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**EDUCATION**

- Oct. 1994-June 1997: **Ph. D.** (Neurobiology/Animal Physiology), Institute of Zoology, University of Salzburg, Salzburg, Austria (Advisers: Drs. Anton Hermann, and Hubert H. Kerschbaum)
- Sept. 1984-Oct. 1987: **M. S.** (Veterinary Pharmacology and Toxicology), Nanjing Agricultural University, Nanjing, Jiangsu, China (Adviser: Prof. Yao-Fang Rong)
- Sept. 1980-July 1984: **B. S.** with *Summa Cum Laude* (Veterinary Medicine, equivalent to **D.V.M.** in the USA), Anhui Agricultural University, Hefei, Anhui, China

**APPOINTMENTS**

- Feb 2017-Aug 2017: Visiting Professor (Sabbatical), Biozentrum, University of Basel, Switzerland (Host: Dr. Michael N. Hall)
- Dec 2015-Present: Director, Developmental Therapeutics-Natural Products Group, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, Shreveport, LA
- July 2014-Nov 2015: Co-Director, Developmental Therapeutics-Natural Products Group, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, Shreveport, LA
- Mar 2013-June 2014: Director, Natural Products Group, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, Shreveport, LA
- July 2009-Present: Associate Professor (with tenure), Department of Biochemistry and Molecular Biology, Louisiana State University Health Sciences Center, Shreveport, LA
- July 2008-June 2009: Director, Cell Motility and Invasion Group, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, Shreveport, LA
- July 2008-June 2009: Chair, Departmental Graduate Admissions Committee, Department of Biochemistry and Molecular Biology, Louisiana State University Health Sciences Center, Shreveport, LA
- Aug. 2003-Present: Member, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, Shreveport, LA
- Aug.2003-June 2009: Assistant Professor (tenure-track), Department of Biochemistry and Molecular Biology, Louisiana State University Health Sciences Center, Shreveport, LA
- Nov.1998-July 2003: Postdoctoral Research Associate, Department of Molecular Pharmacology, St. Jude Children's Research Hospital, Memphis, Tennessee (Mentor: Dr. Peter J. Houghton)
- July 1997-Nov.1998: Postdoctoral Research Associate, Department of Physiology and Biophysics, University of Tennessee, Memphis, Tennessee (Mentor: Dr. Aviv I. Hassid)
- Dec.1994-June 1997: Associate Professor, Department of Biophysics, Nanjing Agricultural University, Nanjing, China

Mar.1990-Nov.1994: Assistant Professor, Department of Biophysics, Nanjing Agricultural University, Nanjing, China  
Oct. 1987-Feb. 1990: Instructor, Department of Biophysics, Nanjing Agricultural University, Nanjing, China

## **MEMBERSHIPS, HONORS AND AWARDS**

### ***Academic Memberships***

1999-Present: American Association for Cancer Research  
2005-Present: American Society for Cell Biology  
2010-Present: American Society for Biochemistry and Molecular Biology

### ***Awards and Honors***

2018 Marquis Who's Who Lifetime Achievement Award  
2017 Albert Nelson Marquis Lifetime Achievement Award  
2013 Minjiang Scholar  
2010 Marquis Who's Who in America  
2008-2013 American Cancer Society Research Scholar  
2006 Travel award from Gordon Research Conferences (*Molecular Therapeutics of Cancer*) to have a poster presentation (Oxford, England, July 16-21).  
2003 Travel award from Gordon Research Conferences (*Molecular Therapeutics of Cancer*) to have a poster presentation (Oxford, England, July 13-18).

