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INSTITUTE AFFILIATIONS

- Member, Cardiovascular Institute

Publications

PUBLICATIONS

- **Targeting of Cdc42-Interacting Protein 4-Calcineurin Signalosomes Improves Cardiac Structure and Function After Myocardial Infarction.** *Journal of the American Heart Association*
  Samuelsson, A. M., Bayer, A. L., Li, J., Li, Y., Lewis, D., Turcotte, M. G., Dodge-Kafka, K. L., Alcaide, P., Kapiloff, M. S.
  2025: e044692

- **HDAC4 Promotes Neuroprotection of Retinal Ganglion Cells After Optic Nerve Injury.** *Investigative ophthalmology & visual science*
  Zhu, Y., Yan, W., Bian, M., Xia, X., Nahmou, M., Nair, R. V., Li, J., Li, X., Thakur, H. S., Sun, C. B., Russano, K., Luo, Z., Huie, et al
  2025; 66 (15): 60

- **HDAC4 Promotes Neuroprotection of Retinal Ganglion Cells After Optic Nerve Injury** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
  Zhu, Y., Yan, W., Bian, M., Xia, X., Nahmou, M., Nair, R., Li, J., Li, X., Thakur, H., Sun, C. B., Russano, K., Luo, Z., Huie, et al
  2025; 66 (15)

- **Unique Role of Intracellular Perinuclear β1-Adrenergic Receptors in Defining Signaling Compartmentation and Pathological Cardiac Remodeling.** *Circulation*
  Turcotte, M. G., Samuelsson, A. M., Possidento, S. M., Li, J., Qin, Z., Kapiloff, M. S., Dodge-Kafka, K. L.
  2025

- **Reversal of injury-associated retinal ganglion cell gene expression by a phosphodiesterase anchoring disruptor peptide.** *Experimental eye research*
  Zhu, Y., Nair, R. V., Xia, X., Nahmou, M., Li, X., Yan, W., Li, J., Tanasa, B., Goldberg, J. L., Kapiloff, M. S.
  2024; 246: 110017

- **Protein phosphatase 2A anchoring disruptor gene therapy for familial dilated cardiomyopathy.** *Molecular therapy. Methods & clinical development*
  Li, X., Li, J., Samuelsson, A. M., Thakur, H., Kapiloff, M. S.
  2024; 32 (2): 101233

- **Distribution of cardiomyocyte-selective adeno-associated virus serotype 9 vectors in swine following intracoronary and intravenous infusion.** *Physiological genomics*
  Li, J., Kelly, S. C., Ivey, J. R., Thorne, P. K., Yamada, K. P., Aikawa, T., Mazurek, R., Turk, J. R., Silva, K. A., Amin, A. R., Tharp, D. L., Mueller, C. M., Thakur, et al
  2022

- **Nuclear localized HDAC4 increases retinal ganglion cell survival after optic nerve crush injury**
  Zhu, Y., Li, J., Bian, M., Xia, X., Nahmou, M., Sun, C., Goldberg, J. L., Kapiloff, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **FGF21-FGFR4 signaling in cardiac myocytes promotes concentric cardiac hypertrophy in mouse models of diabetes.** *Scientific reports*

Yanucil, C., Kentrup, D., Li, X., Grabner, A., Schramm, K., Martinez, E. C., Li, J., Campos, I., Czaya, B., Heitman, K., Westbrook, D., Wende, A. R., Sloan, et al
2022; 12 (1): 7326

- **Targeting mAKAPbeta expression as a therapeutic approach for ischemic cardiomyopathy.** *Gene therapy*
  Martinez, E. C., Li, J., Ataam, J. A., Tokarski, K., Thakur, H., Karakikes, I., Dodge-Kafka, K., Kapiloff, M. S.
  1800

- **Calcineurin Abeta-Specific Anchoring Confers Isoform-Specific Compartmentation and Function in Pathological Cardiac Myocyte Hypertrophy.** *Circulation*
  Li, X., Li, J., Martinez, E. C., Froese, A., Passariello, C. L., Henshaw, K., Rusconi, F., Li, Y., Yu, Q., Thakur, H., Nikolaev, V. O., Kapiloff, M. S.
  2020

- **Signalosome-Regulated SRF Phosphorylation Determining Myocyte Growth in Width versus Length as a Therapeutic Target for Heart Failure.** *Circulation*
  Li, J. n., Tan, Y. n., Passariello, C. L., Martinez, E. C., Kritzer, M. D., Li, X. n., Li, X. n., Li, Y. n., Yu, Q. n., Ohgi, K. n., Thakur, H. n., MacArthur, J. W., Ivey, et al
  2020

- **Regulation of Neuronal Survival and Axon Growth by a Perinuclear cAMP Compartment** *JOURNAL OF NEUROSCIENCE*
  Boczek, T., Cameron, E. G., Yu, W., Xia, X., Shah, S. H., Chabeco, B., Galvao, J., Nahmou, M., Li, J., Thakur, H., Goldberg, J. L., Kapiloff, M. S.
  2019; 39 (28): 5466–80

