

## Curriculum Vitae C. Remzi Becer

### Office address

School of Engineering and Materials Science  
Queen Mary, University of London  
E1 4NS London  
United Kingdom  
+44 20 7882 6534  
[www.becergroup.com](http://www.becergroup.com)

### Home address:

213 Malkin Drive  
CM17 9HJ Harlow  
United Kingdom  
+44 7540 303879  
[r.becer@qmul.ac.uk](mailto:r.becer@qmul.ac.uk)

---

### Education

- Post Graduate Certificate in Academic and Professional Practice** 2012-....  
*University of Warwick*
- PhD**, Chemical Engineering and Chemistry 2005-2009  
*Eindhoven University of Technology*  
Thesis title: Controlling Polymer Architectures: High-throughput experimentation, tailor-made macromolecules and glycopolymers via click reactions
- MSc**, Polymer Science and Technology  
*Istanbul Technical University*  
Thesis title: Synthesis of alkylated linear amine ligands for ATRP of Styrene and MMA 2003-2005
- BSc**, Chemistry  
*Istanbul Technical University*  
Thesis title: Conductive polymer blends based on PEDOT 1997-2003

### Current position

*Queen Mary, University of London* 2013-....  
London, United Kingdom  
Senior Lecturer in Materials Science and Director of Polymer Science and Technology MEng course

### Previous positions

- University of Warwick* 2010-2013  
Coventry, United Kingdom  
Science City Senior Research Fellow and Co-director of Polymer Chemistry MSc course
- Friedrich-Schiller University of Jena* 2009-2012  
Jena, Germany  
Visiting scientist
- Dutch Polymer Institute* 2009-2012  
Eindhoven, The Netherlands  
Project leader in high-throughput experimentation cluster
- University of Warwick* 2009-2011  
Coventry, United Kingdom  
Marie Curie Research Fellow Prof. David M. Haddleton
- Friedrich-Schiller University of Jena* 2009-2009  
Jena, Germany  
Post-doctoral researcher Prof. Ulrich S. Schubert
- Eindhoven University of Technology* 2005-2009  
Eindhoven, The Netherlands  
Graduate student Prof. Ulrich S. Schubert

## Honours and Awards

Promotion to Science City Senior Research Fellow	2011
Science City Research Fellowship	2010
Marie Curie Research Fellowship	2008

## Professional Memberships

Royal Society of Chemistry (MRSC)	2009-....
American Chemical Society (ACS)	2008-....
Polymer Division (ACS-Poly)	2008-....
Associate Editor of Frontiers in Biomaterials journal	2013-....
Advisory board member of RSC journal-Polymer Chemistry	2012-....
Editorial advisory board member of Open Access Journal-Click Chemistry	2012-2013

Referee for several EU funding agencies and journals	2009-....
-Agence Nationale Recherche (ANR)	-Prion Institute (Canada)
-Fonds Wetenschappelijk Onderzoek-Vlaanderen (FWO)	-British Council
-Small	-Journal of Materials Chemistry
-Biomacromolecules	-Chemical Communications
-ACS Symposium Series	-Polymer Chemistry
-Macromolecular Rapid Communications	-Macromolecular Chemistry and Physics
-European Polymer Journal	-European Journal of Lipid Science
-ACS Combinatorial Science	-Australian Journal of Chemistry

## Teaching and supervision

### 2013

Director of the Polymer Science and Technology MEng taught programme  
DEN4001 -Engineering materials in design (lecture 8 h, number of students ~ 250)  
MAT100 -Materials Science 1: Properties of Matter (lecture 6h, number of students ~55)  
MAT7797 -Advanced Polymer Synthesis (lecture 12h. number of students ~15)  
MAT206 -Materials Science 2: Processing and Applications (lecture 9h, number of students ~55)  
1 PhD, 2 MEng, 4 3<sup>rd</sup> year project students have started. Weekly meetings with 5 tutees.

### 2012

Co-director of the Polymer Chemistry Taught Master Course at Warwick (started in October 2012)  
Secretary of the exam board of the Polymer Chemistry MSc  
Member of the Postgraduate Committee in the Department of Chemistry  
Registered for a postgraduate certificate in academic and professional practice which was know before as Warwick Teaching Certificate.  
CH967-Fundamentals of Polymerization (lecture 3h, lab workshop 6h)  
CH968-Molecular Characterization of Polymers (module leader)  
CH969-Physical Properties of Polymers (lab workshop 6h)  
CH970-Polymers in the Real World (lecture series)  
CH913-Real World Analysis (module leader, ~80h contact time)  
CH242-Polymer Chemistry (tutorials, 8h)  
CH160-Inorganic Chemistry (tutorials, 6h)  
CH3E3-Frontiers in Chemistry (workshop, 3h)  
3 MChem projects are completed. 2 MChem and 1PhD projects started.