### **National and International Service**

#### ***Grant Review***

2019 *Ad hoc* reviewer for DoD CDMRP Tuberous Sclerosis Complex Research Program (TSCR) panel  
12/2018 *Ad hoc* reviewer for Swiss National Science Foundation  
2013-2017 *Ad hoc* reviewer for DoD CDMRP Tuberous Sclerosis Complex Research Program (TSCR) panel  
07/2015 *Ad hoc* reviewer for NIH Oncological Sciences Fellowship Panel  
03/2015 *Ad hoc* reviewer for American Cancer Society (ACS) Bypass Committee-F14  
11/2013 *Ad hoc* reviewer for The Netherlands Organization for Scientific Research  
04/2013 *Ad hoc* reviewer for American Heart Association Study Group  
09/2012, 09/2017 *Ad hoc* reviewer for Genesis Oncology Trust, New Zealand  
2012 *Ad hoc* reviewer for DoD CDMRP Neurofibromatosis Panel  
08/2011 *Ad hoc* reviewer for Association for International Cancer Research (AICR), UK  
2010 - 2012 *Ad hoc* reviewer for Alzheimer's Association International Research Program  
2010 - 2012 *Ad hoc* reviewer for Florida Department of Health Research Program  
12/2010 *Ad hoc* reviewer for Health Research Board, Ireland  
06/2009 *Ad hoc* reviewer for NIH RC1 Panel (ZRG1 OBT A58)  
05/2009 *Ad hoc* reviewer for DoD CDMRP BCRP Predoctoral and Postdoctoral Training Award Panel  
01/2009 *Ad hoc* reviewer for DoD CDMRP BCRP Idea and Postdoctoral Award Panel  
07/2008 *Ad hoc* reviewer for DoD CDMRP BCRP Idea Award Panel

## **Manuscript Review**

### *Editorial Board:*

2018-2019	Guest editor, the Special Issue "mTOR Signaling in Metabolism and Cancer" for the journal "Cells"
2018-Present	Editorial Board of <i>Current Analysis in Oncology</i>
2018-Present	Editorial Board of <i>Universal Journal of Oncology</i>
2018-Present	Editorial Board of <i>Journal of Oncology and Cancer Research</i>
2018-Present	Editorial Board of <i>Journal of Research Notes</i>
2018-Present	Editorial Board of <i>LOJ Pharmacology &amp; Clinical Research</i>
2018-Present	Editorial Board of <i>Journal of Nutritional Therapeutics</i>
2018-Present	Editorial Board of <i>Cells</i>
2016-Present	Editorial Board of <i>Signal Transduction and Targeted Therapy</i>
2015-Present	Editorial Board of <i>Reactive Oxygen Species</i>
2014-Present	Editorial Board of <i>Anti-Cancer Agents in Medicinal Chemistry</i>
2014-Present	Editorial Board of <i>Frontiers in Oncology-Surgical Oncology</i>
2013-Present	<u>Advisory Editorial Board</u> of <i>American Journal of Cancer Biology</i>
2013-Present	<u>Advisory Editorial Board</u> of <i>American Journal of Cancer Therapy and Pharmacology</i>
2012-2017	Editorial Board of <i>Sarcoma</i>
2012	Guest editor, the special issue "Natural Product Inhibition of PI3K/Akt/mTOR Signaling", for the journal "Anti-Cancer Agents in Medicinal Chemistry"
2012-2016:	Editorial Board of <i>Biochemistry &amp; Physiology: Open Access</i>
2011-2017:	Editorial Board of <i>Dataset Papers in Science: Cell Biology</i>
2011-Present	<u>Senior Editorial Board</u> of <i>International Journal of Biochemistry and Molecular Biology</i>
2011-Present:	Editorial Board of <i>CellBio</i> (previously named <i>Open Journal of Cell Biology</i> )
2011-2018	Editorial Board of <i>World Journal of Translational Medicine</i>
2011-2019	Editorial Board of <i>World Journal of Medical Genetics</i>
2011-2017	Editorial Board of <i>World Journal of Biological Chemistry</i>
2010	Guest editor, the special issue "Novel proteins as regulators of cell motility and invasion", for the journal "Current Protein and Peptide Science"
2010	Editor, the book "Metals and Neurodegeneration", ISBN# 978-81-308-0396-8, Research Signpost, Kerala, India

