

Stanford



Gary Peltz

Professor of Anesthesiology, Perioperative and Pain Medicine

Bio

ACADEMIC APPOINTMENTS

- Professor, Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Transformative RO1 award, NIH/NIDDK (2010)
- One of 10 top pharmaceutical research executives, Nature Publications (2006)

PROFESSIONAL EDUCATION

- M.D., Stanford University , Medicine (1983)
- Ph.D., Stanford University , Structural Biology (1983)
- Fellowship, University of California-San Francisco , Rheumatology (1989)
- Residency, University of California-San Francisco , Internal Medicine (1985)
- Board Certification, American Board of Internal Medicine , Internal Medicine, Rheumatology (1989)

COMMUNITY AND INTERNATIONAL WORK

- Computational Genetic Analysis of Biomedical Traits in Mice

LINKS

- My Lab Site: <http://med.stanford.edu/peltzlab/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The laboratory develops and uses state of the art genomic methods to identify genetic factors affecting disease susceptibility, and to translate these findings into new treatments.

Computational mouse genetics: To reduce the cost and the time frame for genetic research, we developed a more efficient method for performing genetic analysis in mice. For this analysis, a property of interest is measured in ten or more inbred mouse strains; genetic factors are then computationally predicted by identifying genomic regions where the pattern of genetic variation correlates with the distribution of trait values among the inbred strains. This enables genetic analyses to be completed in far less time (days vs. years) and with far fewer personnel than conventional methods. In 2011, we developed a 'next generation' version of this computational method,

which analyzes whole genome sequence data for 20 inbred strains. This method has been used to analyze the genetic basis for 16 different biomedical traits. Clinical trials are currently underway that test the efficacy of 2 therapies that were generated by these genetic discoveries: a pilot study at Stanford to alleviate incisional pain after surgery and a multi-center NIH funded trial for preventing narcotic drug withdrawal in infants born to narcotic consuming mothers was begun in 2012.

Metabolomic analysis: We are developing novel methods for analyzing changes in cellular metabolites caused by drug treatment or in disease. The metabolomic results are integrated with the genetic data to identify new disease mechanisms and to develop new diagnostics.

Mice with human Livers: This is a novel experimental in vivo platform that replaces mouse liver with functioning human liver tissue. The reconstituted liver was shown to be a mature and functioning "human organ." It had zonal position-specific enzyme expression and bile duct function representative of mature human liver, and could generate a human-specific profile of drug metabolism. These features make this chimeric mouse the preferred experimental platform for in vivo analysis of drug metabolism or liver regeneration. The mice are maintained in a specialized barrier facility that was designed for housing these mice. The humanized mice are being used to: develop a novel platform for predicting human drug metabolism and human drug responses; for understanding stem cell development; and to develop a new method for liver transplantation that uses autologous cells without immunosuppression.

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Ahmed Arslan, Xinyu Chen, Zhuoqing Fang, Yalun Tan, Jingxiao Wang, Meiyue Wang

