanta, GA
- (30) February 7, 2006 *Materials Design via Self-Assembly*; University of Wisconsin, Madison, WI
- (29) November 11, 2005 *Functional Polymers via Multi-Recognition Site Self-Assembly*; University of Chicago, Chicago, IL
- (28) November 8, 2005 *Functional Polymers via Multi-Recognition Site Self-Assembly*; University of Michigan, Ann Arbor, MI
- (27) October 14, 2005 *Functional Polymers via Multi-Recognition Site Self-Assembly*; DuPont Corporation, Wilmington, DE
- (26) September 14, 2005 *Activity and Selectivity of Polymer-Supported Catalysts*; Emory University, Atlanta, GA
- (25) September 9, 2005 *Functional Polymers via Multi-Recognition Site Self-Assembly*; University of Texas at Austin, Austin, TX
- (24) August 28, 2005 *Non-Covalently Functionalized Copolymers*; National ACS Meeting, Washington DC
- (23) June 16, 2005 *Functional Polymeric Architectures via Multi-Step Self-Assembly*; Gordon Research Conference on Supramolecules and Assemblies
- (22) March 16 and 17, 2005 *Functional Polymers via Multi-Site Self-Assembly and Metal-Quinolate Polymers as Materials in Polymeric Organic Light-Emitting Diodes*; National ACS Meeting, San Diego, CA
- (21) February 18, 2005 *Functional Polymers via Multi-Recognition Site Self-Assembly*; University of Massachusetts, Amherst, MA
- (20) February 5, 2005 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; University of New Orleans, New Orleans, LA
- (19) January 28, 2005 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; University of North Carolina, Chapel Hill, NC
- (18) January 24, 2005 *Poly(norbornene)s as Unique Platform in Materials Synthesis*; Promerus Corporation, Cleveland, OH
- (17) October 25, 2004 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; University of Illinois at Urbana-Champaign, Urbana-Champaign, IL
- (16) September 10, 2004 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; New York University, New York, NY
- (15) August 23, 2004 *Supported Palladated Pincer Complexes in Heck Catalysis*; National ACS Meeting, Philadelphia, PA
- (14) May 7, 2004 *Materials Design via Multi Recognition Site Self-Assembly*; FAME Meeting, Orlando, FL

- (13) April 28, 2004 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; University of North Carolina, Charlotte, NC
- (12) January 12, 2004 *Materials Design via Multi-Recognition Site Self-Assembly*; NSF Young Investigator Workshop in Supramolecular Chemistry
- (11) November 17, 2003 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; Southeast Regional ACS Meeting, Atlanta, GA
- (10) October 31, 2003 *Design and Synthesis of Polymeric Materials via Self-Assembly for Electro-Optical Applications*; 3M Company, St. Paul, MN
- (9) October 3, 2003 *Functional Polymeric Architectures via Multi-Recognition Site Self-Assembly*; Harold Nations Symposium, Atlanta, GA
- (8) September 2, 2003 *Design and Synthesis of Polymeric Materials via Self-Assembly for Electro-Optical Applications*; Albemarle Corporation, Baton Rouge, LA
- (7) September 10, 2003 *Copolymer Design via Self-Assembly*; National ACS Meeting, New York, NY
- (6) March 26, 2003 *Side-Chain Functionalized Copolymers via Multi-Step Self-Assembly*; National ACS Meeting, New Orleans, LA
- (5) February 20, 2003 *Design of Polymeric Materials via Self-Assembly*; Florida State University, Tallahassee, FL
- (4) November 14, 2002 *Functionalized Polynorbornenes via Self-Assembly*; Southeast Regional ACS Meeting, Charleston, SC
- (3) October 8, 2002 *Polymer Design via Multi-Step Self-Assembly*; 3M Company, St. Paul, MN
- (2) August 19, 2002 *A Self-Assembly Approach Toward Side-Chain Functionalized Copolymers*; National ACS Meeting, Boston, MA
- (1) April 24, 2001 Southeast Regional ACS Meeting, Atlanta, GA