### *Ad hoc reviewer:*

Acta Biochimica et Biophysica Sinica  
Acta Pharmaceutica Sinica B  
Anti-Cancer Agents in Medicinal Chemistry  
Archives of Toxicology  
Autophagy  
Biochemical and Biophysical Research Communications  
Biochemical Pharmacology  
BBA-Biomembranes  
BBA-General Subjects  
BBA-Molecular and Cell Biology of Lipids  
Biochimie  
Biofactors

BMC Cancer  
Brain Research  
Breast Cancer Research  
Breast Cancer Research and Treatment  
British Journal of Cancer  
British Journal of Nutrition  
Cancer Biology & Therapy  
Cancer Chemotherapy and Pharmacology  
Cancer Letters  
Cancer Medicine  
Cancer Research  
Carcinogenesis  
Cardiology  
Cell Biology and Toxicology  
Cell Cycle  
Cell Death and Differentiation  
Cell Death and Disease  
Cell Discovery  
Cell Proliferation  
Cellular & Molecular Immunology  
Cellular & Molecular Neurobiology  
Chemical Research in Toxicology  
Clinical Cancer Research  
Critical Reviews in Clinical Laboratory Sciences  
Current Cancer Drug Targets  
Current Drug Discovery Technologies  
Current Drug Targets  
Current Enzyme Inhibition  
Current Medicinal Chemistry  
Current Pharmaceutical Design  
Current Protein & Peptide Science  
Drug Discovery Today  
eBioMedicine  
Environmental Pollution  
European Journal of Nutrition  
European Journal of Pharmacology  
Experimental Cell Research  
Expert Opinion on Investigational Drugs  
FASEB J  
FEBS Letters  
Food and Chemical Toxicology  
Frontiers in Pharmacology  
Genetics and Molecular Biology  
Heliyon  
Immunology Letters  
Indian Journal of Medical Research  
Integrative Cancer Therapies  
International Immunopharmacology  
International Journal of Biochemistry & Cell Biology  
International Journal of Cancer  
International Journal of Gynecological Cancer

International Journal of Molecular Sciences  
International Journal of Oncology  
Investigational New Drugs  
iScience  
Japanese Journal of Physiology  
Journal of Agricultural Food and Chemistry  
Journal of Biological Chemistry  
Journal of Cancer  
Journal of Cellular Biochemistry  
Journal of Cellular and Molecular Medicine  
Journal of Experimental & Clinical Cancer Research  
Journal of Pharmacology and Experimental Therapeutics  
Journal of Proteome Research  
Leukemia and Lymphoma  
Life Sciences  
Methods in Enzymology  
Microbial Pathogenesis  
Mini Reviews in Medicinal Chemistry  
Molecular Cancer Research  
Molecular Cancer Therapeutics  
Molecular Nutrition and Food Research  
Molecular Oncology  
Molecular Pharmacology  
Natural Product Reports  
Nature Communications  
Nucleosides, Nucleotides and Nucleic Acids  
Neurochemical Research  
Neuroscience  
Neuroscience Letters  
Neurotoxicity Research  
Oncogene  
Oncotarget  
Open Biology  
Oxidative Medicine and Cellular Longevity  
Pharmaceutical Research  
Pharmacological Research  
Physiological Research  
Phytomedicine  
PLoS ONE  
Redox Biology  
RNA Biology  
Sarcoma  
Scientific Reports  
Science Signaling  
Targeted Proteins Database  
Theranostics  
Toxicology and Applied Pharmacology  
Tumor Biology  
Tumori  
Vaccine  
World Journal of Biological Chemistry

World Journal of Medical Genetics

**Evaluation for faculty promotion and tenure**

2015 University of South Alabama Mitchell Cancer Institute  
2012 Wayne State University School of Medicine

**Evaluation for thesis**

2016 University of Western Australia

**Judge for Scientific Meetings**

2018 Review abstracts submitted for the 25th Annual Meeting of the Society for Redox Biology and Medicine (SfRBM) (Chicago, IL, November 14-17, 2018)