Postdoctoral Research Mentor

Xinyu Chen, Zhuoqing Fang, Yalun Tan, Jingxiao Wang, Meiyue Wang

Publications

PUBLICATIONS

- **Transcription factor p73 regulates Th1 differentiation.** *Nature communications*
Ren, M., Kazemian, M., Zheng, M., He, J., Li, P., Oh, J., Liao, W., Li, J., Rajaseelan, J., Kelsall, B. L., Peltz, G., Leonard, W. J.
2020; 11 (1): 1475
- **The Phosphatidylethanolamine Biosynthesis Pathway Provides a New Target for Cancer Chemotherapy.** *Journal of hepatology*
Guan, Y., Chen, X., Wu, M., Zhu, W., Arslan, A., Takeda, S., Nguyen, M. H., Majeti, R., Thomas, D., Zheng, M., Peltz, G.
2019
- **IDH1 Mutant AML Is Susceptible to Targeting De Novo Lipid Synthesis Independent of 2-Hydroxyglutarate and Has a Distinct Metabolic Profile from IDH2 Mutant AML**
Thomas, D., Nakauchi, Y., Wu, M., Zheng, M., Sinha, S., Dill, D., Peltz, G., Majeti, R.
AMER SOC HEMATOLOGY.2018
- **Laminin alpha 1 is a genetic modifier of TGF-beta 1-stimulated pulmonary fibrosis** *JCI INSIGHT*
Lee, C., Cho, S., Cho, W., Park, J., Lee, J., Choi, A. M., Rosas, I. O., Zheng, M., Peltz, G., Lee, C., Elias, J. A.
2018; 3 (18)
- **A Flawed Design Produces Flawed Results.** *Journal of addiction medicine*
Peltz, G.
2018; 12 (3): 252
- **The Neurobiology of Opioid Addiction and the Potential for Prevention Strategies.** *JAMA*
Peltz, G., Sudhof, T. C.
2018

- **Laminin Alpha1 Is a Genetic Modifier of TGF-beta1-Stimulated Pulmonary Fibrosis**
Lee, C., Cho, S., Cho, W., Park, J., Choi, A. M., Rosas, I. O., Zheng, M., Peltz, G., Lee, C., Elias, J. A.
AMER THORACIC SOC.2018
- **Profiling of ARDS Pulmonary Edema Fluid Identifies a Metabolically Distinct Subset.** *American journal of physiology. Lung cellular and molecular physiology*
Rogers, A. J., Contrepois, K., Wu, M., Zheng, M., Peltz, G., Ware, L. B., Matthay, M. A.
2017: ajplung 00438 2016-?
- **Dynamic landscape and regulation of RNA editing in mammals.** *Nature*
Tan, M. H., Li, Q., Shanmugam, R., Piskol, R., Kohler, J., Young, A. N., Liu, K. I., Zhang, R., Ramaswami, G., Ariyoshi, K., Gupte, A., Keegan, L. P., George, et al
2017; 550 (7675): 249–54
- **Human hepatic organoids for the analysis of human genetic diseases.** *JCI insight*
Guan, Y., Xu, D., Garfin, P. M., Ehmer, U., Hurwitz, M., Enns, G., Michie, S., Wu, M., Zheng, M., Nishimura, T., Sage, J., Peltz, G.
2017; 2 (17)
- **Palonosetron and hydroxyzine pre-treatment reduces the objective signs of experimentally-induced acute opioid withdrawal in humans: a double-blinded, randomized, placebo-controlled crossover study.** *American journal of drug and alcohol abuse*
Erlendson, M. J., D'Arcy, N., Encisco, E. M., Yu, J. J., Rincon-Cruz, L., Peltz, G., Clark, J. D., Chu, L. F.
2016: 1-9
- **A Pharmacogenetic Discovery: Cystamine Protects Against Haloperidol-Induced Toxicity and Ischemic Brain Injury** *GENETICS*
Zhang, H., Zheng, M., Wu, M., Xu, D., Nishimura, T., Nishimura, Y., Giffard, R., Xiong, X., Xu, L. J., Clark, J. D., Sahbaie, P., Dill, D. L., Peltz, et al
2016; 203 (1): 599-?
- **The multiple PDZ domain protein Mpdz/MUPP1 regulates opioid tolerance and opioid-induced hyperalgesia** *BMC GENOMICS*
Donaldson, R., Sun, Y., Liang, D., Zheng, M., Sahbaie, P., Dill, D. L., Peltz, G., Buck, K. J., Clark, J. D.
2016; 17
- **Quantitative CRISPR interference screens in yeast identify chemical-genetic interactions and new rules for guide RNA design.** *Genome biology*
Smith, J. D., Suresh, S., Schlecht, U., Wu, M., Wagih, O., Peltz, G., Davis, R. W., Steinmetz, L. M., Parts, L., St Onge, R. P.
2016; 17 (1): 45-?
- **Can Humanized Mice Predict Drug "Behavior" in Humans?** *Annual review of pharmacology and toxicology*
Xu, D., Peltz, G.
2016; 56: 323–38
- **Treating Liver Fibrosis: (Re)Programmed to Succeed.** *Cell stem cell*
Guan, Y., Xu, D., Peltz, G.
2016; 18 (6): 683–84
- **Palonosetron and hydroxyzine pre-treatment reduces the objective signs of experimentally-induced acute opioid withdrawal in humans: a double-blinded, randomized, placebo-controlled crossover study** *The American Journal of Drug and Alcohol Abuse*
Erlendson, M., D'Arcy, N., Encisco, E., Yu, J., Rincon-Cruz, L., Peltz, G., Clark, D. J., Chu, L. F.
2016: 1-9
- **Can Humanized Mice Predict Drug "Behavior" in Humans?** *ANNUAL REVIEW OF PHARMACOLOGY AND TOXICOLOGY, VOL 56*
Xu, D., Peltz, G.
2016; 56: 323-338
- **Long-Acting Opioids for Treating Neonatal Abstinence Syndrome A High Price for a Short Stay?** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Peltz, G., Anand, K. J.
2015; 314 (19): 2023-2024
- **Humanized Thymidine Kinase-NOG Mice Can Be Used to Identify Drugs That Cause Animal-Specific Hepatotoxicity: A Case Study with Furosemide** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*
Xu, D., Michie, S. A., Zheng, M., Takeda, S., Wu, M., Peltz, G.