## 2011

CH242-Polymer Chemistry (tutorials, 8h)  
CH160-Inorganic Chemistry (tutorials, 6h)  
CH3E3-Frontiers in Chemistry (workshop, 2h)  
2MChem projects are completed and 1 PhD project initiated.

## 2010

Macromolecular Chemistry (lecture, 15h) in Friedrich-Schiller University of Jena  
2 PhD students in Jena were supervised from distance via video conference.

## Funding and projects

### 2013

Materials Research Institute (£75k)  
*Sentinel: A giant macromolecule to sense specific lectins to deliver drugs*  
PhD studentship- Joint project with Prof. Marina Resmini from SBCS, QMUL.

Queen Mary, University of London  
*Start up package for the Becer Group*

### 2012

Turkish Ministry of Economy and Turkish Land Forces (£197k)  
*Development of new polymer synthesis techniques for smart materials*

British Council: UK-Turkey Knowledge Partnership Project (£20k)  
*Designer polymers for selective targeting and enhanced intracellular delivery of biologics*, in collaboration with Volga Bulmus (Izmir Institute of Technology), Bilim Pharmaceuticals (Turkey), PolyTherics (London).

### 2011

Innospec Limited together with Warwick Collaborative Postgraduate Scholarship Scheme (£65k)  
Funding for a PhD project on *functional polymers as oil additives*

### 2010

Science City Research Fellowship (£300k)  
*Stimuli-responsive polymer coated magnetic nanoparticles*

### 2009

Marie Curie Research Fellowship (€300k)  
*Polymer-protein conjugates*

## Recent Lectures and Presentations

*Invited lecture*, University College London, Department of Chemistry (Nov 27, 2013)

*Co-organizer* of European Science Foundation, Precision to Materials Workshop in Ghent, Belgium (August 25-27, 2013)

*Co-organizer* of Warwick Polymer Conference 2012 (July 9, 2012)

*Invited lecture*, Centre for Advanced Materials and Design (CAMD, University of New South Wales, Sydney, AU (Feb 17, 2012)

*Keynote lecture*, 33<sup>rd</sup> Australasian Polymer Symposium, Tasmania, AU (Feb 13, 2012)

*Invited lecture*, Commonwealth Scientific and Industrial Research Organization (CSIRO), Melbourne, AU (Feb

10, 2012)

*Invited lecture*, Precision Materials Workshop, European Science Foundation (ESF), Strasbourg, FR (Dec 12, 2011)

*Oral presentations*, 242<sup>nd</sup> ACS Meeting in Denver, Colorado, US (Aug 28, 2011)

*Invited lecture*, Tongji University, Shanghai, CN (Jul 28, 2011)

*Invited lecture*, Soochow University, Suzhou, CN (Jul 27, 2011)

*Invited lecture*, Unilever, Shanghai, CN (Jul 26, 2011)

*Invited lecture*, Fudan University, Shanghai, CN (Jul 25, 2011)

*Poster presentation*, High Polymer Research Group, Pott Shrigley, UK (Apr 18, 2011)

*Oral presentations*, 241<sup>st</sup> ACS Meeting in Anaheim, California, US (Mar 28, 2011)

*Invited lecture*, University of Bordeaux, Bordeaux, FR (Nov 29, 2010)

*Oral presentation*, Hellenic Polymer Conference, Crete, GR (Oct 25, 2010)

*Invited presentations*, 240<sup>th</sup> ACS Meeting in Boston, Massachusetts, US (Aug 23, 2010)

*Invited presentations*, IUPAC World Polymer Conference, Glasgow, UK (Jul 12, 2010)

*Invited presentation*, Bogazici University, Istanbul, TR (Dec 22, 2009)

*Invited presentations*, Kyoto University, Kyoto, JP (Nov 12, 2008)

## List of publications

(Becer CR, current h-index: 23, total citations>1600 (in Scopus), \* is for the corresponding authorship)