**PUBLICATIONS**

- **Peer reviewed original research articles** (\*Corresponding author, #Equal contribution)
- 1. Yu S, Wang S, Wang W, Huang S, Wei Z, Ding Y, **Huang S**, Wang A, Chen W, Lu Y (2019) Radix et Rhizoma Ginseng chemoprevents both initiation and promotion of cutaneous carcinoma by enhancing cell-mediated immunity and maintaining redox homeostasis. *J Ginseng Res.* 2019 May 21. [Epub ahead of print].
- 2. Sohretoglu D#, Zhang C#, Luo J, **Huang S\*** (2019) ReishiMax inhibits mTORC1/2 by activating AMPK and inhibiting IGFR/PI3K/Rheb in tumor cells. *Signal Transduct Target Ther.* 4:21.
- 3. Luo J, Zhang Y, He H, Liu Q, **Huang S\***, Guo X\* (2019) Artesunate enhances the immune response of rabies vaccine as an adjuvant. *Vaccine.* 2019 Sep 30. [Epub ahead of print]. PMID:31582270
- 4. Chamcheu JC, Esnault S, Adhami VM, Noll AL, Banang-Mbeumi S, Roy T, Singh SS, **Huang S**, Kousoulas KG, Mukhtar H (2019) Fisetin, a 3,7,3',4'-Tetrahydroxyflavone Inhibits the PI3K/Akt/mTOR and MAPK Pathways and Ameliorates Psoriasis Pathology in 2D and 3D Organotypic Human Inflammatory Skin Models. *Cells.* 8. pii: E1089. PMID:31540162
- 5. Pan Y, Wang W, Huang S, Ni W, Wei Z, Cao Y, Yu S, Jia Q, Wu Y, Chai C, Zheng Q, Zhang L, Wang A, Sun Z, **Huang S**, Wang S, Chen W, Lu Y (2019) Beta-elemene inhibits breast cancer metastasis through blocking pyruvate kinase M2 dimerization and nuclear translocation. *J Cell Mol Med.* 23:6846-6858. PMID:31343107
- 6. Dong X, Zhao R, Li Y, Yu Q, Chen X, Hu X, Ma J, Chen X, **Huang S\***, Chen L\* (2019) Maduramicin inactivation of Akt impairs autophagic flux leading to accumulated autophagosomes-dependent apoptosis in skeletal myoblast cells. *Int J Biochem Cell Biol.* 2019 Jul 17. [Epub ahead of print]. PMID:31325628
- 7. Chen X, Zhang Y, Jiang S\*, **Huang S\***. Maduramicin induces apoptosis through ROS-PP5-JNK pathway in skeletal myoblast cells and muscle tissue. *Toxicology.* 2019 Jun 20. [Epub ahead of print]. PMID:31229567
- 8. Xiong Y, Li L, Zhang L, Cui Y, Wu C, Li H, Chen K, Yang Q, Xiang R, Hu Y, **Huang S**, Wei Y, Yang S (2019) The bromodomain protein BRD4 positively regulates necroptosis via modulating MLKL expression. *Cell Death Differ.* 26:1929-1941. PMID: 30644439
- 9. Wang X, Yang J, Guo G, Feng R, Chen K, Liao Y, Zhang L, Sun L, **Huang S**, Chen JL (2019) Novel lncRNA-IUR suppresses Bcr-Abl-induced tumorigenesis through regulation of STAT5-CD71 pathway. *Mol Cancer.* 18:84. PMID:30961617

