

Stanford

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Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Anesthesiology, Perioperative and Pain Medicine

Publications

PUBLICATIONS

- **Expression of phenylethanolamine N-methyltransferase in the embryonic rat heart** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*
Ebert, S. N., Baden, J. M., Mathers, L. H., Siddall, B. J., Wong, D. L.
1996; 28 (8): 1653-1658
- **EXPRESSION OF MESSENGER-RNA FOR ALPHA-1-ADRENOCEPTOR SUBTYPES AT THE BEGINNING OF NEURULATION IN RAT EMBRYOS** *4th Symposium on Vertebrate Whole Embryo Culture*
Fujinaga, M., Hu, Z. W., Okazaki, M., Baden, J. M., KOFFMAN, B. B.
PERGAMON-ELSEVIER SCIENCE LTD.1995: 601-?
- **AXIAL ROTATION IN RAT EMBRYOS - MORPHOLOGICAL ANALYSIS AND MICROSURGICAL STUDY ON THE ROLE OF THE ALLANTOIS** *TERATOLOGY*
Fujinaga, M., Hoffman, B. B., Baden, J. M.
1995; 51 (2): 94-106
- **STAUROSPORINE DOES NOT PREVENT ADRENERGIC-INDUCED SITUS-INVERSUS, BUT CAUSES A UNIQUE SYNDROME OF DEFECTS IN RAT EMBRYOS GROWN IN CULTURE** *TERATOLOGY*
Fujinaga, M., Park, H. W., Shepard, T. H., Mirkes, P. E., Baden, J. M.
1994; 50 (4): 261-274
- **METHIONINE PREVENTS NITROUS OXIDE-INDUCED TERATOGENICITY IN RAT EMBRYOS GROWN IN CULTURE** *ANESTHESIOLOGY*
Fujinaga, M., Baden, J. M.
1994; 81 (1): 184-189
- **RECEPTOR SUBTYPE AND INTRACELLULAR SIGNAL-TRANSDUCTION PATHWAY ASSOCIATED WITH SITUS-INVERSUS INDUCED BY ALPHA-1-ADRENERGIC STIMULATION IN RAT EMBRYOS** *DEVELOPMENTAL BIOLOGY*
Fujinaga, M., Hoffman, B. B., Baden, J. M.
1994; 162 (2): 558-567
- **MICROSURGICAL STUDY ON THE MECHANISMS DETERMINING SIDEDNESS OF AXIAL ROTATION IN RAT EMBRYOS** *TERATOLOGY*
Fujinaga, M., Baden, J. M.
1993; 47 (6): 585-593
- **COMPARISON OF STAGING SYSTEMS FOR THE GASTRULATION AND EARLY NEURULATION PERIOD IN RODENTS - A PROPOSED NEW SYSTEM** *TERATOLOGY*
Fujinaga, M., Brown, N. A., Baden, J. M.
1992; 46 (2): 183-190
- **DEVELOPMENTAL TOXICITY OF NONDEPOLARIZING MUSCLE-RELAXANTS IN CULTURED RAT EMBRYOS** *ANESTHESIOLOGY*
Fujinaga, M., Baden, J. M., Mazze, R. I.