- \*59. A New Proton-Sponge Polymer Synthesized by RAFT Polymerization for Intracellular Delivery of Biotherapeutics  
Kurtulus I, Yilmaz G, Ucuncu M, Emrullahoglu M, **Becer CR** and Bulmus V  
*Polym. Chem.* **2014**, in press.
- 58. Absolut "copper catalyzation perfected"; robust living polymerization of NIPAM: Guinness is good for SET-LRP  
Waldron C, Zhang Q, Li Z, Nikolaou V, Nurumbetov G, Godfrey J, McHale R, Yilmaz G, Randev RK, Girault M, McEwan K, Haddleton DM, Driesbeke M, Haddleton AJ, Wilson P, Simula A, Collins J, Lloyd DJ, Burns JA, Summers C, Houben C, Anastasaki A, Li M, **Becer CR**, Kiviaho JK and Risangud N  
*Polym. Chem.* **2014**, 5, 57-61.
- \*57. Synthetic Glycopolypeptides as Potential Inhibitory Agents for Dendritic Cells and HIV-1 Trafficking  
Huang J, Zhang Q, Li GZ, Haddleton DM, Wallis R, Mitchell DA, Heise A, **Becer CR**  
*Macromol. Rapid Commun.* **2013**, 19, 1542-1546.
- \*56. Precision glycopolymers and their interactions with lectins  
Yilmaz G, **Becer CR**  
*Eur. Polym. J.* **2013**, 10, 3046-3051.
- 55. Non-Amide Kinetic Hydrate Inhibitors: Performance of a Series of Polymers of Isopropenyloxazoline on Structure II Gas Hydrates  
Reyes, FT, Malins EL, **Becer CR**, Kelland M  
*ACS Fuels* **2013**, 6, 3154-3160.
- 54. Sequence controlled multi-block glycopolymers to inhibit DC-SIGN gp120 binding  
Zhang Q, Collins J, Anastasaki A, Wallis R, Mitchell DA, **Becer CR**, Haddleton DM  
*Angew. Chem. Int Ed.* **2013**, 52, 4435-4439.
- 53. A detailed study on understanding glycopolymer library and ConA interactions  
Gou Y, Richards SJ, Burns J, **Becer CR**, Haddleton DM  
*J. Polym. Sci. Part A: Polym. Chem.* **2013**, 12, 2588-2597.
- 52. Thermo-induced self-assembly of responsive poly(DMAEMA-b-DEGMA) block copolymers into multi- and unilamellar vesicles  
Pietsch C, Mansfeld U, Guerrero-Sanchez C, Hoepfener S, Vollrath A, Wagner M, Hoogenboom R, Thang S. H., **Becer CR**, Chiefari J, Schubert US  
*Macromolecules* **2012**, DOI:10.1021/ma301867h.
- \*51. Cyclodextrin-centred star polymers synthesized via a combination of thiol-ene click and ring opening polymerization  
Zhang Q, Li GZ, **Becer CR**, Haddleton DM  
*Chem. Commun.* **2012**, 48, 8063-8065.