10. Chen W, Pan Y, Wang S, Liu Y, Chen G, Zhou L, Zhang C, Ni W, Wang A, Lu Y\*, **Huang S\*** (2019) Correction to: Cryptotanshinone activates AMPK-TSC2 axis leading to inhibition of mTORC1 signaling in cancer cells. *BMC Cancer*. 19:257. PMID:30902078
11. Chen X, Li Y, Feng M, Hu X, Zhang H, Zhnag R, Dong X, Liu C, Zhang Z, Jiang S, **Huang S\***, Chen L\* (2019) Maduramicin induces cardiac muscle cell death by ROS-dependent PTEN/Akt-Erk1/2 signaling pathway. *J Cell Physiol*. 234:10964-10976. PMID: 30511398
12. Zhang H#, Dong X#, Zhao R, Zhang R, Xu C, Wang X, Liu C, Hu X, **Huang S\***, Chen L\* (2019) Cadmium results in accumulation of autophagosomes-dependent apoptosis through activating Akt-impaired autophagic flux in neuronal cells. *Cell Signal*. 55:26-39. PMID: 30578829
13. Dong X#, Qin J#, Ma J, Zeng Q, Zhang H, Zhang R, Liu C, Xu C, Zhang S, **Huang S\***, Chen L\* (2019) BAFF inhibits autophagy promoting cell proliferation and survival by activating Ca<sup>2+</sup>-CaMKII-dependent Akt/mTOR signaling pathway in normal and neoplastic B-lymphoid cells. *Cell Signal*. 53: 68-79. PMID: 30244168; PMCID: PMC6289808.
14. Chen X, Hu X, Li Y, Zhu C, Dong X, Zhang R, Ma J, **Huang S\***, Chen L\* (2019) Resveratrol inhibits Erk1/2-mediated adhesion of cancer cells via activating PP2A/PTEN signaling network. *J Cell Physiol*. 234:2822–2836. PMID: 30066962; PMCID: PMC6275111.
15. Chen X, Jiang S, **Huang S\*** (2019) Corrigendum to "Maduramicin-activated protein phosphatase 2A results in extracellular signal-regulated kinase 1/2 inhibition, leading to cytotoxicity in myocardial H9c2 cells" [*Toxicol. Lett.* 284 (2018) 96-102]. *Toxicol Lett*. 300:118. PMID: 30213496
16. Feng R, Wang X, Li J, Chen K, Guo G, Liao Y, Sun L, **Huang S**, Chen JL (2018) Interaction of Abl tyrosine kinases with SOCS3 impairs its suppressor function in tumorigenesis. *Neoplasia*. 20:1095-1105. PMID: 30236924; PMCID: PMC6143717
17. Shen T, Zhou H, Shang C, Luo Y, Wu Y, **Huang S\*** (2018) Ciclopirox activates ATR-Chk1 signaling pathway leading to Cdc25A protein degradation. *Genes Cancer*. 9:39-52. PMID: 29725502; PMCID: PMC5931253
18. Chen X, Chen L, Jiang S\*, **Huang S\*** (2018) Maduramicin induces apoptosis and necrosis, and blocks autophagic flux in myocardial H9c2 cells. *J Appl Toxicol*. 38:366-375. PMID: 29047155; PMCID: PMC5783728.
19. Zeng Q#, Qin S#, Zhang H, Liu B, Qin J, Wang X, Zhang R, Liu C, Dong X, Zhang S, **Huang S\***, Chen L\* (2018) Rapamycin Attenuates BAFF-extended Proliferation and Survival via Disruption of mTORC1/2 Signaling in Normal and Neoplastic B-lymphoid Cells. *J Cell Physiol*. 233:516-529. PMID: 28300280; PMCID: PMC5600640
20. Barzegar M#, Ma S#, Zhang C, Chen X, Gu Y, Shang C, Jiang X, Yang J, Nathan CA, Yang S\*, **Huang S\*** (2017) SKLB188 inhibits the growth of head and neck squamous cell carcinoma by suppressing EGFR signaling. *Br J Cancer*. 117:1154-1163. PMID: 28873083; PMCID: PMC5674107
21. Shen T, Shang C, Zhou H, Luo Y, Barzegar M, Odaka Y, Wu Y, **Huang S\*** (2017) Ciclopirox inhibits cancer cell proliferation by suppression of Cdc25A. *Genes Cancer*. 8:505-516. PMID: 28680535; PMCID: PMC5489648
22. Zhang R#, Zhu Y#, Dong X, Liu B, Zhang N, Wang X, Liu L, Xu C, **Huang S\***, Chen L\* (2017) Celastrol Attenuates Cadmium-Induced Neuronal Apoptosis via Inhibiting Ca<sup>2+</sup>-CaMKII-Dependent Akt/mTOR Pathway. *J Cell Physiol*. 232:2145-2157. PMID: 27891586
23. Xu C#, Wang X#, Gu C, Zhang H, Zhang R, Dong X, Liu C, Hu X, Ji X, **Huang S\***, Chen L\* (2017) Celastrol ameliorates Cd-induced neuronal apoptosis by targeting NOX2-derived ROS-dependent PP5-JNK signaling pathway. *J Neurochem*. 141:48-62. PMID: 28129433; PMCID: PMC5364082
24. Zhang R#, Zhang N#, Zhang H, Liu C, Dong X, Wang X, Zhu Y, Xu C, Liu L, Yang S, **Huang S\***, Chen L\* (2017) Celastrol prevents cadmium-induced neuronal cell death by blocking mitochondrial ROS inactivation of AMPK and activation of mTOR pathway. *Br J Pharmacol*. 174:82-100. PMID: 27764525; PMCID: PMC5341486