1992; 76 (6): 999-1003

- **VARIATION IN DEVELOPMENT OF RAT EMBRYOS AT THE PRESOMITE PERIOD** *TERATOLOGY*
Fujinaga, M., Baden, J. M.
1992; 45 (6): 661-670
- **REPRODUCTIVE AND TERATOGENIC EFFECTS OF A MAJOR EARTHQUAKE IN RATS** *LABORATORY ANIMAL SCIENCE*
Fujinaga, M., Baden, J. M., Mazze, R. I.
1992; 42 (2): 209-210
- **CRITICAL PERIOD OF RAT DEVELOPMENT WHEN SIDEDNESS OF ASYMMETRIC BODY STRUCTURES IS DETERMINED** *TERATOLOGY*
Fujinaga, M., Baden, J. M.
1991; 44 (4): 453-462
- **EFFECTS OF NITROUS-OXIDE ON DAY 9 RAT EMBRYOS GROWN IN CULTURE** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., Fujinaga, M.
1991; 66 (4): 500-503
- **PREVENTIVE EFFECTS OF PHENOXYBENZAMINE ON NITROUS OXIDE-INDUCED REPRODUCTIVE TOXICITY IN SPRAGUE-DAWLEY RATS** *TERATOLOGY*
Fujinaga, M., Baden, J. M., Suto, A., MYATT, J. K., Mazze, R. I.
1991; 43 (2): 151-157
- **A NEW METHOD FOR EXPLANTING EARLY POSTIMPLANTATION RAT EMBRYOS FOR CULTURE** *TERATOLOGY*
Fujinaga, M., Baden, J. M.
1991; 43 (1): 95-100
- **INTERLITTER VARIABILITY AND DEVELOPMENTAL STAGE OF DAY 11 RAT EMBRYOS PRODUCED BY OVERNIGHT AND MORNING SHORT-PERIOD BREEDING REGIMENS** *TERATOLOGY*
Fujinaga, M., Jackson, E. C., Baden, J. M.
1990; 42 (5): 535-540
- **NITROUS-OXIDE ALTERS BODY LATERALITY IN RATS** *TERATOLOGY*
Fujinaga, M., Baden, J. M., Shepard, T. H., Mazze, R. I.
1990; 41 (2): 131-135
- **SUSCEPTIBLE PERIOD OF NITROUS-OXIDE TERATOGENICITY IN SPRAGUE-DAWLEY RATS** *TERATOLOGY*
Fujinaga, M., Baden, J. M., Mazze, R. I.
1989; 40 (5): 439-444
- **HEPATOTOXICITY AND METABOLISM OF ISOFLURANE IN RATS WITH CIRRHOSIS** *ANESTHESIA AND ANALGESIA*
Baden, J. M.
1989; 68 (3): 214-218
- **CARCINOGEN BIOASSAY OF ISOFLURANE IN MICE** *ANESTHESIOLOGY*
Baden, J. M., KUNDOMAL, Y. R., Mazze, R. I., Kosek, J. C.
1988; 69 (5): 750-753
- **RAT WHOLE EMBRYO CULTURE - AN INVITRO MODEL FOR TESTING NITROUS-OXIDE TERATOGENICITY** *ANESTHESIOLOGY*
Fujinaga, M., Mazze, R. I., Baden, J. M., Fantel, A. G., SHEPHARD, T. H.
1988; 69 (3): 401-404
- **HALOTHANE PREVENTS NITROUS-OXIDE TERATOGENICITY IN SPRAGUE-DAWLEY RATS - FOLINIC ACID DOES NOT** *TERATOLOGY*
Mazze, R. I., Fujinaga, M., Baden, J. M.
1988; 38 (2): 121-127
- **REPRODUCTIVE AND TERATOGENIC EFFECTS OF SUFENTANIL AND ALFENTANIL IN SPRAGUE-DAWLEY RATS** *ANESTHESIA AND ANALGESIA*
Fujinaga, M., Mazze, R. I., Jackson, E. C., Baden, J. M.
1988; 67 (2): 166-169

- **REPRODUCTIVE AND TERATOGENIC EFFECTS OF NITROUS-OXIDE, ISOFLURANE, AND THEIR COMBINATION IN SPRAGUE-DAWLEY RATS** *ANESTHESIOLOGY*
Fujinaga, M., Baden, J. M., YHAP, E. O., Mazze, R. I.
1987; 67 (6): 960-964
- **HALOTHANE METABOLISM IN CIRRHOTIC RATS** *ANESTHESIOLOGY*
Baden, J. M., Serra, M., Fujinaga, M., Mazze, R. I.
1987; 67 (5): 660-664
- **REPRODUCTIVE AND TERATOGENIC EFFECTS OF NITROUS-OXIDE, FENTANYL AND THEIR COMBINATION IN SPRAGUE-DAWLEY RATS** *BRITISH JOURNAL OF ANAESTHESIA*
Mazze, R. I., Fujinaga, M., Baden, J. M.
1987; 59 (10): 1291-1297
- **INHIBITION OF RAT FETAL METHIONINE SYNTHASE BY NITROUS-OXIDE - AN INVITRO STUDY** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., Serra, M., Mazze, R. I.
1987; 59 (8): 1040-1043
- **MUTAGENICITY OF THE COMBINATION OF A VOLATILE ANESTHETIC AND NITROUS-OXIDE** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., KUNDOMAL, Y. R.
1987; 59 (6): 772-775
- **CARCINOGEN BIOASSAY OF NITROUS-OXIDE IN MICE** *ANESTHESIOLOGY*
Baden, J. M., KUNDOMAL, Y. R., LUTTROP, M. E., Mazze, R. I., Kosek, J. C.
1986; 64 (6): 747-750
- **REPRODUCTIVE AND TERATOGENIC EFFECTS OF NITROUS-OXIDE, HALOTHANE, ISOFLURANE, AND ENFLURANE IN SPRAGUE-DAWLEY RATS** *ANESTHESIOLOGY*
Mazze, R. I., Fujinaga, M., Rice, S. A., Harris, S. B., Baden, J. M.
1986; 64 (3): 339-344
- **EFFECTS OF SUBCHRONIC INTERMITTENT EXPOSURE TO ISOFLURANE IN SWISS WEBSTER MICE** *JOURNAL OF ENVIRONMENTAL PATHOLOGY TOXICOLOGY AND ONCOLOGY*
Rice, S. A., Baden, J. M., KUNDOMAL, Y. R.
1986; 6 (3-4): 285-293
- **EFFECTS OF SUBCHRONIC INTERMITTENT EXPOSURE TO NITROUS-OXIDE IN SWISS WEBSTER MICE** *JOURNAL OF ENVIRONMENTAL PATHOLOGY TOXICOLOGY AND ONCOLOGY*
Rice, S. A., Mazze, R. I., Baden, J. M.
1985; 6 (2): 271-281
- **FETAL DEVELOPMENT IN MICE EXPOSED TO ISOFLURANE** *TERATOLOGY*
Mazze, R. I., Wilson, A. I., Rice, S. A., Baden, J. M.
1985; 32 (3): 339-345
- **INHALED ANESTHETICS HAVE NO EFFECT ON FERTILITY IN DROSOPHILA-MELANOGASTER** *BRITISH JOURNAL OF ANAESTHESIA*
KUNDOMAL, Y. R., Baden, J. M.
1985; 57 (9): 900-903
- **MUTAGENICITY OF INHALED ANESTHETICS IN DROSOPHILA-MELANOGASTER** *ANESTHESIOLOGY*
KUNDOMAL, Y. R., Baden, J. M.
1985; 62 (3): 305-309
- **TOXICITY AND TERATOGENICITY OF INHALED ANESTHETICS IN DROSOPHILA-MELANOGASTER** *TOXICOLOGY LETTERS*
KUNDOMAL, Y. R., Baden, J. M.
1985; 25 (3): 287-291
- **EFFECTS OF VOLATILE ANESTHETICS OR FENTANYL ON HEPATIC-FUNCTION IN CIRRHOTIC RATS** *ANESTHESIA AND ANALGESIA*
Baden, J. M., KUNDOMAL, Y. R., LUTTROP, M. E., Maze, M., Kosek, J. C.
1985; 64 (12): 1183-1188