- \*50. Investigations on the combination of CROP and SET-LRP to synthesize 2-ethyl-2-oxazoline block copolymers  
Young R, Malins E, Becer CR  
*Aust. J. Chem.* **2012**, *65*, 1132-1138.
- \*49. Block copolymers of poly(2-oxazoline)s and poly(meth)acrylates: A crossover between CROP and RAFT  
Krieg A, Weber C, Hoogenboom R, Becer CR, Schubert US  
*ACS Macro Lett.* **2012**, *1*, 776-779.
48. Uptake of well-defined, highly-glycosylated, pentafluorostyrene-based polymers and nanoparticles by human hepatocellular carcinoma cells  
Babiuch K, Pretzel D, Tolstik T, Vollrath A, Stanca S, Foertsch F, Becer CR, Gottschaldt M, Biskup C, Schubert US  
*Macromol. Bio. Sci.* **2012**, *33*, 1190-1199.
- \*47. The Glycopolymer Code: Synthesis of glycopolymers and multivalent carbohydrate lectin interactions  
Becer CR  
*Macromol. Rapid Commun.* **2012**, *33*, 742-752. (Invited article for special issue: "Polymer Science: The next generation")
- \*46. Controlled Alternate Layer-by-Layer Assembly of Lectins and Glycopolymers using QCM-D  
Gou Y, Slavin S, Geng J, Voorhaar L, Haddleton DM, Becer CR  
*ACS Macro. Lett.* **2012**, *1*, 180-183.
- \*45. 2-Iso-propenyl-2-oxazoline: A versatile monomer for functionalization of polymers obtained via RAFT  
Weber C, Neuwirth T, Kempe K, Ozkahraman E, Tamahkar B, Mert H, Becer CR, Schubert US  
*Macromolecules* **2012**, *42*, 20-27.
44. Adsorption behaviour of sulfur containing polymers to gold surfaces using QCM-D  
Slavin S, Soeriyadi A, Voorhaar L, Whittaker MR, Becer CR, Boyer C, Davis TP, Haddleton DM  
*Soft Matter* **2012**, *8*, 118-128.
- \*43. Clicking on/with polymers: a rapidly expanding field for the straightforward preparation of novel macromolecular architectures  
Kempe K, Krieg A, Becer CR, Schubert US  
*Chem. Soc. Rev.* **2012**, *41*, 176-191.
42. Thermal Properties of Oligo(2-ethyl-2-oxazoline)Containing Comb and Graft Copolymers and their Aqueous Solutions  
Weber C, Krieg A, Paulus R, Becer CR, Hoogenboom R, Schubert US  
*Macromol. Symp.* **2011**, *308*, 17-24.
- \*41. Microwave-assisted polymerizations: recent status and future perspectives  
Kempe K, Becer CR, Schubert US  
*Macromolecules* **2011**, *44*, 5825-5842.
40. Adhesion of Preosteoblasts and Fibroblasts onto Poly(pentafluorostyrene)-Based Glycopolymeric Films and their Biocompatibility  
Babiuch K, Becer CR, Gottschaldt M, Delaney JT, Weisser J, Beer B, Wyrwa R, Schnabelrauch M, Schubert US  
*Macromol. Biosci.* **2011**, *11*, 535-548.
39. Cu(0) Mediated Polymerization in Toluene Using Online Rapid GPC Monitoring  
Levere ME, Willoughby I, O'Donohue S, Wright PM, Grice AJ, Fidge C, Becer CR, Haddleton DM  
*J. Polym. Sci. Part A: Polym. Chem.* **2011**, *49*, 1753-1763.
38. Functionalized, Biocompatible Coating for Superparamagnetic Nanoparticles by Controlled Polymerization of a Thioglycosidic Monomer  
Babiuch K, Wyrwa R, Wagner K, Seemann T, Hoepfner S, Becer CR, Linke R, Gottschaldt M, Weisser J, Schnabelrauch M, Schubert US  
*Biomacromolecules* **2011**, *12*, 681-691.
- \*37. Glycopolymers via click reactions  
Slavin S, Burns J, Haddleton DM, Becer CR  
*Eur. Polym. J.* **2011**, *47*, 435-446.
36. Synthesis and modification of thermoresponsive poly(oligo(ethylene glycol) methacrylate) via catalytic chain transfer polymerization and thiol-ene Michael addition  
Soeriyadi AH, Li GZ, Slavin S, Jones MW, Amos CM, Becer CR, Whittaker MR, Haddleton DM, Boyer C, Davis T  
*Polym. Chem.* **2011**, *2*, 815-822.