25. Zhou H<sup>#</sup>, Shang C<sup>#</sup>, Wang M, Shen T, Kong L, Yu C, Ye Z, Luo Y, Liu L, Li Y\*, **Huang S\*** (2016) Ciclopirox olamine inhibits mTORC1 signaling by activation of AMPK. *Biochem Pharmacol.* 116:39-50. PMID: 27396756; PMCID: PMC5003681
26. Gui L, Zeng Q, Xu Z, Zhang H, Qin S, Liu C, Xu C, Qian Z, Zhang S, **Huang S**, Chen L (2016) IL-2, IL-4, IFN- $\gamma$  or TNF- $\alpha$  enhances BAFF-stimulated cell viability and survival by activating Erk1/2 and S6K1 pathways in neoplastic B-lymphoid cells. *Cytokine.* 84:37-46. PMID: 27235588; PMCID: PMC4905560
27. Chen K, Yang J, Li J, Wang X, Chen Y, **Huang S**, Chen J-L (2016) eIF4B is a convergent target and critical effector of oncogenic Pim and PI3K/Akt/mTOR signaling pathways in Abl transformants. *Oncotarget.* 7:10073-10089. PMID: 26848623; PMCID: PMC4891105
28. Liu C<sup>#</sup>, Ye Y<sup>#</sup>, Zhou Q, Zhang R, Zhang H, Liu W, Xu C, Liu L, **Huang S\***, Chen L\* (2016) Crosstalk between Ca<sup>2+</sup> signaling and mitochondrial H<sub>2</sub>O<sub>2</sub> is required for rotenone inhibition of mTOR signaling pathway leading to neuronal apoptosis. *Oncotarget.* 7:7534-7549. PMID: 26859572; PMCID: PMC4884936
29. Xu C<sup>#</sup>, Wang X<sup>#</sup>, Zhu Y<sup>#</sup>, Dong X, Liu C, Zhang H, Liu L, **Huang S\***, Chen L\* (2016) Rapamycin ameliorates cadmium-induced activation of MAPK pathway and neuronal apoptosis by preventing mitochondrial ROS inactivation of PP2A. *Neuropharmacology.* 105:270-284. PMID: 26805420; PMCID: PMC4873321
30. Zeng X, Wang S, Chi X, Chen S, **Huang S**, Lin Q, Xie B, Chen J-L (2016) Infection of goats with goatpox virus triggers host antiviral defense through activation of innate immune signaling. *Res Vet Sci.* 104:40-49. PMID: 26850535
31. Gu Y, Barzegar M, Chen X, Wu Y, Shang C, Mahdavian E, Salvatore BA, Jiang S\*, **Huang S\*** (2015) Fusarochromanone-induced reactive oxygen species results in activation of JNK cascade and cell death by inhibiting protein phosphatases 2A and 5. *Oncotarget.* 6:42322-42333. PMID: 26517353; PMCID: PMC4747228.