- **Muscle A-kinase-anchoring protein-beta-bound calcineurin toggles active and repressive transcriptional complexes of myocyte enhancer factor 2D** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Li, J., Paris, S., Thakur, H., Kapiloff, M. S., Dodge-Kafka, K. L.
  2019; 294 (7): 2543–54

- **Regulation of Neuronal Survival and Axon Growth by a Perinuclear cAMP Compartment.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
  Boczek, T. n., Cameron, E. G., Yu, W. n., Xia, X. n., Shah, S. H., Castillo Chabeco, B. n., Galvao, J. n., Nahmou, M. n., Li, J. n., Thakur, H. n., Goldberg, J. L., Kapiloff, M. S.
  2019

- **Muscle A-kinase-anchoring protein-beta-bound calcineurin toggles active and repressive transcriptional complexes of myocyte enhancer factor 2D.** *The Journal of biological chemistry*
  Li, J., Aponte Paris, S., Thakur, H., Kapiloff, M. S., Dodge-Kafka, K. L.
  2018

- **Bidirectional regulation of HDAC5 by mAKAP beta signalosomes in cardiac myocytes** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*
  Dodge-Kafka, K. L., Gildart, M., Li, J., Thakur, H., Kapiloff, M. S.
  2018; 118: 13–25

- **An AKAP-Lbc-RhoA interaction inhibitor promotes the translocation of aquaporin-2 to the plasma membrane of renal collecting duct principal cells.** *PloS one*
  Schrade, K., Tröger, J., Eldahshan, A., Zühlke, K., Abdul Azeez, K. R., Elkins, J. M., Neuenschwander, M., Oder, A., Elkewedi, M., Jaksch, S., Andrae, K., Li, J., Fernandes, et al
  2018; 13 (1): e0191423

- **RSK3 is required for concentric myocyte hypertrophy in an activated Raf1 model for Noonan syndrome.** *Journal of molecular and cellular cardiology*
  Passariello, C. L., Martinez, E. C., Thakur, H., Cesareo, M., Li, J., Kapiloff, M. S.
  2016; 93: 98-105

- **Muscle A-Kinase Anchoring Protein-a is an Injury-Specific Signaling Scaffold Required for Neurotrophic- and Cyclic Adenosine Monophosphate-Mediated Survival.** *EBioMedicine*
  Wang, Y., Cameron, E. G., Li, J., Stiles, T. L., Kritzer, M. D., Lodhavia, R., Hertz, J., Nguyen, T., Kapiloff, M. S., Goldberg, J. L.
  2015; 2 (12): 1880-1887

- **RSK3: A regulator of pathological cardiac remodeling.** *IUBMB life*
  Martinez, E. C., Passariello, C. L., Li, J., Matheson, C. J., Dodge-Kafka, K., Reigan, P., Kapiloff, M. S.

2015; 67 (5): 331-7

- **S-nitrosoglutathione reductase-dependent PPARγ denitrosylation participates in MSC-derived adipogenesis and osteogenesis.** *The Journal of clinical investigation*
  Cao, Y., Gomes, S. A., Rangel, E. B., Paulino, E. C., Fonseca, T. L., Li, J., Teixeira, M. B., Gouveia, C. H., Bianco, A. C., Kapiloff, M. S., Balkan, W., Hare, J. M.
  2015; 125 (4): 1679-91
- **mAKAP-a master scaffold for cardiac remodeling.** *Journal of cardiovascular pharmacology*
  Passariello, C. L., Li, J., Dodge-Kafka, K., Kapiloff, M. S.
  2015; 65 (3): 218-25
- **The scaffold protein muscle A-kinase anchoring protein β orchestrates cardiac myocyte hypertrophic signaling required for the development of heart failure.** *Circulation. Heart failure*
  Kritzer, M. D., Li, J., Passariello, C. L., Gayanilo, M., Thakur, H., Dayan, J., Dodge-Kafka, K., Kapiloff, M. S.
  2014; 7 (4): 663-72
- **p90 ribosomal S6 kinase 3 contributes to cardiac insufficiency in α-tropomyosin Glu180Gly transgenic mice.** *American journal of physiology. Heart and circulatory physiology*
  Passariello, C. L., Gayanilo, M., Kritzer, M. D., Thakur, H., Cozacov, Z., Rusconi, F., Wieczorek, D., Sanders, M., Li, J., Kapiloff, M. S.
  2013; 305 (7): H1010-9
- **CIP4 is required for the hypertrophic growth of neonatal cardiac myocytes.** *Journal of biomedical science*
  Rusconi, F., Thakur, H., Li, J., Kapiloff, M. S.
  2013; 20: 56
- **Regulation of MEF2 transcriptional activity by calcineurin/mAKAP complexes.** *Experimental cell research*
  Li, J., Vargas, M. A., Kapiloff, M. S., Dodge-Kafka, K. L.
  2013; 319 (4): 447-54
- **Anchored p90 ribosomal S6 kinase 3 is required for cardiac myocyte hypertrophy.** *Circulation research*
  Li, J., Kritzer, M. D., Michel, J. J., Le, A., Thakur, H., Gayanilo, M., Passariello, C. L., Negro, A., Danial, J. B., Oskouei, B., Sanders, M., Hare, J. M., Hanauer, et al
  2013; 112 (1): 128-39
- **AKAPs: the architectural underpinnings of local cAMP signaling.** *Journal of molecular and cellular cardiology*
  Kritzer, M. D., Li, J., Dodge-Kafka, K., Kapiloff, M. S.
  2012; 52 (2): 351-8
- **A-kinase anchoring proteins: scaffolding proteins in the heart.** *American journal of physiology. Heart and circulatory physiology*
  Diviani, D., Dodge-Kafka, K. L., Li, J., Kapiloff, M. S.
  2011; 301 (5): H1742-53
- **The mAKAPbeta scaffold regulates cardiac myocyte hypertrophy via recruitment of activated calcineurin.** *Journal of molecular and cellular cardiology*
  Li, J., Negro, A., Lopez, J., Bauman, A. L., Henson, E., Dodge-Kafka, K., Kapiloff, M. S.
  2010; 48 (2): 387-94
- **An adenylyl cyclase-mAKAPbeta signaling complex regulates cAMP levels in cardiac myocytes.** *The Journal of biological chemistry*
  Kapiloff, M. S., Piggott, L. A., Sadana, R., Li, J., Heredia, L. A., Henson, E., Efendiev, R., Dessauer, C. W.
  2009; 284 (35): 23540-6
- **Cardiomyogenic stem and progenitor cell plasticity and the dissection of cardiopoiesis.** *Journal of molecular and cellular cardiology*
  Perino, M. G., Yamanaka, S., Li, J., Wobus, A. M., Boheler, K. R.
  2008; 45 (4): 475-94
- **B-MYB is essential for normal cell cycle progression and chromosomal stability of embryonic stem cells.** *PloS one*
  Tarasov, K. V., Tarasova, Y. S., Tam, W. L., Riordon, D. R., Elliott, S. T., Kania, G., Li, J., Yamanaka, S., Crider, D. G., Testa, G., Li, R. A., Lim, B., Stewart, et al
  2008; 3 (6): e2478