2015; 354 (1): 73-78

- **Ondansetron pharmacokinetics in pregnant women and neonates: towards a new treatment for neonatal abstinence syndrome.** *Clinical pharmacology & therapeutics*

Elkomy, M., Sultan, P., Carvalho, B., Peltz, G., Wu, M., Clavijo, C., Galinkin, J., Drover, D.

2015; 97 (2): 167-176

- **The role of abcb5 alleles in susceptibility to haloperidol-induced toxicity in mice and humans.** *PLoS medicine*

Zheng, M., Zhang, H., Dill, D. L., Clark, J. D., Tu, S., Yablonovitch, A. L., Tan, M. H., Zhang, R., Rujescu, D., Wu, M., Tessarollo, L., Vieira, W., Gottesman, et al

2015; 12 (2): e1001782

- **Chimeric TK-NOG Mice: A Predictive Model for Cholestatic Human Liver Toxicity.** *journal of pharmacology and experimental therapeutics*

Xu, D., Wu, M., Nishimura, S., Nishimura, T., Michie, S. A., Zheng, M., Yang, Z., Yates, A. J., Day, J. S., Hillgren, K. M., Takeda, S. T., Guan, Y., Guo, et al

2015; 352 (2): 274-280

- **The role of Abcb5 alleles in susceptibility to haloperidol-induced toxicity in mice and humans.** *PLoS medicine*

Zheng, M., Zhang, H., Dill, D. L., Clark, J. D., Tu, S., Yablonovitch, A. L., Tan, M. H., Zhang, R., Rujescu, D., Wu, M., Tessarollo, L., Vieira, W., Gottesman, et al

2015; 12 (2)

- **The Netrin-1 receptor DCC is a regulator of maladaptive responses to chronic morphine administration** *BMC GENOMICS*

Liang, D., Zheng, M., Sun, Y., Sahbaie, P., Low, S. A., Peltz, G., Scherrer, G., Flores, C., Clark, J. D.

2014; 15

- **Fialuridine Induces Acute Liver Failure in Chimeric TK-NOG Mice: A Model for Detecting Hepatic Drug Toxicity Prior to Human Testing.** *PLoS medicine*

Xu, D., Nishimura, T., Nishimura, S., Zhang, H., Zheng, M., Guo, Y., Masek, M., Michie, S. A., Glenn, J., Peltz, G.