32. Li F, Chen Y, Zhang Z, Ouyang J, Wang Y, Yan R, **Huang S**, Guo G, Chen J-L (2015) Robust Expression of Vault RNAs Induced by Influenza A Virus Plays a Critical Role in Suppression of PKR-Mediated Innate Immunity. *Nucleic Acids Res.* 43:10321-10337. PMID: 26490959; PMCID: PMC4666359
33. Qian W, Tao L, Wang Y, Zhang F, Li M, **Huang S**, Wang A, Chen W, Yue Z, Chen L, Liu Y, Huang C, Zhang L, Li Y, Lu Y (2015) Downregulation of integrins in cancer cells and anti-platelet properties are involved in holothurian glycosaminoglycan-mediated disruption of the interaction of cancer cells and platelets in hematogenous metastasis. *J Vasc Res.* 52:197-209. PMID: 26488158
34. Liu C<sup>#</sup>, Zhang R<sup>#</sup>, Sun C, Zhang H, Xu C, Liu W, Gao W, **Huang S\***, Chen L\* (2015) Resveratrol prevents cadmium activation of Erk1/2 and JNK pathways from neuronal cell death via protein phosphatases 2A and 5. *J Neurochem.* 135:466-478. PMID: 26146868
35. Zeng Q, Zhang H, Qin J, Xu Z, Gui L, Liu B, Liu C, Xu C, Liu W, Zhang S, **Huang S\***, Chen L\* (2015) Rapamycin inhibits BAFF-stimulated cell proliferation and survival by suppressing mTOR-mediated PP2A-Erk1/2 signaling pathway in normal and neoplastic B-lymphoid cells. *Cell Mol Life Sci.* 72:4867-4884. PMID: 26118661
36. Xu C<sup>#</sup>, Zhang H<sup>#</sup>, Liu C, Zhu Y, Wang X, Gao W, **Huang S\***, Chen L\* (2015) Rapamycin inhibits Erk1/2-mediated neuronal apoptosis caused by cadmium. *Oncotarget.* 6:21452-21467. PMID: 26046303; PMCID: PMC4673278
37. Xu C<sup>#</sup>, Liu C<sup>#</sup>, Liu L, Zhang R, Zhang H, Chen S, Luo Y, Chen L\*, **Huang S\*** (2015) Rapamycin prevents cadmium-induced neuronal cell death via targeting both mTORC1 and mTORC2 pathways. *Neuropharmacology.* 97:35-45. PMID: 26002629; PMCID: PMC4537379
38. Chen L\*, Xu B, Liu L, Liu C, Luo Y, Chen X, Barzegar M, Chung J, **Huang S\*** (2015) Both mTORC1 and mTORC2 are involved in the regulation of cell adhesion. *Oncotarget.* 6:7136-7150. PMID: 25762619; PMCID: PMC4466674

