

Krzysztof Matyjaszewski

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Education

Polish Academy of Sciences, Ph.D., 1976 (Prof. S. Penczek, Thesis Advisor)
Technical University, Moscow, B.S./M.S., 1972

Experience

04.2004	present	University Professor, CMU
06.1998	present	J.C. Warner Professor of Natural Sciences, CMU
07.1994	06.1998	Head, Chemistry Department, CMU
10.1985	06.1998	Assistant, Associate and Full Professor, Carnegie Mellon University (CMU)
04.1984	10.1985	Research Associate, CNRS and Invited Professor, University of Paris, France
03.1978	04.1984	Research Associate, Polish Academy of Sciences
03.1977	03.1978	Post-doctoral Fellow, University of Florida

Honors and Awards

2013 : Inaugural AkzoNobel North American Science Award (ACS) ; 2012: Dannie-Heineman Prize; Société Chimique de France Prize; Marie Sklodowska-Curie Science Medal, Pilsudski Institute of America ; Foreign Member of Russian Academy of Sciences; Honorary Fellow of Chinese Chemical Society; Hermann F. Mark Award (ACS); Maria Sklodowska-Curie Medal, Polish Chemical Society; 2011: Wolf Prize in Chemistry, Israel; Applied Polymer Science Award (ACS); Japanese Society Polymer Science Award; Carnegie Science Award in Advanced Materials; 2010: American Chemical Society, Fellow; ACS Polymer Division, Fellow; Gutenberg Lecture Award, University of Mainz, Germany; Honorary Degree (Doctorate Honoris Causa) l'Institut Polytechnique, Toulouse, France; 2009: Presidential Green Chemistry Challenge Award; 2008: Honorary Degree (Doctorate Honoris Causa) University of Athens, Greece; 2007: Hermann F. Mark Senior Scholar Award (ACS); Honorary Degree (Doctorate Honoris Causa) Lodz Polytechnic, Poland; 2006: Member of US National Academy of Engineering; Honorary Degree (Doctorate Honoris Causa) Russian Academy of Sciences; 2005: UK Macro Medal; 2004: Annual Prize of the Foundation of Polish Science (aka Polish Nobel Prize); Foreign Member of Polish Academy of Sciences; Cooperative Research Award in Polymer Science (ACS); 2002: Polymer Chemistry Award (ACS); Honorary Degree (Doctorate Honoris Causa) University of Ghent, Belgium; 2001: Pittsburgh Award (ACS); Polymeric Materials Science and Engineering Fellow (ACS); 1999: Humboldt Award for Senior US Scientists; 1998: Elf Chair of French Academy of Sciences ; 1995: Carl S. Marvel - Creative Polymer Chemistry Award (ACS); 1989: Award of Presidential Young Investigator (NSF); 1981: Award of Polish Academy of Sciences; 1980: Award of Polish Chemical Society

-**Adjunct Professor**, Polish Academy of Sciences, Lodz (2000- present); Adjunct Professor, Department of Chemical and Petroleum Engineering, University of Pittsburgh (2000- present) Adjunct Professor, Department of Chemical Engineering and Department of Materials Science, Carnegie Mellon University (2007- present);

-**Director**: ATRP and CRP Consortia (1996-...); Director, Center for Macromolecular Engineering (CMU, 1998-...)

-**Visiting Professor** at University of Paris (1985, 1990, 1997, 1998, 2006), University of Freiburg (1988), University of Bayreuth (1991), University of Strasbourg (1992), University of Bordeaux (1996, 2004), University of Ulm (1999), University of Pisa (2000), Tokyo University (2005), Pusan National University (2009-2011)

-**Editor**: "Progress in Polymer Science" (IF =26.4); "Central European Journal of Chemistry",

-**Member** of Editorial Boards: "Macromol. Chem. Phys.", "Macromol. Rapid Comm.", "Macromol. Synt.", "J. Polym. Sci.", "J. Inorg. Organomet. Polym.", "Intern. J. Polym. Mater.", "Polimery", "Chin. J. Polym. Sci.", "Intern. J. Appl. Chem.", "Coll. Czechoslov. Chem. Comm.", "Polymer", "Polym. Adv. Techn.", "J. Nanostr. Polym. Nanocomp." "Chem. Central J. ". Past member: "Macromolecules", "J. Macromol. Sci.", "Macromol. Reports"

- IUPAC: **Fellow** (2002-); Corresponding Member of IUPAC Commission on Polymer Nomenclature;

- Polymer Chemistry Division, ACS: Past Chair of the Polymer Curriculum Development Award Committee (1987-2001); Chair of International Committee (2006- present) and member of Program Committee.

-**Coauthored/edited** 17 books, 83 book chapters and >800 scientific papers; 46 US and 132 international patents and 24 pending US patent applications. Total citation number exceeds 59,000 h-index -124. Group consists of 14 graduate students and 5 postdocs.

Research Interests: 1. Well-defined macromolecules via living and controlled polymerizations. Radical, cationic, and anionic polymerization of alkenes and heterocyclics. Block, graft and gradient copolymers. Control of chain microstructure and topology. Functional polymers and telechelics; 2. Homogeneous and heterogeneous catalysis; 3. Well-defined polymers and hybrids for optoelectronics, ceramics and biomedical applications.

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Kris Matyjaszewski (Kris MA-TY-YA-SHEFF-SKI)

-got his Ph.D. at Polish Academy of Sciences in 1976

-in 1985 he moved to Carnegie Mellon University, Pittsburgh, USA

-where he is currently University Professor and J.C. Warner Professor of Natural Sciences

He is best known for the development of atom transfer radical polymerization (ATRP) which has been commercialized in US, Europe and in Japan. Over 50 companies have been members of ATRP and CRP Consortia at CMU and 15 commercial licenses have been signed.

He has published over 800 peer-reviewed papers and 17 books. He holds 46 US and 132 international patents. His first paper and review on ATRP have been cited together > 7000 times and his citation record (>59,000) ranked among top 10 scientists in all fields of chemistry world-wide in 2004-2013 (h-index 124).

He has received several awards including:

-2013 Inaugural Akzo Nobel North American Science Award

-2011 Wolf Prize in Chemistry

-2009 Presidential Green Chemistry Challenge Award

-From American Chemical Society: 2012 Hermann Mark Award, 2011 Award in Applied Polymer Science, 2007 Mark Senior Scholar Award, 2004 Award for Cooperative Research in Polymer Science; 2002 Award in Polymer Chemistry and 1995 Marvel Creative Polymer Chemistry Award.

He received six honorary degrees: University of Ghent, Belgium (2002), Russian Academy of Sciences (2006), Lodz Polytechnic, Poland (2007), University of Athens, Greece (2008), Institut Polytechnique, Toulouse, France (2010) and Pusan National University, Korea.

He is a foreign member of Polish Academy of Sciences and Russian Academy of Sciences, a member of US National Academy of Engineering and honorary member of Chinese Chemical Society.

He is the editor of "Progress in Polymer Science" (IF= 26.4), "Central European Journal of Chemistry", and serves on the editorial boards of fourteen other chemistry journals.