

**Suh-Hang Hank Juo (卓夙航), M.D., Ph.D.**

**ADDRESS:**

中國醫藥大學附設醫院 醫學研究部  
中國醫藥大學 新藥開發研究所 台中市北區學士路 91 號

Institute of New Drug Development, China Medical University, 91 Hsueh-Shih Road, Taichung 40402, Taiwan.

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**PRESENT POSITION**

Professor, Graduate Institute of Biomedical Research, China Medical University  
Director, Center for myopia and eye disease, Department of Medical Research, China Medical University Hospital

**EDUCATION**

Ph.D. in Human Genetics/Genetic Epidemiology Program September 1994 - May 1997  
Johns Hopkins School of Hygiene and Public Health, Baltimore, MD  
Thesis: Genetic Analysis of apolipoprotein A-I, HDL<sub>3</sub>-C, and hyperapoB.  
Research Assistant Scholarship

Master of Science in Cardiovascular Epidemiology June 1994  
Harvard School of Public Health, Boston, MA

Medical Doctor June 1989  
Kaohsiung Medical University (KMU), Kaohsiung city, Taiwan

**ACADEMIC APPOINTMENTS:**

Chair /科主任 2005-2016  
Department of Genome Medicine (基因體醫學科)  
Kaohsiung Medical University (高雄醫學大學), Kaohsiung, Taiwan

Head/主任 2011- 2013  
Genomics and Proteomics Lab, Department of Medical Research (醫學研究部)  
Kaohsiung Medical University Hospital (高雄醫學大學 附設醫院), Kaohsiung, Taiwan

教授 2008-date  
Kaohsiung Medical University (高雄醫學大學)

Adjunct Associate Professor/兼任副教授 2006 – Aug 2010  
Department of Neurology, Columbia University, New York City, New York

Associate Professor/副教授 2005 - 2008  
Kaohsiung Medical University (高雄醫學大學)

|   |                         |
|---|-------------------------|
| Head/主任, Genetic Epidemiology/Pharmacogenetics<br>Columbia University Genome Center (College of Physicians and Surgeons) and<br>Department of Epidemiology (in genomics), New York City, New York | 2001 - 2006             |
| Assistant Professor/助理教授<br>Columbia University Genome Center (USA)   | Nov. 1999 – 2006        |
| Contracted investigator/約聘研究學者<br>NIH/ National Human Genetic Research Institute (USA)  | 1999 - 2004             |
| Post-Doctoral Fellow in statistic genetics<br>NIH/National Human Genetic Research Institute, Bethesda, MD (USA)<br>Rockefeller University, New York, NY (USA)                                     | June 1997- October 1999 |

**Ad Hoc REVIEWR**

|  |   |
|--|---|
| <i>American Journal of Human Genetics</i>                    | <i>Journal of Clinical Investigation</i>                |
| <i>European Journal of Human Genetics</i>                    | <i>Circulation</i>                                      |
| <i>American Journal Medical Genetics</i>                     | <i>Arteriosclerosis Thrombosis and Vascular Biology</i> |
| <i>Genetic Epidemiology</i>                                  | <i>Stroke</i>   |
| <i>Human Heredity</i>  | <i>Atherosclerosis</i>                                  |
| <i>Human Mutation</i>  | <i>Molecular Carcinogenesis</i>                         |
| <i>DNA and Cell Biology</i>                                  | <i>Lancet Neurology</i>                                 |
| <i>BMC medical genetics</i>                                  | <i>Cancer Letters</i>                                   |
| <i>Investigative ophthalmology &amp; visual science</i>      | <i>International Journal of Cancer</i>                  |
| <i>Clinical and Experimental Pharmacology and Physiology</i> | <i>Gut</i>  |
| <i>Clinical Endocrinology Ophthalmology</i>                  | <i>Journal of investigative medicine</i>                |
| <i>Clinical Chimica Acta</i>                                 |   |

**CERTIFICATION**

|                                     |                |
|-------------------------------------|----------------|
| Board certified neurologist, Taiwan | September 1992 |
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**HONORS:**

|                              |            |
|------------------------------|------------|
| 國家衛生研究 「整合性醫藥衛生研究計畫」獲得補助三次獎座 | 2016.12.22 |
|------------------------------|------------|

**National Innovation Award 生策會「國家新創獎」(2013)**

Title of the work: microRNA in treating ischemic stroke

**OA Genetics Journal**

|                       |           |
|-----------------------|-----------|
| Advisory Board Member | 2013-date |
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**World Journal of Neurology**

|                        |           |
|------------------------|-----------|
| Editorial Board Member | 2013-date |
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**Thyroid Cancer Genetics and Epidemiology Consortium (THYGENE Consortium)**

|                            |             |
|----------------------------|-------------|
| Executive Committee Member | 2008 - 2010 |
|----------------------------|-------------|

**American Heart Association**

|   |                       |
|---|-----------------------|
| Member, Steering Committee Interdisciplinary Working Group<br>Functional Genomics and Translational Biology | July 2007 - June 2009 |
|---|-----------------------|