2014; 11 (4)

- **Fialuridine induces acute liver failure in chimeric TK-NOG mice: a model for detecting hepatic drug toxicity prior to human testing.** *PLoS medicine*

Xu, D., Nishimura, T., Nishimura, S., Zhang, H., Zheng, M., Guo, Y., Masek, M., Michie, S. A., Glenn, J., Peltz, G.

2014; 11 (4)

- **Enabling Autologous Human Liver Regeneration With Differentiated Adipocyte Stem Cells** *CELL TRANSPLANTATION*

Xu, D., Nishimura, T., Zheng, M., Wu, M., Su, H., Sato, N., Lee, G., Michie, S., Glenn, J., Peltz, G.

2014; 23 (12): 1573-1584

- **Liquid chromatography/mass spectrometry methods for measuring dipeptide abundance in non-small-cell lung cancer.** *Rapid communications in mass spectrometry : RCM*

Wu, M., Xu, Y., Fitch, W. L., Zheng, M., Merritt, R. E., Shrager, J. B., Zhang, W., Dill, D. L., Peltz, G., Hoang, C. D.

2013; 27 (18): 2091-2098

- **Acute and chronic phases of complex regional pain syndrome in mice are accompanied by distinct transcriptional changes in the spinal cord** *MOLECULAR PAIN*

Gallagher, J. J., Tajerian, M., Guo, T., Shi, X., Li, W., Zheng, M., Peltz, G., Kingery, W. S., Clark, J. D.

2013; 9

- **Metabolomic-derived novel cyst fluid biomarkers for pancreatic cysts: glucose and kynurenine.** *Gastrointestinal endoscopy*

Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., Norton, J. A., Banerjee, S., Chen, A. M., Friedland, et al

2013; 78 (2): 295-302 e2

- **Metabolomic-derived novel cyst fluid biomarkers for pancreatic cysts: glucose and kynurenine** *GASTROINTESTINAL ENDOSCOPY*

Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., Norton, J. A., Banerjee, S., Chen, A. M., Friedland, et al

2013; 78 (2): 295-?

- **Can 'humanized' mice improve drug development in the 21st century?** *Trends in pharmacological sciences*

Peltz, G.

2013; 34 (5): 255-260

- **Using Chimeric Mice with Humanized Livers to Predict Human Drug Metabolism and a Drug-Drug Interaction** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*