39. Guo G, Kang Q, Zhu X, Chen Q, Wang X, Chen Y, Ouyang J, Zhang L, Tan H, Chen R, **Huang S**, Chen JL (2015) A long noncoding RNA critically regulates Bcr-Abl-mediated cellular transformation by acting as a competitive endogenous RNA. *Oncogene*. 34:1768-1779. PMID: 24837367
40. Luo Y<sup>#</sup>, Liu L<sup>#</sup>, Wu Y, Singh K, Su B, Zhang N, Liu X, Shen Y, **Huang S\*** (2015) Rapamycin inhibits mSin1 phosphorylation independently of mTORC1 and mTORC2. *Oncotarget*. 6:4286-4298. PMID: 25738366; PMCID: PMC4414190
41. Chen Z, Luo G, Wang Q, Wang S, Chi X, Huang Y, Wei H, Wu B, **Huang S**, Chen J (2015) Muscovy duck reovirus infection rapidly activates host innate immune signaling and induces an effective antiviral immune response involving critical interferons. *Vet Microbiol*. 175:232-243. PMID: 25554243
42. Zhou Q<sup>#</sup>, Liu C<sup>#</sup>, Liu W<sup>#</sup>, Zhang H, Zhang R, Liu J, Zhang J, Xu C, Liu L, **Huang S**<sup>§</sup>, Chen L\*<sup>§</sup> (2015) Rotenone induction of hydrogen peroxide inhibits mTOR-mediated S6K and 4E-BP1/eIF4E pathways, leading to neuronal apoptosis. *Toxicol Sci*. 143:81-96. PMID: 25304210; PMCID: PMC4274383 (<sup>§</sup>Equal contribution as corresponding author. Per the journal style, only one corresponding author is shown).
43. Chen X, Gu Y, Singh K, Shang C, Barzegar M, Jiang S\*, **Huang S\*** (2014) Maduramicin inhibits proliferation and induces apoptosis in myoblast cells. *PLoS One*. 9:e115652. PMID: 25531367; PMCID: PMC4274093
44. Gu Y, Chen X, Shang C, Singh K, Barzegar M, Mahdavian E, Salvatore B, Jiang S\*, **Huang S\*** (2014) Fusarochromanone induces G1 cell cycle arrest and apoptosis in COS7 and HEK293 cells. *PLoS One*. 9:e112641. PMID: 25384025; PMCID: PMC4226581
45. Chen Q, Chen K, Guo G, Li F, Chen C, Wang S, Nalepa G, **Huang S**, Chen JL (2014) A critical role of CDKN3 in Bcr-Abl-mediated tumorigenesis. *PLoS One*. 9:e111611. PMID: 25360622; PMCID: PMC4216094
46. Zhou H, Shen T, Shang C, Luo Y, Liu L, Yan J, Li Y\*, **Huang S\*** (2014) Ciclopirox induces autophagy through reactive oxygen species-mediated activation of JNK signaling pathway. *Oncotarget*. 5:10140-10150. PMID: 25294812; PMCID: PMC4259411
47. Mahdavian E, Palyok P, Adelmund S, Williams-Hart T, Furmanski BD, Kim YJ, Gu Y, Barzegar M, Wu Y, Bhinge KN, Kolluru GK, Quick Q, Liu YY, Kevil CG, Salvatore BA, **Huang S**, Clifford JL (2014) Biological activities of fusarochromanone: a potent anti-cancer agent. *BMC Res Notes*. 7:601. PMID: 25187308; PMCID: PMC4168212
48. Wang S, Chi X, Wei H, Chen Y, Chen Z, **Huang S**, Chen JL (2014) Influenza A virus-induced degradation of eIF4B contributes to the viral replication by suppressing IFITM3 protein expression. *J Virol*. 88:8375-8385. PMID: 24829357; PMCID: PMC4135930
49. Xu Y<sup>#</sup>, Liu C<sup>#</sup>, Chen S, Ye Y, Guo M, Ren Q, Liu L, Zhang H, Xu C, Zhou Q, **Huang S\***, Chen L\* (2014) Activation of AMPK and inactivation of Akt result in suppression of mTOR-mediated S6K1 and 4E-BP1 pathways leading to neuronal cell death in in vitro models of Parkinson's disease. *Cell Signal*. 26:1680-1689. PMID: 24726895; PMCID: PMC4039615
50. Fan FT, Shen CS, Tao L, Tian C, Liu ZG, Zhu ZJ, Liu YP, Pei CS, Wu HY, Zhang L, Wang AY, Zheng SZ, **Huang SL**, Lu Y (2014) PKM2 regulates hepatocellular carcinoma cell epithelial-mesenchymal transition and migration upon EGFR activation. *Asian Pac J Cancer Prev*. 15:1961-1970. PMID: 24716919
51. Liang D<sup>#</sup>, Zeng Q<sup>#</sup>, Xu Z<sup>#</sup>, Zhang H, Gui L, Xu C, Chen S, Zhang S, **Huang S\***, Chen L\* (2014) BAFF activates Erk1/2 promoting cell proliferation and survival by Ca<sup>2+</sup>-CaMKII-dependent inhibition of PP2A in normal and neoplastic B-lymphoid cells. *Biochem Pharmacol*. 87:332-343. PMID: 24269630; PMCID: PMC3896221
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• **Invited journal reviews/commentaries and book chapters**

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