TEACHING

NEW YORK UNIVERSITY CONTRIBUTIONS

Spring 2017	Chem-GA 2420: Polymer Chemistry
Spring 2017	Chem-UA 225: Organic Chemistry I
Spring 2016	Chem-GA 2420: Polymer Chemistry
Spring 2016	Chem-UA 225: Organic Chemistry I
Spring 2015	Chem-UA 225: Organic Chemistry I
Fall 2013	Chem-UA 225: Organic Chemistry I
Spring 2013	Chem-GA 2420: Polymer Chemistry
Fall 2011	Chem-UA 225: Organic Chemistry I
Spring 2011	V25.0226: Organic II Laboratory
Fall 2010	G25.2262: Organometallic Chemistry
Spring 2010	G25.2420: Polymer Chemistry
Spring 2009	G25.2420: Polymer Chemistry

Fall 2008	V25.0341: Honors Organic I
Spring 2008	G25.2261: Special Topics in Organic Chemistry: Polymers Chemistry
<i>GEORGLATECH CONTRIBUTIONS</i>	
Spring 2007	Chemistry 1315: Survey of Organic Chemistry
Fall 2006	Chemistry 6750: Preparation and Reaction of Polymers
Spring 2006	Chemistry 1315: Survey of Organic Chemistry
Fall 2005	Chemistry 6750: Preparation and Reaction of Polymers
Spring 2005	Chemistry 1315: Survey of Organic Chemistry
Spring 2004	Chemistry 1315: Survey of Organic Chemistry
Spring 2004	Chemistry 8000: Seminar in Chemistry
Fall 2003	Chemistry 8813: Chemistry of Nanomaterial Systems
Fall 2003	Chemistry 8000: Seminar in Chemistry
Fall 2003	Chemistry 6750: Preparation and Reaction of Polymers
Spring 2003	Chemistry 1315: Survey of Organic Chemistry
Fall 2002	Chemistry 4681: Advanced Chemistry Laboratory
Fall 2002	Chemistry 6372: Physical Organic Chemistry
Spring 2002	Chemistry 1315: Survey of Organic Chemistry
Fall 2001	Chemistry 4681: Advanced Chemistry Laboratory
Fall 2001	Chemistry 6372: Physical Organic Chemistry
Fall 2000	Chemistry 6372: Physical Organic Chemistry

RESEARCH GROUP MEMBERS

POSTDOCTORAL FELLOWS

- (1) **Dr. Elizabeth Elacqua** (MW Group: 2013 – present)
Ph.D., University of Iowa, 2012
- (2) **Dr. Xiaolong Zheng** (MW Group 2013 – present)
B.S. Wuhan University, China, 2008
Ph.D., NYU, 2017
Sokol Fellowship 2016/17
Thesis: “DNA-Directed Programmable Self-Assembly of Colloidal Superstructures”

GRADUATE STUDENTS

- (1) **Aaron Cohen** (MW Group: 2013 – present)
B.S. Rensselaer Polytechnic Institute, Troy, 2012
- (2) **Ru Deng** (MW Group: 2017 – present)
B.S., 2016
- (3) **Fangyuan Dong** (MW Group: 2017 – present)
B.S., 2016
- (4) **Michael Kuepfert** (MW Group: 2016 – present)

B.S., 2015

- (5) **Mingzhu Liu** (MW Group: 2016 – present)
B.S., 2015
- (6) **Diane Lye** (MW Group: 2012 – present)
B.S. Oberlin College, Oberlin, 2011
- (7) **Scott Pomarico** (MW Group: 2015 – present)
B.S. Fordham University, 2014
- (8) **Peiyuan Qu** (MW Group: 2017 – present)
B.S., 2016
- (9) **Cicely Shillingford** (MW Group: 2016 – present)
B.S. University of Waterloo, Waterloo, Canada, 2015
- (10) **Jianing Xu** (MW Group: 2017 – present)
B.S., 2016

UNDERGRADUATE STUDENTS

- (1) **Xinjie Qiu** (MW Group: 2016 – present)
B.S., New York University, expected 2018
- (2) **Olivia Kathryn Cullen** (MW Group: 2016 – present)
B.S., New York University, expected 2019