- Nishimura, T., Hu, Y., Wu, M., Pham, E., Suemizu, H., Elazar, M., Liu, M., Idilman, R., Yurdaydin, C., Angus, P., Stedman, C., Murphy, B., Glenn, et al
2013; 344 (2): 388-396
- **Human pharmacogenetic analysis in chimeric mice with 'humanized livers'** *PHARMACOGENETICS AND GENOMICS*
Hu, Y., Wu, M., Nishimura, T., Zheng, M., Peltz, G.
2013; 23 (2): 78-83
 - **OPIATE-INDUCED CHANGES IN BRAIN ADENOSINE LEVELS AND NARCOTIC DRUG RESPONSES** *NEUROSCIENCE*
Wu, M., Sahbaie, P., Zheng, M., Lobato, R., Boison, D., Clark, J. D., Peltz, G.
2013; 228: 235-242
 - **Reply to Bissig and Grompe.** *Trends in pharmacological sciences*
Peltz, G.
2013
 - **Identification of drug targets by chemogenomic and metabolomic profiling in yeast** *PHARMACOGENETICS AND GENOMICS*
Wu, M., Zheng, M., Zhang, W., Suresh, S., Schlecht, U., Fitch, W. L., Aronova, S., Baumann, S., Davis, R., St Onge, R., Dill, D. L., Peltz, G.
2012; 22 (12): 877-886
 - **Diagnostic Utility of Metabolomic-Derived Biomarkers for Pancreatic Cysts**
Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., NORTON, J. A., Banerjee, S., Chen, A. M., Friedland, et al
LIPPINCOTT WILLIAMS & WILKINS.2012: 1394-94
 - **Computational genetic discoveries that could improve perioperative medicine** *CURRENT OPINION IN ANESTHESIOLOGY*
Zheng, M., Dill, D., Clark, J. D., Peltz, G.
2012; 25 (4): 428-433
 - **Cd14 SNPs regulate the innate immune response** *MOLECULAR IMMUNOLOGY*
Liu, H., Hu, Y., Zheng, M., Suhoski, M. M., Engleman, E. G., Dill, D. L., Hudnall, M., Wang, J., Spolski, R., Leonard, W. J., Peltz, G.
2012; 51 (2): 112-127
 - **Genetically determined P2X7 receptor pore formation regulates variability in chronic pain sensitivity** *NATURE MEDICINE*
Sorge, R. E., Trang, T., Dorfman, R., Smith, S. B., Beggs, S., Ritchie, J., Austin, J., Zaykin, D. V., Vander Meulen, H., Costigan, M., Herbert, T. A., Yarkoni-Abitbul, M., Tichauer, et al
2012; 18 (4): 595-599
 - **A better prognosis for genetic association studies in mice** *TRENDS IN GENETICS*
Zheng, M., Dill, D., Peltz, G.
2012; 28 (2): 62-69
 - **Next-Generation Computational Genetic Analysis: Multiple Complement Alleles Control Survival after *Candida albicans* Infection** *INFECTION AND IMMUNITY*
Peltz, G., Zaas, A. K., Zheng, M., Solis, N. V., Zhang, M. X., Liu, H., Hu, Y., Boxx, G. M., Phan, Q. T., Dill, D., Filler, S. G.
2011; 79 (11): 4472-4479
 - **Using 'Humanized' TK-NOG mice to predict human drug metabolism and drug-drug interactions** *17th North American Regional International-Society-for-the-Study-of-Xenobiotics (ISSX) Meeting*
Hu, Y., Nishimura, T., Wu, M., Suemizu, H., Elazar, M., Glenn, J., Hasegawa, M., Nakamura, M., Nomura, T., Chen, Y., Zheng, M., Fitch, W. L., Peltz, et al
INFORMA HEALTHCARE.2011: 164-165
 - **H5N1 Influenza Virus Pathogenesis in Genetically Diverse Mice Is Mediated at the Level of Viral Load** *MBIO*
Boon, A. C., Finkelstein, D., Zheng, M., Liao, G., Allard, J., Klumpp, K., Webster, R., Peltz, G., Webby, R. J.
2011; 2 (5)
 - **The reconstituted 'humanized liver' in TK-NOG mice is mature and functional** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Hasegawa, M., Kawai, K., Mitsui, T., Taniguchi, K., Monnai, M., Wakui, M., Ito, M., Suematsu, M., Peltz, G., Nakamura, M., Suemizu, H.
2011; 405 (3): 405-410
 - **In silico and in vitro pharmacogenetics: aldehyde oxidase rapidly metabolizes a p38 kinase inhibitor** *PHARMACOGENOMICS JOURNAL*
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2011; 11 (1): 15-24

