

RESEARCH TECHNIQUES

Event-related Potential: Programming, Procedure, Recording, Analysis

Radial-arm maze: Rat maintenance, Experiments, Data taking, Data Input, Analysis

Rat Dissection: Anesthetization, Blood drawing (artery, vein), Perfusion, Extraction

Immunocytochemistry & Cytostaining: ABC kit, Cresyl violet, Embedding, Microtomy

Single-unit Stimulation & Recording: Stereotaxis, Recording, Stimulation

Questionnaires: *STAI, BDI, MAS, MMPI, CMI, WAIS, WISC, Binet, TAT, HTP*, Tree test, etc.

CLINICAL EXPERIENCE

Psychiatry Intern, Enomoto Clinic and Shikiba Hospital, Tokyo, Japan, Aug. 2002

- Learned (Mood & Alzheimer) symptoms at a Neuropsychiatric clinic and an inpatient ward

Counseling Assistant, Mental Health Institute, Tokyo, Japan, Aug. 2001

- Supported a psychiatrist and interviewed (Personality Disorder) outpatients

Outpatient Researcher, Osaka City University Hospital, Jun. 2000 – Jan. 2001

- Interviewed (Epileptic) outpatients and their patients at the pediatric department

Clinical Counseling Trainee, Matsuda Clinic, Osaka, Japan, Jun. – Sept. 2000

- Participated in (Major Depressive Disorder) counseling and psychiatric sessions

School Counselor, Sakai Fukai Tyuoh Junior High School, Osaka, Japan, Apr. 1999 – Mar. 2000

- Counseled school phobic & OCD pupils and communicated with their parents and teachers

Clinical Advisor Intern, Asa-ka-yama Hospital, Osaka, Japan, Jun. – Sept. 1999

- Collaborated with (Schizophrenic) out-patients at the day-care

PUBLICATION

Vogel, E. K. & Machizawa, M. G. (2004). Neural activity predicts individual differences in visual working memory capacity. *Nature*, 428, 748-751.

Zhang, F., Temple, M., Machizawa, M., Steward, O., Chen, Z., Schottler, F. E., Lee, K. S. Behavioral deficits in an animal with subcortical heterotopia. Manuscript in preparation

Vogel, E. K. & Machizawa, M. G. Attentional filtering efficiency is modulated by individual working memory capacity. Manuscript in preparation.

COMPUTER SKILLS

Programming: VI Editor (*VVSP*), MatLab, Presentation, Edit, *HTML*

Network: *FTP, SSH, AppleTalk, AFP, HTTP*

Statistics: Brainvoyager, *SAS, SPSS, MS Excel*

Analysis & Recording: *ERPSS, LabView, Terminal, X Terminal*

Graphics: Macromedia Freehand, Adobe (Illustrator, Photoshop), MS Paint

OS: Windows (XP, 2000, Me, 98, 95), Macintosh (X, 9), UNIX, NeXT, *MS-DOS*

Others: *MS (Word, PowerPoint)*

TEACHING AND WORK EXPERIENCE

Tennis Club Owner, Pluto Advantage Infinity, Osaka, Japan, 2000 – present

Grade Assistant, University of Oregon, Eugene, OR, Fall 2002 & Winter 2004

Tutor, Osaka, Japan and Eugene, Oregon, 1997 – 2002

Cram School Teacher, ING School Inc. and Gambaru Group Inc., Osaka, Japan, 1997 – 2001

Campaign Coordinator, Peace Ark Inc., Osaka, Japan, 2001

Tour Conductor, Rado Inc. and TCA Inc., Osaka, Japan, 1998 – 2001

Cook, Hyatt Regency Osaka, Osaka, Japan, 2001

Licensed Member of Japanese Noh Play in Kita-School, Japan, 1986 – present