- **Pluripotency of embryonic stem cells.** *Cell and tissue research*
  Yamanaka, S., Li, J., Kania, G., Elliott, S., Wersto, R. P., Van Eyk, J., Wobus, A. M., Boheler, K. R.
  2008; 331 (1): 5-22
- **The pro-angiogenic cytokine pleiotrophin potentiates cardiomyocyte apoptosis through inhibition of endogenous AKT/PKB activity.** *The Journal of biological chemistry*
  Li, J., Wei, H., Chesley, A., Moon, C., Krawczyk, M., Volkova, M., Ziman, B., Margulies, K. B., Talan, M., Crow, M. T., Boheler, K. R.
  2007; 282 (48): 34984-93
- **Embryonic stem cells and cardiomyocyte differentiation: phenotypic and molecular analyses.** *Journal of cellular and molecular medicine*
  Wei, H., Juhasz, O., Li, J., Tarasova, Y. S., Boheler, K. R.
  2005; 9 (4): 804-17
- **Gene expression profiles in response to the activation of adrenoceptors in A7r5 aortic smooth muscle cells.** *Clinical and experimental pharmacology & physiology*
  Wang, Y., Hou, R., Li, P., Li, J., Yan, J., Yin, F., Han, C., Zhang, Y.
  2004; 31 (9): 602-7
- **[Comparison of changes in left ventricular gene expression profiles from different cardiac hypertrophy models in rats].** *Sheng li xue bao : [Acta physiologica Sinica]*
  Li, P., Li, J. L., Feng, X. H., Li, Z. P., Yin, F., Yan, J., Hou, R., Han, Q. D., Zhang, Y. Y.
  2004; 56 (2): 210-8
- **Effects of losartan on pressure overload-induced cardiac gene expression profiling in rats.** *Clinical and experimental pharmacology & physiology*
  Li, J., Li, P., Feng, X., Li, Z., Hou, R., Han, C., Zhang, Y.
  2003; 30 (11): 827-32
- **Gene expression profile of cardiomyocytes in hypertrophic heart induced by continuous norepinephrine infusion in the rats.** *Cellular and molecular life sciences : CMLS*
  Li, P., Li, J., Feng, X., Li, Z., Hou, R., Han, C., Zhang, Y.
  2003; 60 (10): 2200-9
- **[Alterations of Axin protein expression during cardiac remodeling in rats].** *Sheng li xue bao : [Acta physiologica Sinica]*
  Li, P., Li, J. L., Yin, F., Yan, J., Feng, X. H., Li, Z. P., Han, Q. D., Zhang, Y. Y.
  2003; 55 (3): 331-5
- **[Changes in the gene expression profile of the left heart ventricle during growth in the rat].** *Sheng li xue bao : [Acta physiologica Sinica]*
  Li, P., Li, J. L., Hou, R., Han, Q. D., Zhang, Y. Y.
  2003; 55 (2): 191-6