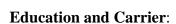
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2014- present: Principal Investigator, Director

FAIS Biomaterials Center for Regenerative Medical Engineering, Tsukuba, Japan.

2012-2014: Professor Emeritus, Professor of Donated Chair,

Biomaterials Design for Regenerative Engineering, Tokyo Institute of Technology, Japan.

2009 to 2012: Professor, Frontier Research Center & Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, Japan.

2009 to present: Visiting Professor, School of Medicine, Tsinghua University, China.

2009 to present: Visiting Professor, Nankai University, China.

1990 to 2009: Professor, Graduate School of Bioscience and Biotechnology, Dept. of Biomolecular Engineering, Tokyo Institute of Technology, Japan,

2000 to 2003: Professor, Graduate School of Medicine, Shinshu University, Nagano, Japan.

1989 to 1995: Project Leader, Akaike Project "High-functional Membrane for Molecular Recognition", Kanagawa Academy of Sci. & Tech., Japan.

1980 to 1990: Associate Professor, Dept of Material Systems Engineering, Faculty of Engineering, Tokyo University of Agriculture and Technology. Japan.

Honors:

Tokyo Tech Award for the Best Teacher (2007)

Fellow, Biomaterials Science and Engineering, The International Union of Societies for Biomaterials Science and Engineering (2004)

Jorge Heller Journal of Controlled Release/CRS Outstanding Paper Award (1997)

Scientific Achievement Award, The Japanese Society for Biomaterials (1989)

Selected Publications

- 1. Kakon N. Adnan N, Kutsuzawa K, Akaike T. Cadherin-Fc Chimeric Protein-Based Biomaterials: Advancing Stem Cell Technology and Regenerative Medicine towards Application. *Stem Cell Technology*, DOI: 10.5772/58287, (2014).
- 2. Xu J, Li S, Hu F, Zhu C, Zhang Y, Zhao W, Akaike T, Yang J. Artificial biomimicking matrix modifications of nanofibrous scaffolds by hE-cadherin-Fc fusion protein to promote human mesenchymal stem cells adhesion and proliferation. J Nanosci Nanotechnol. 14(6):4007-13. (2014).
- 3. Mattias L, Haque A, Adnan N, Akaike T. The effects of artificial E-cadherin matrix-induced embryonic stem cell scattering on paxillin and RhoA activation via α-catenin. *Biomaterials*. 35(8):2471-6. (2013).
- 4. Jovic D, Sakaue-Sawano A, Abe T, Cho CS, Nagaoka M, Miyawaki A, Toshihiro A. Direct observation of cell cycle progression in living mouse embryonic stem cell on an extracellular matrix of E-cadherin. *SpringerPlus*, 2:585 (2013).
- 5. Meng Q., <u>Haque A</u>, Hexing B. <u>Akaike T</u>.,The differentiation and isolation of mouse embryonic stem cells toward hepatocytes using galactose-carrying substrata. Biomaterials, 33, 1414-27, (2012).
- 6. A. Haque, X-S. Yue, A. Motazedian, Y.Tagawa, T. Akaike Characterization and neural differentiation of mouse embryonic and induced pluripotent stem cells on cadherin-based substrata. Biomaterials, 33, 5094-106, (2012).