35. Optimised click synthesis of glycopolymers: Utilisation of oligosaccharides to incorporate difficult carbohydrate stereochemistries onto multivalent scaffolds  
Vinson N, **Becer CR**, Gou Y, Gibson M, Haddleton DM  
*Polym. Chem.* **2010**, 2, 107-113.
34. High fidelity vinyl terminated polymers by combining RAFT and cobalt catalytic chain transfer polymerization methods  
Soeriyadi AH, Boyer C, Burns J, **Becer CR**, Whittaker M, Haddleton DM, Davis TP  
*Chem. Commun.* **2010**, 46, 6338-40.
33. High affinity glycopolymer binding to DC-SIGN with potential to inhibit HIV adhesion  
**Becer CR**, Gibson MI, Ilyas R, Wallis R, Mitchell DA, Haddleton DM  
*J. Am. Chem. Soc.* **2010**, 132, 15130-15132.
- \*32. Clickable initiators, monomers and polymers in controlled radical polymerizations – a prospective combination in polymer science  
Mansfeld U, Pietsch C, Hoogenboom R, **Becer CR**, Schubert US  
*Polym. Chem.* **2010**, 1, 1560-1599.
- \*31. Dual Hydrophilic Polymers Based on (meth)acrylic Acid and Poly(ethyleneglycol) and Their Water-Uptake Behavior  
Krieg A, Pietsch C, **Becer CR**, Schubert US  
*Polym. Chem.* **2010**, 1, 1669-1676.
30. Absolute Block Length Determination of PEG-*b*-PS by MALDI TOF MS/MS  
Crecelius A, **Becer CR**, Knop K, Schubert US  
*J. Polym. Sci. Part A: Polym. Chem.* **2010**, 48, 4375-4384.
29. Self Healing and Self Mendable Polymers  
Syrett J, **Becer CR**, Haddleton DM  
*Polym. Chem.* **2010**, 1, 978-987.
28. Assessment of SET-LRP Reactions in DMSO via Online Monitoring with in-situ FT-NIR, Thermocouple and Rapid GPC  
Levere ME, Willoughby I, O'Donohue S, de Cuendias A, Grice AJ, Fidge CD, **Becer CR**, Haddleton DM  
*Polym. Chem.* **2010**, 1, 1086-1094.
27. Investigation into Thiol-(Meth)acrylate Michael-Addition Reactions using Amine and Phosphine Based Catalysts  
Li GZ, Randev RK, Soeriyadi AH, Rees G, Boyer C, Davis TP, **Becer CR**, Haddleton DM  
*Polym. Chem.* **2010**, 1, 1196-1204.
26. Solubility and Thermoresponsiveness of PMMA in Alcohol-Water Solvent Mixtures  
Hoogenboom R, **Becer CR**, Guerrero-Sanchez C, Hoepfener S, Schubert US  
*Aus. J. Chem.* **2010**, 63, 1173-1178.
25. Dual RAFT Polymerization Meets Coordination Chemistry: Synthesis of a Polymer-Based Iridium(III) Emitter  
Ulbricht C, **Becer CR**, Winter A, Schubert US  
*Macromol. Rapid Commun.* **2010**, 31, 827-833.
24. Metal-Free Synthesis of Responsive Polymers: Cloud Points Tuned by Controlled "Click" Reaction  
**Becer CR**, Kokado K, Weber C, Can A, Chujo Y, Schubert US  
*J. Polym. Sci. Part A: Polym. Chem.* **2010**, 48, 1278-86.
23. Parallel Optimization and High-Throughput Preparation of Well-Defined Copolymer Libraries Using Controlled/"Living" Polymerization Methods  
**Becer CR**, Schubert US  
*Adv. Polym. Sci.* **2010**, 225, 17-62.
22. Dual Responsive Methacrylic Acid and Oligo(2-ethyl-2-oxazoline) Containing Graft Copolymers  
Weber C, **Becer CR**, Guenther W, Hoogenboom R, Schubert US  
*Macromolecules* **2010**, 43, 160-167.
21. Self-assembly of double hydrophobic block copolymers in water-ethanol mixtures: from micelles to thermoresponsive micellar gels  
Hoogenboom R, Rogers S, Can A, **Becer CR**, Guerrero-Sanchez C, Wouters D, Hoepfener S, Schubert US  
*Chem. Commun.* **2009**, 37, 5582-5584.

