Stanford

Monika Huss, DVM, MS

Clinical Assistant Professor, Comparative Medicine

Bio

BIO

Monika Huss, DVM, MS, received her D.V.M. from Western University of Health Sciences in 2010 and completed her residency training in Laboratory Animal Medicine at Stanford in 2015. Upon completion, she joined the Veterinary Service Center as a clinical veterinarian before becoming a clinical instructor for the Department of Comparative Medicine in 2016. Her interests include animal welfare, pain recognition, anesthesia and analgesia.

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Comparative Medicine

PROFESSIONAL EDUCATION

- DVM, Western University of Health Sciences (2010)
- MS, Stanford University , Biological Sciences (2006)
- BA, Stanford University , Human Biology (2005)

Teaching

COURSES

2021-22

- Horse Medicine: COMPMED 103 (Spr)

2020-21

- Research Biomethodology for Laboratory Animal Science: COMPMED 202 (Aut, Spr, Sum)

2019-20

- Research Biomethodology for Laboratory Animal Science: COMPMED 202 (Aut, Win, Sum)

Publications

PUBLICATIONS

- **Mouse Anesthesia: The Art and Science.** *ILAR journal*
  Navarro, K. L., Huss, M., Smith, J. C., Sharp, P., Marx, J. O., Pacharinsak, C.
  2021
- **Lipid bound extended release buprenorphine (high and low doses) and sustained release buprenorphine effectively attenuate post-operative hypersensitivity in an incisional pain model in mice (Mus musculus).** *Animal models and experimental medicine*
  Navarro, K., Jampachaisri, K., Huss, M., Pacharinsak, C.

2021; 4 (2): 129-137

- **Sustained release buprenorphine effectively attenuates postoperative hypersensitivity in an incisional pain model in neonatal rats (Rattus norvegicus).** *PloS one*
  Blaney, A. n., Jampachaisri, K. n., Huss, M. K., Pacharinsak, C. n.
  2021; 16 (2): e0246213

- **Buprenorphine, but not lidocaine, effectively attenuates post-operative thermal hypersensitivity in an incisional model in neonatal rats (Rattus norvegicus)** *SCANDINAVIAN JOURNAL OF LABORATORY ANIMAL SCIENCE*
  Katz, E. M., Huss, M. K., Jampachaisri, K., Pacharinsak, C.
  2021; 47 (1): 1–11

- **Continuous Rate Infusion of Alfaxalone during Ketamine-Xylazine Anesthesia in Rats.** *Journal of the American Association for Laboratory Animal Science : JAALAS*
  Heng, K. n., Marx, J. O., Jampachairsi, K. n., Huss, M. K., Pacharinsak, C. n.
  2020; 59 (2): 170–75

- **Influence of Pain and Analgesia on Orthopedic and Wound-healing Models in Rats and Mice.** *Comparative medicine*
  Huss, M. K., Felt, S. A., Pacharinsak, C. n.
  2019

- **Evaluation of 3 Alcohol-based Agents for Presurgical Skin Preparation in Mice.** *Journal of the American Association for Laboratory Animal Science : JAALAS*
  Huss, M. K., Casey, K. M., Hu, J. n., Moorhead, R. C., Chum, H. H.
  2019

- **The Physiologic Effects of Isoflurane, Sevoflurane, and Hypothermia Used for Anesthesia in Neonatal Rats (Rattus norvegicus).** *Journal of the American Association for Laboratory Animal Science*
  Huss, M. K., Chum, H. H., Chang, A. G., Jampachairsi, K., Pacharinsak, C.
  2016; 55 (1): 83-88

- **Echocardiographic and Electrocardiographic Characteristics of Male and Female Squirrel Monkeys (Saimiri spp.).** *Journal of the American Association for Laboratory Animal Science*
  Huss, M. K., Ikeno, F., Buckmaster, C. L., Albertelli, M. A.
  2015; 54 (1): 25-28

- **Supplemental Diet Aids Early Weaning of Crl:CD1(ICR) Mouse Pups.**
  Huss, M., Chang, A., Nagamine, C.
  LAS Pro. .
  2015

- **Prevalence of Batrachochytrium dendrobatidis in 120 Archived Specimens of Lithobates catesbeianus (American Bullfrog) Collected in California, 1924-2007.** *EcoHealth*
  Huss, M., Huntley, L., Vredenburg, V., Johns, J., Green, S.
  2013; 10 (4): 339-343