

## CURRICULUM VITAE



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**Position:** Executive Senior Vice President,  
Professor

**Institution:** Tokyo Medical and Dental University (TMDU)

Department of Stem Cell Regulation, Medical Research Institute

**Location:** 1-5-45, Yushima, Bunkyo-ku, Tokyo, 113-8510, Japan

### Education:

1982 Kyoto University Faculty of Science, Japan, B.Sc.

1988 Osaka University Medical School, Japan, Ph.D.

### Representative Careers:

1989 - 1996 Assistant Professor, Institute for Molecular and Cellular Biology, Osaka University

1996 Associate Professor, Institute for Molecular and Cellular Biology, Osaka University

1996 - 2000 Professor, Medical Research Institute, Tokyo Medical and Dental University

2000 - 2008 Professor, Institute of Molecular Embryology and Genetics, Kumamoto University

2008 - Present Professor, Medical Research Institute, Tokyo Medical and Dental University

2013 - 2018 Vice President, Public Relations, Tokyo Medical and Dental University

2018 - Present Executive Senior Vice President, Global Affairs, Tokyo Medical and Dental University

### Specialty & Present Interest:

Tetsuya Taga's research has been conducted to elucidate the mechanisms by which stem cells are regulated. The major focus has been on neural stem cells, hematopoietic stem cells, and cancer stem cells. The study is aimed to understand development, maintenance, and regeneration of the central nervous system and the hematopoietic system, and to obtain a clue to tackle the problem of cancer recurrence. Particular attention is given to cell-external cues (such as cytokines) and cell-intrinsic programs (including chromatin modification), taking cross-interactions of transcriptional regulatory signals into consideration.

### Representative papers (up to 5):

1. Tabu K, Muramatsu N, Mangani C, Wu M, Zhang R, Kimura T, Terashima K, Bizen N, Kimura R, Wang W, Murota Y, Kokubu Y, Nobuhisa I, Kagawa T, Kitabayashi I, Bradley M, Taga T. Synthetic Polymer Scaffold Reveals the Self-Maintenance Strategies of Rat Glioma Stem Cells by Organization of the Advantageous Niche. *Stem Cells*, 34:1151-1162, 2016.

2. Bizen N, Inoue T, Shimizu T, Tabu K, Kagawa T, Taga T. A growth-promoting signaling component cyclin D1 in neural stem cells has anti-astroglial function to execute self-renewal. *Stem Cells*, 32: 1602-1615, 2014.

3. Kondo T, Setoguchi T, and Taga T. Persistence of a small subpopulation of cancer stem-like cells in the C6 glioma cell line. *Proc Natl Acad Sci USA*, 101: 781-786, 2004.

4. Nakashima K, Yanagisawa M, Arakawa H, Kimura N, Hisatsune T, Kawabata M, Miyazono K, Taga T. Synergistic signaling in fetal brain by STAT3-Smad1 complex bridged by p300. *Science*, 284:479-482, 1999.

5 Taga T, Hibi M, Hirata Y, Yamasaki K, Yasukawa K, Matsuda T, Hirano T, Kishimoto T. Interleukin-6 triggers the association of its receptor with a possible signal transducer, gp130. *Cell*, 58:573-581, 1989