- **HALOTHANE ANESTHESIA DOES NOT EXACERBATE HEPATIC-DYSFUNCTION IN CIRRHOTIC RATS** *ANESTHESIOLOGY*
Maze, M., Smith, C. M., Baden, J. M.
1985; 62 (1): 1-5
- **HALOTHANE, ISOFLURANE, AND ENFLURANE MAC IN PREGNANT AND NONPREGNANT FEMALE AND MALE-MICE AND RATS** *ANESTHESIOLOGY*
Mazze, R. I., Rice, S. A., Baden, J. M.
1985; 62 (3): 339-341
- **REPRODUCTION AND FETAL DEVELOPMENT IN RATS EXPOSED TO NITROUS-OXIDE** *TERATOLOGY*
Mazze, R. I., Wilson, A. I., Rice, S. A., Baden, J. M.
1984; 30 (2): 259-265
- **INHIBITION OF FETAL METHIONINE SYNTHASE BY NITROUS-OXIDE** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., Serra, M., Mazze, R. I.
1984; 56 (5): 523-526
- **NITROUS-OXIDE INACTIVATES METHIONINE SYNTHETASE-ACTIVITY IN RAT TESTIS** *ANESTHESIOLOGY*
Brodsky, J. B., Baden, J. M., Serra, M., KUNDOMAL, Y.
1984; 61 (1): 66-68
- **THYMIDINE AND METHIONINE SYNTHESSES IN PREGNANT RATS EXPOSED TO NITROUS-OXIDE** *ANESTHESIA AND ANALGESIA*
Baden, J. M., Rice, S. A., Serra, M., Kelley, M., Mazze, R.
1983; 62 (8): 738-741
- **GERM-CELL STUDIES IN MICE AFTER PROLONGED EXPOSURE TO NITROUS-OXIDE** *TOXICOLOGY AND APPLIED PHARMACOLOGY*
Mazze, R. I., Rice, S. A., Wyrobek, A. J., Felton, J. S., Brodsky, J. B., Baden, J. M.
1983; 67 (3): 370-375
- **CARCINOGEN BIOASSAY OF ENFLURANE IN MICE** *ANESTHESIOLOGY*
Baden, J. M., Egbert, B., Mazze, R. I.
1982; 56 (1): 9-13
- **DEUTERATED METHOXYFLURANE ANESTHESIA AND RENAL-FUNCTION IN FISCHER 344 RATS** *ANESTHESIOLOGY*
Baden, J. M., Rice, S. A., Mazze, R. I.
1982; 56 (3): 203-206
- **LACK OF TOXICITY OF ENFLURANE ON MALE REPRODUCTIVE-ORGANS IN MICE** *ANESTHESIA AND ANALGESIA*
Baden, J. M., LAND, P. C., Egbert, B., Kelley, M., Mazze, R. I.
1982; 61 (1): 19-22
- **REPRODUCTION AND FETAL DEVELOPMENT IN MICE CHRONICALLY EXPOSED TO NITROUS-OXIDE** *TERATOLOGY*
Mazze, R. I., Wilson, A. I., Rice, S. A., Baden, J. M.
1982; 26 (1): 11-16
- **MUTAGENICITY OF EXPERIMENTAL INHALATIONAL ANESTHETIC AGENTS - SEVOFLURANE, SYNTHANE, DIOXYCHLORANE, AND DIOXYFLURANE** *ANESTHESIOLOGY*
Baden, J. M., Kelley, M., Mazze, R. I.
1982; 56 (6): 462-463
- **EFFECT OF HIGH HELIUM AND HYDROSTATIC-PRESSURE ON BACTERIAL MUTATION AND GROWTH** *TOXICOLOGY LETTERS*
Baden, J. M., MONK, S. J., Halsey, M. J.
1981; 9 (3): 201-206
- **MUTAGENICITY AND TOXICITY STUDIES WITH HIGH-PRESSURE NITROUS-OXIDE** *TOXICOLOGY LETTERS*
Baden, J. M., MONK, S. J.
1981; 7 (3): 259-262
- **METABOLIC AND TOXICOLOGIC STUDIES WITH ENFLURANE IN SWISS-ICR MICE** *JOURNAL OF ENVIRONMENTAL PATHOLOGY AND TOXICOLOGY*