VISITING SCIENTISTS

FORMER RESEARCH GROUP MEMBER

POSTDOCTORAL FELLOWS

- (1) **Dr. Robert Kriegel** (MW Group: 2001 – 2003)
Ph.D., Georgia Institute of Technology, 2001
Current: The Coca Cola Company
- (2) **Dr. Ludger Paul Stubbs** (MW Group: 2001 – 2003)
Ph.D., Technische Hochschule Aachen, Germany, 2000
Current: Institute of Chemical and Engineering Sciences, Singapore
- (3) **Dr. Michael Holbach** (MW Group: 2004 – 2005)
Ph.D., Technical University Darmstadt, Germany, 2004
Postdoctoral Fellowship from the Deutsche Forschungs Gemeinschaft (DFG), 2005
Current: Merck OLED Materials GmbH
- (4) **Dr. Xian-Yong Wang** (MW Group: 2004 – 2006)
Ph.D., Tulane University, 2004
The Hanson Group LLC 2006 – 2015
Current: Koch Industries/Georgia-Pacific 2015 – present
- (5) **Dr. Kunsang Yoon** (MW Group: 2005 – 2007)
Ph.D., University of California at Riverside, 2003
Current: Serina Therapeutics, Inc.
- (6) **Dr. Xiaolai Zheng** (MW Group: 2004 – 2008)
Ph.D., Technical University Aachen, Germany, 2002
Current: BASF

- (7) **Dr. Yiqing Wang** (MW Group: 2006 – 2008)
Ph.D., Georgia Institute of Technology, 2006
Current: Assistant Professor Nanjing University, China
- (8) **Dr. Alexander Norman** (MW Group: 2007 – 2008)
Ph.D., University of Sheffield, Sheffield, United Kingdom, 2005
Current: Exxon/Mobile
- (9) **Dr. Ashootosh Ambade** (MW Group: 2007 – 2008)
Ph.D., Indian Institute of Technology Bombay, India, 2004
Current: Assistant Professor National Chemical Laboratory Pune, India
- (10) **Dr. Nandita Madhavan** (MW Group: 2006 – 2008)
Ph.D., University of Illinois, Urbana Champaign, 2005
Associate Professor IIT Madras, India 2008 – 2016
Current: Associate Professor IIT Mumbai, India 2016 – present
- (11) **Dr. Ke Feng** (MW Group: 2007 – 2009)
Ph.D., The Chinese Academy of Science, Beijing, China, 2007
Current: Senior researcher in the Key Laboratory of Photochemical Conversion and Optoelectronic Materials, Technical Institute of Physics and Chemistry, Chinese Academy of Science, China
- (12) **Dr. Minfeng Li** (MW Group: 2008 – 2010)
Ph.D., State University of New York, Buffalo, 2008
Current: Assistant Professor Beijing Normal University, China
- (13) **Dr. Cátia Cristina Capêlo Ornelas** (MW Group: 2008 – 2010)
Ph. D., Université Bordeaux, France, 2007
Current: Assistant Professor, University of Campinas (UNICAMP), Brazil 2012 – present
- (14) **Dr. Yu Liu** (MW Group: 2008 – 2011)
Ph.D., New York University, 2008
Current: Assistant Professor, Northern Michigan University 2011 – 2017
Associate Professor, Northern Michigan University 2017 – present
- (15) **Dr. José A. Castillo** (MW Group: 2010 – 2012)
Ph.D., Catalonia Institute for Advanced Chemistry-CSIC, Barcelona, Spain, 2007
Norbrook Laboratories Limited, Northern Ireland, 2013 – 2017
Current: Lamirsa 2017 – present
- (16) **Dr. John Henssler** (MW Group: 2010 – 2012)
Ph.D., University of Michigan, Ann Arbor, 2010
Current: Clinical Associate Professor, NYU
- (17) **Dr. Niels ten Brummelhuis** (MW Group: 2011 – 2013)
Ph.D., Max Planck Institute, Adlershof, Germany, 2011
Current: Habilitant Humboldt University, Germany 2013 – present
- (18) **Dr. Jonas Dimroth** (MW Group: 2012 – 2014)
Ph.D., Technical University Berlin, Berlin, Germany, 2011
Current: Clariant 2015 – present
- (19) **Dr. Rossella Tarallo** (MW Group: 2011 – 2012 and 2013 – 2015)
Ph.D., Università di Napoli "Federico II", Napoli, Italy, 2013

GRADUATE STUDENTS WHO GRADUATED WITH A PH.D.