- **The Role of Interleukin-1 in Wound Biology. Part I: Murine In Silico and In Vitro Experimental Analysis** *ANESTHESIA AND ANALGESIA*
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2010; 111 (6): 1525-1533
- **The Role of Interleukin-1 in Wound Biology. Part II: In Vivo and Human Translational Studies** *ANESTHESIA AND ANALGESIA*
Hu, Y., Liang, D., Li, X., Liu, H., Zhang, X., Zheng, M., Dill, D., Shi, X., Qiao, Y., Yeomans, D., Carvalho, B., Angst, M. S., Clark, et al
2010; 111 (6): 1534-1542
- **Genetic Susceptibility to the Delayed Sequelae of Neonatal Respiratory Syncytial Virus Infection Is MHC Dependent** *JOURNAL OF IMMUNOLOGY*
Tregoning, J. S., Yamaguchi, Y., Wang, B., Mihm, D., Harker, J. A., Bushell, E. S., Zheng, M., Liao, G., Peltz, G., Openshaw, P. J.
2010; 185 (9): 5384-5391
- **Special article: an optimistic prognosis for the clinical utility of laboratory test data.** *Anesthesia and analgesia*
Zheng, M., Ravindran, P., Wang, J., Epstein, R. H., Chen, D. P., Butte, A. J., Peltz, G.
2010; 111 (4): 1026-1035
- **An Optimistic Prognosis for the Clinical Utility of Laboratory Test Data** *ANESTHESIA AND ANALGESIA*
Zheng, M., Ravindran, P., Wang, J., Epstein, R. H., Chen, D. P., Butte, A. J., Peltz, G.
2010; 111 (4): 1026-1035
- **METABOLOMIC PROFILING OF LUNG ADENOCARCINOMA**
Hoang, C. D., Wu, M., Xu, Y., Peltz, G., Merritt, R., Whyte, R., Shrager, J.
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- **MULTIPLE MICRORNA ARE DYSREGULATED IN MESOTHELIOMA**
Hoang, C. D., Xu, Y., Zheng, M., Peltz, G., Shrager, J., Kratzke, R.
LIPPINCOTT WILLIAMS & WILKINS.2010: S105-S106
- **Discovery of potent and bioavailable GSK-3 beta inhibitors** *BIOORGANIC & MEDICINAL CHEMISTRY LETTERS*
Gong, L., Hirschfeld, D., Tan, Y., Hogg, J. H., Peltz, G., Avnur, Z., Dunten, P.
2010; 20 (5): 1693-1696
- **Expression genetics identifies spinal mechanisms supporting formalin late phase behaviors** *MOLECULAR PAIN*
Li, X., Sahbaie, P., Zheng, M., Ritchie, J., Peltz, G., Mogil, J. S., Clark, J. D.
2010; 6
- **An integrative genomic analysis identifies Bhmt2 as a diet-dependent genetic factor protecting against acetaminophen-induced liver toxicity** *GENOME RESEARCH*
Liu, H., Lu, P., Guo, Y., Farrell, E., Zhang, X., Zheng, M., Bosano, B., Zhang, Z., Allard, J., Liao, G., Fu, S., Chen, J., Dolim, et al
2010; 20 (1): 28-35
- **Genetic discovery: the prescription for chronic pain** *GENOME MEDICINE*
Zheng, M., Peltz, G.
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- **Genetic discovery: the prescription for chronic pain.** *Genome medicine*
Zheng, M., Peltz, G.
2010; 2 (11): 82-?
- **Computational Genetic Mapping in Mice: The Ship Has Sailed** *SCIENCE TRANSLATIONAL MEDICINE*
Zheng, M., Shafer, S., Liao, G., Liu, H., Peltz, G.
2009; 1 (3)
- **The beta(3) subunit of the Na⁺,K⁺-ATPase mediates variable nociceptive sensitivity in the formalin test** *PAIN*
LaCroix-Fralish, M. L., Mo, G., Smith, S. B., Sotocinal, S. G., Ritchie, J., Austin, J., Melmed, K., Schorscher-Petcu, A., Laferriere, A. C., Lee, T. H., Romanovsky, D., Liao, G., Behlke, et al
2009; 144 (3): 294-302
- **From mouse to man: the 5-HT3 receptor modulates physical dependence on opioid narcotics** *PHARMACOGENETICS AND GENOMICS*

