**Kazuo Yamaguchi**

**(山口和夫)**

Department of Chemistry

Kanagawa University

2946 Tsuchiya, Hiratsuka, Kanagawa 259-1293, Japan

Phone: +81-463-59-4111

E-mail: kazu@kanagawa-u.ac.jp.

Professor Kazuo Yamaguchi was born in Tokyo in 1951. He received his B.S. degree (1974) and M.S. degree (1976) from Tokyo Institute of Technology (TIT) in Chemistry. He joined Department of Polymer Chemistry of TIT as a research associate in 1978. He obtained his Ph.D. (1982) from TIT, working on reaction of organophosphorus compounds applied for synthesis of oligonucleotides. He was a postdoctoral fellow in Chemistry Department at Marquette University, USA from 1982-4, working on polymerizable liposomes. He joined Department of Chemistry at Kanagawa University as an assistant professor in 1989. He became an associate professor in 1991, and has been a professor since 1997 and Dean of Graduate School of Science at Kanagawa University since 2011. His research interest is on the studies of photosensitive materials such as self-assembled monolayers, polymersomes, microphase-separated block copolymers based on photocleavable molecules containing 2-nitrobenzyl moieties.

**Selected Publications**

1. Kaneko, Shingo; Yamaguchi, Kazuo; Nakanishi, Jun; Dynamic Substrate Based on Photocleavable Poly(ethylene glycol): Zeta Potential Determines the Capability of Geometrical Cell Confinement, *Langmuir*, **2013**, 29(24), 7300-7308
2. Shota Yamamoto, Seiichi Nakahama, Kazuo Yamaguchi, A Heterobifunctional Linker Bearing Azide-reactive Alkyne and Thiol-reactive Maleimide Connected with N-(2-nitrobenzyl)imide to Synthesize Photocleavable Diblock Copolymers, *Chem. Lett.*, **2013**, 42(8), 791-793.
3. Masao Kamimura, Olivia Scheideler, Yoshihisa Shimizu, Shota Yamamoto, Kazuo Yamaguchi and Jun Nakanishi, Facile preparation of a photoactivatable surface on a 96-well plate: a versatile and multiplex cell migration assay platform. *Phys. Chem. Chem. Phys.*, **2015**, 17(21), 14159-14167
4. Shota Yamamoto, Jun Nakanishi, Kazuo Yamaguchi, Development and Characterization of Protein-gold-nanoparticle Conjugates bearing Photocleavable Polymers, *J. Photopolym. Sci. Technol*., **2015**, 28(2), 269-272
5. Shintaro Nakagawa, Takashi Ishizone, Shuichi Nojima, Kohei Kamimura, Kazuo Yamaguchi, Seiichi Nakahama, Effects of Chain-ends Tethering on the Crystallization Behavior of Poly(ε-caprolactone) Confined in Lamellar Nanodomains, *Macromolecules*, **2015**, 48(19) 7138-7145
6. Substituent effects at the benzyl position and aromatic ring of silane coupling agents containing 2-nitrobenzyl esters on photosensitivity and hydrophobic surface of the self-assembled monolayer (SAM)Tsubasa Konishi, Teppei Hashimoto, Naoya Sato, Kazuki Nakajima, and Kazuo Yamaguchi, *Bull Chem. Soc. Jpn.*, in press