20. Click Chemistry beyond Metal-Catalyzed Cycloaddition  
[Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Angew. Chem. Int. Ed.* **2009**, *48*, 4900-4908.
19. Synthetic polymeric nanoparticles by nanoprecipitation  
[Hornig S](#), [Heinze T](#), [Becer CR](#), [Schubert US](#)  
*J. Mater. Chem.* **2009**, *19*, 3838-3840.
18. Lower Critical Solution Temperature Behavior of Comb and Graft Shaped Poly[oligo(2-ethyl-2-oxazoline)methacrylate]s  
[Weber C](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Macromolecules* **2009**, *42*, 2965-2971.
17. Preparation of Methacrylate End-Functionalized Poly(2-ethyl-2-oxazoline) Macromonomers  
[Weber C](#), [Becer CR](#), [Baumgaertel A](#), [Hoogenboom R](#), [Schubert US](#)  
*Des. Monomers Polym.* **2009**, *12*, 149-165.
16. Clicking Pentafluorostyrene Copolymers: Synthesis, Nanoprecipitation, and Glycosylation  
[Becer CR](#), [Babiuch K](#), [Pilz D](#), [Hornig S](#), [Heinze T](#), [Gottschaldt M](#), [Schubert US](#)  
*Macromolecules* **2009**, *42*, 2387-2394.
15. High Temperature Initiator-Free RAFT Polymerization of Methyl Methacrylate in a Microwave Reactor  
[Paulus RM](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Aus. J. Chem.* **2009**, *62*, 254-259.
14. Tailor Made Side-Chain Functionalized Macromolecules by Combination of Controlled Radical Polymerization and Click Chemistry  
[Krieg A](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Macromol. Symp.* **2008**, *275*, 73-81.
13. Simplifying the Free-Radical Polymerization of Styrene: Microwave-Assisted High-Temperature Auto Polymerizations  
[Erdmenger T](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Aus. J. Chem.* **2009**, *62*, 58-63.
12. Copolymers Containing Phosphorescent Iridium(III) Complexes Obtained by Free and Controlled Radical Polymerization Techniques  
[Ulbricht C](#), [Becer CR](#), [Winter A](#), [Schubert US](#)  
*Macromol. Rapid Commun.* **2008**, *29*, 1919-1925.
11. Libraries of Methacrylic Acid and Oligo(ethylene glycol) Methacrylate Copolymers with LCST Behavior  
[Becer CR](#), [Hahn S](#), [Fijten MWM](#), [Thijs HML](#), [Hoogenboom R](#), [Schubert US](#)  
*J. Polym. Sci. Part A: Polym. Chem.* **2008**, *46*, 7138-7147.
10. Protocol for automated kinetic investigation/optimization of the RAFT polymerization of various monomers  
[Becer CR](#), [Groth AM](#), [Hoogenboom R](#), [Paulus RM](#), [Schubert US](#)  
*QSAR Comb. Sci.* **2008**, *27*, 977-983.
9. MALDI-TOF MS coupled with collision-induced dissociation (CID) measurements of poly(methyl methacrylate)  
[Baumgaertel A](#), [Becer CR](#), [Gottschaldt M](#), [Schubert US](#)  
*Macromol. Rapid Commun.* **2008**, *29*, 1309-1315.
8. Libraries of statistical hydroxypropyl acrylate containing copolymers with LCST properties prepared by NMP  
[Eggenhuisen TM](#), [Becer CR](#), [Fijten MWM](#), [Eckardt R](#), [Hoogenboom R](#), [Schubert US](#)  
*Macromolecules* **2008**, *41*, 5132-40.
7. Synthesis of poly(2-ethyl-2-oxazoline)-b-poly(styrene) copolymers via a dual initiator route combining cationic ring-opening polymerization and atom transfer radical polymerization  
[Becer CR](#), [Paulus RM](#), [Hoppener S](#), [Hoogenboom R](#), [Fustin CA](#), [Gohy JF](#), [Schubert US](#)  
*Macromolecules* **2008**, *41*, 5210-5215.
6. Acetyl halide initiator screening for the cationic ring-opening polymerization of 2-ethyl-2-oxazoline  
[Paulus RM](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Macromol. Chem. Phys.* **2008**, *209*, 794-800.
5. Water uptake of hydrophilic polymers determined by a thermal gravimetric analyzer with a controlled humidity chamber  
[Thijs HML](#), [Becer CR](#), [Guerrero-Sanchez C](#), [Fournier D](#), [Hoogenboom R](#), [Schubert US](#)  
*J. Mater. Chem.* **2007**, *17*, 4864-4871.

4. Cu(II)-mediated ATRP of MMA by using a novel tetradentate amine ligand with oligo(ethylene glycol) pendant groups  
[Becer CR](#), [Hoogenboom R](#), [Fournier D](#), [Schubert US](#)  
*Macromol. Rapid Commun.* **2007**, *28*, 1161-1166.
3. Scale-up of microwave-assisted polymerizations in continuous-flow mode: Cationic ring-opening polymerization of 2-ethyl-2-oxazoline  
[Paulus RM](#), [Erdmenger T](#), [Becer CR](#), [Hoogenboom R](#), [Schubert US](#)  
*Macromol. Rapid Commun.* **2007**, *28*, 484-491.
2. Patterned polymer brushes grafted from bromine-functionalized, chemically active surface templates  
[Becer CR](#), [Haensch C](#), [Hoepfener S](#), [Schubert US](#)  
*Small* **2007**, *3*, 220-225.
1. Optimization of the nitroxide-mediated radical polymerization conditions for styrene and tert-butyl acrylate in an automated parallel synthesizer  
[Becer CR](#), [Paulus RM](#), [Hoogenboom R](#), [Schubert US](#)  
*J. Polym. Sci. Part A: Polym. Chem.* **2006**, *44*, 6202-6213.