- Chu, L. F., Liang, D., Li, X., Sahbaie, P., D'Arcy, N., Liao, G., Peltz, G., Clark, J. D.
2009; 19 (3): 193-205
- **Establishment of a humanized model of liver using NOD/Shi-scid IL2Rg(null) mice** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Suemizu, H., Hasegawa, M., Kawai, K., Taniguchi, K., Monnai, M., Wakui, M., Suematsu, M., Ito, M., Peltz, G., Nakamura, M.
2008; 377 (1): 248-252
 - **Genetic Variation in Candidate Osteoporosis Genes, Bone Mineral Density, and Fracture Risk: The Study of Osteoporotic Fractures** *CALCIFIED TISSUE INTERNATIONAL*
Tranah, G. J., Taylor, B. C., Lui, L., Zmuda, J. M., Cauley, J. A., Ensrud, K. E., Hillier, T. A., Hochberg, M. C., Li, J., Rhee, B. K., Erlich, H. A., Sternlicht, M. D., Peltz, et al
2008; 83 (3): 155-166
 - **Plasminogen Alleles Influence Susceptibility to Invasive Aspergillosis** *PLOS GENETICS*
Zaas, A. K., Liao, G., Chien, J. W., Weinberg, C., Shore, D., Giles, S. S., Marr, K. A., Usuka, J., Burch, L. H., Perera, L., Perfect, J. R., Peltz, G., Schwartz, et al
2008; 4 (6)
 - **Persistent activation of an innate immune response translates respiratory viral infection into chronic lung disease** *NATURE MEDICINE*
Kim, E. Y., Battaile, J. T., Patel, A. C., You, Y., Agapov, E., Grayson, M. H., Benoit, L. A., Byers, D. E., Alevy, Y., Tucker, J., Swanson, S., Tidwell, R., Tyner, et al
2008; 14 (6): 633-640
 - **Osteoprotegerin Lys3Asn polymorphism and the risk of fracture in older women** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Moffett, S. P., Oakley, J. I., Cauley, J. A., Lui, L. Y., Ensrud, K. E., Taylor, B. C., Hillier, T. A., Hochberg, M. C., Li, J., Cayabyab, S., Lee, J. M., Peltz, G., Cummings, et al
2008; 93 (5): 2002-2008
 - **Quantitative trait locus and computational mapping identifies Kcnj9 (GIRK3) as a candidate gene affecting analgesia from multiple drug classes** *PHARMACOGENETICS AND GENOMICS*
Smith, S. B., Marker, C. L., Perry, C., Liao, G., Sotocinal, S. G., Austin, J., Melmed, K., Clark, J. D., Peltz, G., Wickman, K., Mogil, J. S.
2008; 18 (3): 231-241
 - **Bone microstructure and its associated genetic variability in 12 inbred mouse strains: mu T study and in silico genome scan** *BONE*
Sabsovich, I., Clark, J. D., Liao, G., Peltz, G., Lindsey, D. P., Jacobs, C. R., Yao, W., Guo, T., Kingery, W. S.
2008; 42 (2): 439-451
 - **A genomic "Roadmap" to "Better" drugs** *DRUG METABOLISM REVIEWS*
Liao, G., Zhang, X., Clark, D. J., Peltz, G.
2008; 40 (2): 225-239
 - **In silico and in vitro pharmacogenetic analysis in mice** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Guo, Y., Lu, P., Farrell, E., Zhang, X., Weller, P., Monshouwer, M., Wang, J., Liao, G., Zhang, Z., Hu, S., Allard, J., Shafer, S., Usuka, et al
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 - **2D NMR metabonomic analysis: a novel method for automated peak alignment** *BIOINFORMATICS*
Zheng, M., Lu, P., Liu, Y., Pease, J., Usuka, J., Liao, G., Peltz, G.
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 - **beta-Catenin signaling promotes proliferation of progenitor cells in the adult mouse subventricular zone** *STEM CELLS*
Adachi, K., Mirzadeh, Z., Sakaguchi, M., Yamashita, T., Nikolcheva, T., Gotoh, Y., Peltz, G., Gong, L., Kawase, T., Alvarez-Buylla, A., Okano, H., Sawamoto, K.
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 - **Mouse chromosome 7 harbors a quantitative trait locus for isoflurane minimum alveolar concentration** *ANESTHESIA AND ANALGESIA*
Cascio, M., Xing, Y., Gong, D., Popovich, J., Eger, E. I., Sen, S., Peltz, G., Sonner, J. M.
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