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**Curriculum Vitae**  
**Yasuo Niwa**

**Objective:**

Assistant Professor, Plant Molecular Biology

**Education:**

1991, Ph.D., Biology, Graduate School of Science, Nagoya University  
Dissertation: Analysis of plant gene expression mechanism regulated by auxin

1988, M.Sc., Biology, Graduate School of Science, Nagoya University

1986, B.Sc, Biology, Faculty of Science, Nagoya University

**Employment:**

1991 – present, Assistant Professor  
University of Shizuoka

1990 – 1991, Japan Society for the Promotion of Science Fellow,  
Nagoya University

**Adjunct positions:**

2011, Adjunct Lecturer, Graduate School of Agriculture, Shizuoka University

2008, Adjunct Lecturer, Faculty of Science, Shizuoka University

2007, Visiting Scientist, Shizuoka Prefectural Agricultural and Forestry Research Institute

2005, Adjunct Lecturer, Department of Health produce, Hamamatsu University

2004, Visiting Scientist, Swiss Federal Institute of Technology

2000, Specially-appointed Lecturer University of Shizuoka

1993, Visiting Scientist, Massachusetts General Hospital

## Publications:

- Production of Hybrid-IgG/IgA Plantibodies with Neutralizing Activity against Shiga Toxin1 *PLOS ONE* 8(11): e80712. doi:10.1371 (2013)
- Molecular cloning and characterization of a linalool synthase from lemon myrtle. *Biosci. Biotechnol. Biochem.* 75: 1245-1248 (2011)
- Light-dependent intracellular positioning of mitochondria in Arabidopsis thaliana mesophyll cells. *Plant Cell Physiol.* 50: 1032-1040 (2009)
- Improved gateway binary vectors: High-performance vectors for creation of fusion constructs in transgenic analysis of plants., *Biosci. Biotechnol. Biochem.* 71: 2095-2100 (2007)
- Development of series of gateway binary vectors, pGWBs, for realizing efficient construction of fusion genes for plant transformation., *J. Biosci. Bioeng.* 104: 34-41 (2007)
- Arabidopsis mutants by activation tagging in which photosynthesis genes are expressed in dedifferentiated calli. *Plant Cell Physiol.* 47: 319-331 (2006)
- Functional isolation of novel nuclear proteins showing a variety of subnuclear localizations. *Plant Cell* 17: 389-403 (2005)
- The disposal of chloroplasts with abnormal function into the vacuole in Arabidopsis cotyledon cells. *Protoplasma* 223: 229-232 (2004)
- Chloroplast unusual positioning1 is essential for proper chloroplast positioning. *Plant Cell* 15: 2805-2815 (2003)
- Non-invasive quantitative detection and applications of nontoxic-, S65T-type green fluorescent protein in living plants. *Plant J.* 18: 455-463 (1999)
- Applications of GFP in higher plants. *Plant Morphology* 10: 22-29 (1998)
- Engineered GFP as a vital reporter in plants. *Current Biology* 6: 325-330 (1996)

## Awards and Honors:

2008, Best Paper Award, *Journal of Bioscience and Bioengineering*

2007, Best Paper Award, *Bioscience, Biotechnology, and Biochemistry*

2005, Special Award, Botanical Society of Japan

2001, Junior Scientist Award, Japanese Society for Plant Cell and Molecular Biology

## Regular courses at the University of Shizuoka:

### Graduate School of Integrated Pharmaceutical and Nutritional Sciences:

- Advanced Topics in Plant Molecular Improvement

**School of Food and Nutritional Sciences:**

- Metabolic Engineering I & II
- Experiments in Food Science and Biotechnology III
- Bioinformatics
- English in Food Science and Biotechnology I
- Computer Science

**Liberal arts**

- Genes and Life