### Book chapters

3. Glycopolymers via post-polymerization modification techniques  
[Burns JA](#), [Gibson MI](#), [Becer CR](#)  
*Functional Polymers by Postpolymerization Modification*, Ed. By Harm-Anton Klok and Patrick Theato, Wiley, **2012**, Chapter 10, ISBN: 978-3-527-33115-4
2. Synthesis and SEC characterization of poly(methyl methacrylate) star polymers  
[Burns JA](#), [Haddleton DM](#), [Becer CR](#)  
*ACS Symp. Series* **2012**, *1101*, 81-98. ISBN: 978-0-841-22757-6
1. Alkylated linear amine ligands for homogeneous atom transfer radical polymerization  
[Acar MH](#), [Becer CR](#), [Inceoglu S](#), [Ondur HA](#)  
*ACS Symp. Series* **2006**, *944*, 98-110. ISBN: 978-0-841-23991-3

### American Chemical Society Polymer Preprints

22. Functionalization of poly(N-iso-propyl acrylamide) by nucleophilic attack on pendant 2-oxazoline rings  
[Weber, C](#), [Neuwirth, T](#), [Hoepfener, S](#), [Gottschaldt, M](#), [Becer, CR](#), [Schubert, US](#)  
 Conference Information: 239th American-Chemical-Society National Meeting, MAR 25-29, 2012 San Diego, CA  
 ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 240 Meeting Abstract: POLY  
 Published: AUG 2012
21. MALDI-TOF MS/MS analysis of the block copolymer mPEG-b-PS  
[Crecelius A](#), [Knop K](#), [Becer CR](#), [Schubert US](#)  
 Conference Information: 239th American-Chemical-Society National Meeting, MAR 25-29, 2012 San Diego, CA  
 ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 240 Meeting Abstract: POLY  
 Published: AUG 2012
20. Glycopolymers for DC-SIGN recognition and competition with HIV glycoprotein  
[Haddleton DM](#), [Becer CR](#), [Gibson MI](#)  
 Conference Information: 239th American-Chemical-Society National Meeting, MAR 25-29, 2012 San Diego, CA  
 ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 240 Meeting Abstract: POLY  
 Published: AUG 2012
19. Synthesis of novel cyclodextrin-centered drug delivery system via click chemistry and living radical polymerization  
[Zhang Q](#), [Haddleton DM](#), [Becer CR](#)  
 Conference Information: 239th American-Chemical-Society National Meeting, AUG 28-02, 2011 Denver, CO  
 ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 239 Meeting Abstract: POLY  
 Published: AUG 28 2011
18. Synthesis of well-defined glycopolymers in various architectures and their interactions with DC-SIGN  
[Slavin S](#), [Voorhaar L](#), [Mitchell DM](#), [Ilyas R](#), [Gibson MI](#), [Haddleton DM](#), [Becer CR](#)  
 Conference Information: 239th American-Chemical-Society National Meeting, AUG 28-02, 2011 Denver, CO  
 ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 239 Meeting Abstract: POLY  
 Published: AUG 28 2011



