

Shigekazu Nagata, Ph.D

Kyoto University



- 1977 Ph.D., The University of Tokyo, Graduates School of Science, JAPAN
- 1977-1981 Postdoctoral Fellow, Institute of Molecular Biology I, University of Zürich, Switzerland.
- 1982- 1987 Assistant Professor at the Institute of Medical Science, University of Tokyo, Japan
- 1987- 1998 Head, Department of Molecular Biology, Osaka Bioscience Institute, Suita, Japan
- 1995- 2007 Professor, Department of Genetics, Osaka University Medical School, Suita, Japan
- 2007-present Professor, Department of Medical Chemistry Graduate School of Medicine, Kyoto University, Japan

Specialty and Research Field of Interest

Biochemistry, Molecular Biology, Cell Biology,

Selected Publications

1. Segawa K, Kurata S, Yanagihashi Y, Brummelkamp TR, Matsuda F, and Nagata S (2014) Caspase-mediated cleavage of phospholipid flippase for apoptotic phosphatidylserine exposure. **Science** 344: 1164-1168
2. Nishi C, Toda S, Segawa K, and Nagata S (2014) Tim4- and MerTK-Mediated Engulfment of Apoptotic Cells by Mouse Resident Peritoneal Macrophages. **Mol Cell Biol** 34: 1512-1520
3. Suzuki J, Fujii T, Imao T, Ishihara K, Kuba H, and Nagata S (2013) Calcium-dependent phospholipid scramblase activity of TMEM16 protein family members. **J Biol Chem** 288: 13305-13316
4. Suzuki J, Denning DP, Imanishi E, Horvitz HR, and Nagata S (2013) Xk-related protein 8 and CED-8 promote phosphatidylserine exposure in apoptotic cells. **Science** 341: 403-406
5. Segawa K, Suzuki J, and Nagata S (2011) Constitutive exposure of phosphatidylserine on viable cells. **Proc Natl Acad Sci USA** 108: 19246-19251
6. Suzuki J, Umeda M, Sims PJ, and Nagata S (2010) Calcium-dependent phospholipid scrambling by TMEM16F. **Nature** 468: 834-838
7. Nagata S, Hanayama R, Kawane K (2010) Autoimmunity and the Clearance of Dead Cells. **Cell** 140: 619-630
8. Okabe Y, Sano T, and Nagata S (2009) Regulation of the innate immune response by threonine-phosphatase of Eyes absent. **Nature** 460: 520-524