-
- Baden, J. M., Rice, S. A., Wharton, R. S., Laughlin, N. K.
1980; 4 (1): 293-303
- **ENFLURANE HAS NO EFFECT ON HEMATOPOIESIS IN MICE** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., Egbert, B., Rice, S. A.
1980; 52 (5): 471-474
 - **MUTAGENIC EFFECTS OF INHALATIONAL ANESTHETICS** *MUTATION RESEARCH*
Baden, J. M., Simmon, V. F.
1980; 75 (2): 169-189
 - **MUTAGENIC ACTIVITY OF VINYL COMPOUNDS AND DERIVED EPOXIDES** *MUTATION RESEARCH*
Simmon, V. F., Baden, J. M.
1980; 78 (3): 227-231
 - **LACK OF MUTAGENS IN URINES OF OPERATING-ROOM PERSONNEL** *ANESTHESIOLOGY*
Baden, J. M., Kelley, M., Cheung, A., Mortelmans, K.
1980; 53 (3): 195-198
 - **CARCINOGENICITY OF HALOTHANE IN SWISS-ICR MICE** *ANESTHESIOLOGY*
Baden, J. M., Mazze, R. I., Wharton, R. S., Rice, S. A., Kosek, J. C.
1979; 51 (1): 20-26
 - **MUTAGENICITY STUDIES WITH VOLATILE METABOLITES OF HALOTHANE** *ANESTHESIOLOGY*
EDMUNDS, H. N., Baden, J. M., Simmon, V. F.
1979; 51 (5): 424-429
 - **FETAL MORPHOLOGY IN MICE EXPOSED TO HALOTHANE** *ANESTHESIOLOGY*
Wharton, R. S., Wilson, A. I., Mazze, R. I., Baden, J. M., Rice, S. A.
1979; 51 (6): 532-537
 - **MUTAGENICITY OF INHALATION ANESTHETICS - TRICHLOROETHYLENE, DIVINYL ETHER, NITROUS-OXIDE AND CYCLOPROPANE** *BRITISH JOURNAL OF ANAESTHESIA*
Baden, J. M., Kelley, M., Mazze, R. I., Simmon, V. F.
1979; 51 (5): 417-421
 - **FLUROXENE MUTAGENICITY** *MUTATION RESEARCH*
Baden, J. M., Kelley, M., Simmon, V. F., Rice, S. A., Mazze, R. I.
1978; 58 (2-3): 183-191
 - **FERTILITY, REPRODUCTION AND POSTNATAL SURVIVAL IN MICE CHRONICALLY EXPOSED TO HALOTHANE** *ANESTHESIOLOGY*
Wharton, R. S., Mazze, R. I., Baden, J. M., Hitt, B. A., Dooley, J. R.
1978; 48 (3): 167-174
 - **MUTAGENICITY OF HALOGENATED ETHER ANESTHETICS** *ANESTHESIOLOGY*
Baden, J. M., Kelley, M., Wharton, R. S., Hitt, B. A., Simmon, V. F., Mazze, R. I.
1977; 46 (5): 346-350
 - **MUTAGENICITY OF VOLATILE ANESTHETICS - HALOTHANE** *ANESTHESIOLOGY*
Baden, J. M., BRINKENHOFF, M., Wharton, R. S., Hitt, B. A., Simmon, V. F., Mazze, R. I.
1976; 45 (3): 311-318