2004

- (1) **Dr. Amy Meyers** (MW Group: 2000 – 2004)
B.S., University of West Florida, 2000
Ph.D., Georgia Institute of Technology, 2004
Thesis: “*The Design and Synthesis of Metal-Functionalized Poly(norbornene)s for Potential Use in Light-Emitting Diodes*”
Department of Education GAANN Fellow, 2000 – 2001
Office of Naval Research, Molecular Design Institute Fellow, 2001 – 2004
Intel 2004 – 2007
Current: McSwain Engineering 2008 – present
- (2) **Dr. Joel Pollino** (MW Group: 2000 – 2004)
B.S., Siena College, 1999
Ph.D., Georgia Institute of Technology, 2004
Thesis: “*The Universal Polymer Backbone Concept*”
Department of Education GAANN Fellow, 2000 – 2001, 2002 – 2003
Graduate Student PERC Fellowship, 2001 – 2002
DuPont Corporation 2004 – 2012
Current: Solvay 2012 – present

2006

- (1) **Dr. Joseph Carlise** (MW Group: 2000 – 2006)
B.S., Miami University, 2000
Ph.D., Georgia Institute of Technology, 2006
Thesis: “*Poly(norbornene) Supported Side-Chain Coordination Complexes: An Efficient Route to Functionalized Polymers*”
Nalco 2006 – 2011
Current: Cadbury 2011 – present

2007

- (1) **Dr. Warren Gerhardt** (MW Group: 2001 – 2007)
B.S., Pennsylvania State University, 2001
Ph.D., Georgia Institute of Technology, 2007
Thesis: “*Towards Supramolecular Multifunctional Architectures*”
Department of Education GAANN Fellow, 2004 – 2006
Current: Millikan Chemicals 2007 – present
- (2) **Dr. William Sommer** (MW Group: 2002 – 2007)
B.S., University of New Orleans, 2001
Ph.D., Georgia Institute of Technology, 2007
Thesis: “*Supported Catalysts, from Polymers to Gold Nanoparticles Supports*”
Current: Aldrich Chemical Company 2007 – present

2008

- (1) **Dr. Clint R. South** (MW Group: 2004 – 2008)
B.S., University of Northern Alabama, 2004
Ph.D., Georgia Institute of Technology, 2008
J.D., University of Virginia, 2014
NSF-REU Fellow, Summer 2003 (Weck group)
ACS Division of Organic Chemistry Fellowship, 2007 – 2008
Thesis: “*Polymer Side-Chains as Arms for Molecular Recognition*”

Ballard Spahr LLP, 2008-2012

Current: Clerk for the Court of Appeals for the Federal Circuit in Washington DC 2014 – present

- (2) **Dr. Caroline Burd** (MW Group: 2002 – 2008)
B.S., University of Miami, 2002
Ph.D., Georgia Institute of Technology, 2008
Thesis: “*Supramolecular Block and Random Copolymer Multifunctional Assemblies*”
Current: Merchant and Gould LLP 2009 – present
- (3) **Dr. Poorva Goyal** (MW Group: 2003 – 2008)
B.S., Indian Institute of Technology, India, 2003
Ph.D., Georgia Institute of Technology, 2008
MBA, Columbia, 2014
Thesis: “*Development of Dendritic and Polymeric Scaffolds for Biological and Catalysis Applications*”
Lipoid 2008 – 2012
Current: Capgemini Consulting 2014 – present
- (4) **Dr. Alpay Kimyonok** (MW Group: 2003 – 2008)
B.S., Bogazici University, Turkey, 2003
Ph.D., Georgia Institute of Technology, 2008
Thesis: “*Design and Synthesis of Side-Chain Functionalized Polymers for Electronics and Catalysis*”
The Scientific and Technological Research Council of Turkey (TUBITAK), Turkey, 2009-2010
TEKPOL Technical Polyurethanes Inc., Turkey 2010 – 2013
Current: Millikan Chemicals 2014 – present
- (5) **Dr. Kamlesh Nair** (MW Group: 2003 – 2008)
B.S., University Institute of Chemical Technology, India, 2003
Ph.D., Georgia Institute of Technology, 2008
Thesis: “*Multi-functionalized Side-chain Supramolecular Polymers: A Methodology Towards Tunable Functional Materials*”
Celanese 2008 – 2015
Current: Solvay 2015 – present

2009

- (1) **Dr. Si Kyung Yang** (MW Group 2005 – 2009)
M.S., Korea University, Korea, 2005
Ph.D., Georgia Institute of Technology, 2009
Thesis: “*Orthogonal Functionalization Strategies in Polymeric Materials*”
Postdoctoral Fellow, UIUC, Steve Zimmerman 2009 – 2012
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2012

- (1) **Dr. Hwayoon Jung** (MW Group: 2008 – 2012)
B.S. Hallym, Korea, 2002
M.S. Sogang, Korea, 2004
Ph.D., New York University, 2013
Thesis: “*Complex Macromolecular Architectures for Potential Biological Applications*”
Current: LG, South Korea 2013 – present

