

Asako Murata-Seike (Ph.D. Life science)

Associate Professor | IGSES, Kyushu University

Education

- Apr 1997 – Mar 2001 The College of Biological Sciences, University of Tsukuba
** Study on the expression pattern of gap junction proteins (Connexin) in the retinal tissues of goldfish*
- Apr 2001 – Mar 2003 Department of Integrated Biosciences, Graduate School of Frontier Science, The University of Tokyo
** Organic synthesis of a novel nucleic acid analog bearing the ester backbone*
- Apr 2003 – Mar 2004 Department of Integrated Biosciences, Graduate School of Frontier Science, The University of Tokyo
- Apr 2004 – Mar 2006 Department of Medical Genome Sciences, Graduate School of Frontier Science, The University of Tokyo
- Mar 2006 Ph.D. (Life science, The University of Tokyo)

Experience

- Jun 2006 – Feb 2008 **Postdoctoral Fellow**, Department of Biochemistry and Molecular Biology, Baylor College of Medicine, Texas, USA
** Identification of proteins of bioactive small molecule using affinity chromatography*
- Mar 2008 – Feb 2010 **Specially Appointed Researcher**, Institute for Chemical Research (ICR), Kyoto University
** Development of a small-molecule probe for detecting RNA*
** Screening of a fluorescent-molecule library for the identification of fluorescent probes that specifically label human pluripotent stem cells*
- Mar 2010 – May 2010 **Researcher**, Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto University
** Screening of a fluorescent-molecule library for the identification of fluorescent probes that specifically label human pluripotent stem cells*
- Jun 2010 – Nov 2012 **Specially Appointed Researcher**, The Institute of Scientific and Industrial Research (ISIR), Osaka University
** Screening of chemical libraries using the fluorescent displacement assay for the identification of small molecules that can bind to a specific miRNA precursor*
- Dec 2012 – Dec 2019 **Assistant Professor**, The Institute of Scientific and Industrial Research (ISIR), Osaka University
** Development of small molecules that can modulate miRNA biogenesis*
** Application of a small molecule to the control of secondary structure in mRNA and ribosomal frameshifting*
- Dec 2019 – Mar 2022 **Associate Professor**, The Institute of Scientific and Industrial Research (ISIR), Osaka University
** Development of a method for comprehensively analyzing the interaction between small molecules and RNA sequence motif*
- Apr 2022 – Present **Associate Professor**, Interdisciplinary Graduate School of Engineering Sciences (IGSES), Kyushu University