17. Systematic glycopolymer library approach to understand the carbohydrate-lectin interactions  
[Becer CR](#), [Gibson MI](#), [Mitchell DA](#), [Haddleton DM](#)  
Conference Information: 238th American-Chemical-Society National Meeting, MAR 27-31, 2011 Anaheim, CA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 238 Meeting Abstract: POLY  
Published: MAR 27 2011
16. Thiol-para fluoro click reactions: From thermo-responsive polymers to glycopolymers and nanoparticles  
[Becer CR](#), [Babiuch K](#), [Hornig S](#), [Gottschaldt M](#), [Kokado K](#), [Chujo Y](#), [Schubert US](#)  
237<sup>th</sup> American-Chemical-Society National Meeting, AUG 29-02, 2009 Boston, MA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 237 Meeting Abstract: POLY  
Published: AUG 29 2010
15. Combination of controlled radical polymerization and click reactions to obtain glycopolymers and their interactions with lectins  
[Becer CR](#), [Gibson MI](#), [Mitchell DA](#), [Haddleton DM](#)  
237<sup>th</sup> American-Chemical-Society National Meeting, AUG 29-02, 2009 Boston, MA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 237 Meeting Abstract: 600-POLY  
Published: AUG 29 2010
14. Nanoprecipitation: An efficient technique for the preparation of versatile polymeric nanoparticles  
[Hornig S](#), [Heinze T](#), [Becer CR](#), [Schubert US](#)  
237<sup>th</sup> American-Chemical-Society National Meeting, AUG 30-03, 2009 Washington, DC  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 237 Meeting Abstract: POLY  
Published: AUG 30 2009
13. Nanoparticulate pentafluorostyrene copolymers  
[Schubert US](#), [Hornig S](#), [Becer CR](#), [Babiuch K](#), [Pilz D](#), [Heinze T](#), [Gottschaldt M](#)  
237<sup>th</sup> American-Chemical-Society National Meeting, AUG 30-03, 2009 Washington, DC  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 237 Meeting Abstract: POLY  
Published: AUG 30 2009
12. Synthesis of well-defined fluorinated glycopolymers  
[Becer CR](#), [Babiuch K](#), [Gottschaldt M](#), [Schubert US](#)  
237<sup>th</sup> American-Chemical-Society National Meeting, AUG 30-03, 2009 Washington, DC  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 237 Meeting Abstract: POLY  
Published: AUG 30 2009
11. POLY 600-Tuning the cloud points of random copolymers based on methacrylic acid and oligoethyleneglycol methacrylate  
[Becer CR](#), [Hoogenboom R](#), [Hahn S](#), [Schubert US](#)  
235<sup>th</sup> American-Chemical-Society National Meeting, APR 06-10, 2008 New Orleans, LA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 235 Meeting Abstract: 600-POLY  
Published: APR 6 2008
10. POLY 422-High-throughput optimization of nitroxide mediated radical polymerizations as basis for the synthesis of temperature-responsive copolymers  
[Hoogenboom R](#), [Eggenhuisen TM](#), [Becer CR](#), [Schubert US](#)  
236<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 17-21, 2008 Philadelphia, PA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 236 Meeting Abstract: 422-POLY  
Published: AUG 17 2008
9. POLY 160-Cationic ring opening polymerization of 2-ethyl-2-oxazoline with acetyl halide initiators  
[Becer CR](#), [Paulus RM](#), [Hoogenboom R](#), [Schubert US](#)  
236<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 17-21, 2008 Philadelphia, PA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 236 Meeting Abstract: 160-POLY  
Published: AUG 17 2008
8. Dual initiator for the synthesis of poly(2-ethyl-2-oxazoline)-b-(styrene) copolymers via combination of controlled/living polymerization techniques  
[Becer CR](#), [Paulus RM](#), [Hoeppener S](#), [Hoogenboom R](#), [Fustin CA](#), [Gohy, JF](#), [Schubert US](#)  
236<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 17-21, 2008 Philadelphia, PA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 236 Meeting Abstract: 423-POLY  
Published: AUG 17 2008
7. MALDI-TOF/TOF MS measurements of PMMA  
[Becer CR](#), [Baumgaertel A](#), [Gottschaldt M](#), [Schubert US](#)  
236<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 17-21, 2008 Philadelphia, PA

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 236 Meeting Abstract: 91-POLY  
Published: AUG 17 2008

6. Grafting of thio glucose onto styrene and pentafluorostyrene containing polymers prepared via NMP  
[Becer CR](#), [Pilz D](#), [Babiuch K](#), [Kuebel J](#), [Jaehnert T](#), [Gottschaldt M](#), [Schubert US](#)  
236<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 17-21, 2008 Philadelphia, PA  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 236 Meeting Abstract: 421-POLY  
Published: AUG 17 2008
5. Copolymers by radical polymerization containing phosphorescent iridium(III) complexes  
[Ulbricht C](#), [Becer CR](#), [Winter A](#), [Schubert US](#)  
Source: ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 234 Meeting Abstract: 321-POLY  
Published: AUG 19 2007
4. POLY 553-Thermo- and pH-responsive copolymers based on oligoethyleneglycol methacrylates  
[Hoogenboom R](#), [Becer CR](#), [Hahn S](#), [Schubert US](#)  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 234 Meeting Abstract: 553-POLY  
Published: AUG 19 2007
3. High-throughput investigations on the NMP conditions using an automated parallel synthesizer  
[Becer CR](#), [Paulus RM](#), [Hoogenboom R](#), [Schubert US](#)  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 233 Meeting Abstract: 391-POLY  
Published: MAR 25 2007
2. Polymer brushes grafted from patterned chemically active surfaces via atom transfer radical polymerization  
[Becer CR](#), [Haensch C](#), [Hoepfener S](#), [Schubert US](#)  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 233 Meeting Abstract: 459-POLY  
Published: MAR 25 2007
1. Synthesis of alkylated linear amine ligands: Their effects on homogeneous ATRP  
[Acar MH](#), [Becer CR](#), [Ondur HA](#), et al.  
230<sup>th</sup> National Meeting of the American-Chemical-Society, AUG 28-SEP 01, 2005 Washington, DC  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 230 Pages: U4109-U4110 Meeting  
Abstract: 242-POLY Published: AUG 28 2005