2013

- (1) **Dr. Joy Romulus** (MW Group: 2007 – 2013)

B.S., State University of New York, Binghamton, 2006

Kramer Fellow, 2010 – 2011

Thesis: “*Exploiting Supramolecular Interactions for the Intramolecular Folding of Side-Chain Functionalized Polymers and Assembly of Anisotropic Colloids*”

Postdoctoral Fellow, Stuart Rowan’s group Case Western (2013 – 2014)

Ashland, Inc. 2014 – 2016

Current: Lipoid 2016 – present

(2) **Dr. Yufeng Wang** (MW Group 2009 – 2013)

B.S. Beijing University, China, 2008

Horizon Fellow, 2012 – 2013

Thesis: “*Colloids with Valence: Fabrication & Directed Assembly*”

Postdoctoral Fellow, David Pine’s group NYU (2013 – 2014)

Postdoctoral Fellow, Jeremiah Johnson’s group MIT 2014 – 2016

Current: Assistant Professor University of Hong Kong 2016 – present

2014

(1) **Dr. Thomas Patrick Carberry** (MW Group: 2010 – 2014)

B.S. Fordham University, New York 2009

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Thesis: “*Design and Synthesis of Newkome-type Peptidodendrimers towards Biomedical Applications*”

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B.S. State University of New York, Stony Brook, 2001

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Thesis: “*Rational Design of Polymer-Supported Cobalt (III) Salen Catalysts for the Hydrolytic Kinetic Resolution of Terminal Epoxides*”

Current: Lipoid 2014 – present

(3) **Dr. Dorothee E. Borchmann** (MW Group: 2011 – 2014)

Diploma Johannes Gutenberg University, Mainz, Germany 2009

Sokol Fellow, 2013 – 2014

Thesis: “*Functionalized Poly(lactide)s: Synthesis, Characterization and Biological Applications*”

Current: Clariant 2014 – present

2015

(1) **Dr. Yu Wang** (MW Group 2010 – 2015)

B.S. University of Science and Technology, China, 2009

Dean’s Dissertation Fellowship, 2013 – 2014

Thesis: “*Colloids with Directional and Reconfigurable Interactions*”

Current: PPG Industries 2015 – present

(2) **Dr. Jie Lu** (MW Group: 2011 – 2015)

Nankai University, China

Thesis: “*Core-Shell Micelle-Based Nanoreactor for Catalytic Applications: Design, Synthesis and Catalytic Studies*”

Current: Evonik 2015 – present

2016

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B.S. North Carolina State University, Raleigh, 2009
Thesis: “*Synthesis of Poly(isocyanide)s as Helical Block Copolymers*”
Current: Grant Industries 2016 – present

2017

- (1) **Dr. Elizabeth Anne Kaufman** (MW Group: 2012 – 2017)
B.S. Haverford College, Haverford, 2011
Thesis: “*Optimization of Architecture and Generation for Dendrimer Applications*”
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- (2) **Dr. Xiaolong Zheng** (MW Group 2013 – 2017)
B.S. Wuhan University, China, 2008
Sokol Fellowship 2016/17
Thesis: “*DNA-Directed Programmable Self-Assembly of Colloidal Superstructures*”
Current: Postdoctoral Fellow Weck Group 2017 – present
- (3) **Dr. Kylie Manning** (MW Group: 2013 – 2017)
B.S. Susquehanna University, Selinsgrove, 2012
Kramer Fellowship 2016/17
Thesis: “*Helical Poly(methacrylamide)s and Their Incorporation into Supramolecular Block Copolymers*”
Current: Senior Scientist Sandia National Laboratories 2017 – present

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Diploma, University of Erlangen, Germany, 2008

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B.S., Georgia Institute of Technology, 2002
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MRS Undergraduate Materials Research Initiative Award, 2002
NSF-REU Fellow, Summer 2002
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- (2) **Shyam Bohra** (MW Group: 2004)
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B.S., New York University, 2009
DURF Fellow, 2008
Georgetown Medical School
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Departmental Scholar Award, 2011
George Granger Brown Award, 2011
Outstanding Senior Honor Thesis, 2011
Albert S. Borgman/Phi Beta Kappa Thesis Prize for the best Honors Thesis in the Sciences, 2011
- (13) **Alexander Taub** (MW Group: 2011 – 2012)
B.S., New York University, 2012
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