### **International Health Professional of the Year 2005**

The International Biographical Center of Cambridge, England

### **Vice President of Chinese Student Association**

Johns Hopkins Medical Institute, Baltimore, MD

August 1995 - July 1996

### **Top Three Neurologists in the National Neurology Board Examination**

Taipei, Taiwan

September 1992

### **Chief Coordinator of Medical Service Corps**

KMU, Kaohsiung, Taiwan

Summer 1987

### **Vice President of Traditional Chinese Medicine Association**

KMU, Kaohsiung, Taiwan

June 1983 - May 1984

### **SCI PUBLICATIONS (Only SCI papers are listed)**

#### **179 篇 SCI 論文 和 >30 個專利**

Total citation times > 3800; H-index: 31

17 篇論文 IF>10; 36 篇論文 IF 介於 5-10

#### **[2017]**

1. Hsu PY, Lin WY, Lin RT, **Juo SH\***. MicroRNA let-7g inhibits angiotensin II-induced endothelial senescence via the LOX-1-independent mechanism. *Int J Mol Med.* (accepted) 2017 (IF=2.341)
2. Chen CK, Hsu PY, Wang TM, Miao ZF, Lin RT, **Juo SH\***. TRPV4 activation contributes functional recovery from ischemic stroke via angiogenesis and neurogenesis. *Molecular Neurobiology* 2017 Jun 9. doi: 10.1007/s12035-017-0625-0. [Epub ahead of print] (IF=6.19) **Selected to be the cover page figure.**
3. Wang YS, His E, Cheng HY, Hsu SH, Liao YC, **Juo SH\***. Let-7g suppresses both canonical and non-canonical NF-kB pathways in macrophages leading to anti-atherosclerosis. *Oncotarget.* May 23. doi: 10.18632/oncotarget.18197. [Epub ahead of print] 2017 (IF: 5.168)
4. Wang TM, Chen KC, Hsu PY, Lin HF, Wang YS, Chen CY, Liao YC, **Juo SH\***. microRNA let-7g suppresses PDGF-induced conversion of vascular smooth muscle cell into the synthetic phenotype. *J Cell Mol Med.* (IF: 4.499) (accepted) 2017
5. Lin HF, Hsi E, Huang LC, Liao YC, **Juo SH**, Lin RT. Methylation in the matrix metalloproteinase-2 gene is associated with cerebral ischemic stroke. *J Investig Med.* 2017 Apr;65(4):794-799. (IF=1.47)
6. Hsu PY, Hsi E, Wang TM, Lin RT, Liao YC, **Juo SH\***. MicroRNA let-7g possesses a therapeutic potential for peripheral artery disease. *J Cell Mol Med.* 2017 Mar;21(3):519-529. (IF: 4.499)

#### **[2016]**

7. Wu TY, Chang FR, Liou JR, Lo IW, Chung TC, Lee LY, Chi CC, Du YC, Wong MH, **Juo SH**, Lee CC, Wu YC. Rapid HPLC Quantification Approach for Detection of Active Constituents in Modern Combinatorial Formula, San-Huang-Xie-Xin-Tang (SHXXT). *Front Pharmacol.* 2016 Oct 20;7:374. (IF: 4.418)
8. Huang CM, Huang MY, Tsai HL, Huang CW, Ma CJ, Yeh YS, **Juo SH**, Huang CJ, Wang JY. An observational study of extending FOLFOX chemotherapy, lengthening the interval between radiotherapy and surgery, and

enhancing pathological complete response rates in rectal cancer patients following preoperative chemoradiotherapy. *Therap Adv Gastroenterol*. 2016 Sep;9(5):702-12. (IF: 3.883)

9. Huang LC, Lin RT, Chen CF, Chen CH, **Juo SH**, Lin HF. Predictors of Carotid Intima-Media Thickness and Plaque Progression in a Chinese Population. *J Atheroscler Thromb*. Aug 1;23(8):940-9, 2016 (IF=2.73)
10. Chao AC, Lee TC, **Juo SH**, Yang DI. Hyperglycemia Increases the Production of Amyloid Beta-Peptide Leading to Decreased Endothelial Tight Junction. *CNS Neurosci Ther*. 2016 Apr;22(4):291-7. 2016 (IF=3.931)
11. Yang IP, Tsai HL, Huang CW, Lu CY, Miao ZF, Chang SF, **Juo SH**, Wang JY. High blood sugar levels significantly impact the prognosis of colorectal cancer patients through down-regulation of microRNA-16 by targeting Myb and VEGFR2. *Oncotarget*. 2016 Feb 25. (IF=6.359) [Epub ahead of print]
12. Chou WW, Huang CF, Yeh ML, Tsai YS, Hsieh MY, Huang CI, Huang JF, Tsai PC, Hsi E, **Juo SH**, Tsai WL, Chuang WL, Yu ML, Dai CY. MicroRNA let-7g cooperates with interferon/ribavirin to repress hepatitis C virus replication. *J Mol Med (Berl)*. 2016 Mar;94(3):311-20 (IF=5.107)
13. Yang IP, Tsai HL, Miao ZF, Huang CW, Kuo CH, Wu JY, Wang WM, **Juo SH**, Wang JY. Development of a Deregulating microRNA Panel for the Detection of Early Relapse in Postoperative Colorectal Cancer Patients *Journal of Translational Medicine*. 2016 Apr 29;14(1):108 (IF =3.93)

#### [2015]

14. Lin HF, Hsi E, Liao YC, Chhor B, Hung J, **Juo SH**, Lin RT. Demethylation of circulating estrogen receptor alpha gene in cerebral ischemic stroke. *PlosOne* Sep 30;10(9):e0139608, 2015 (IF=3.234, Rank =8/56)
15. Lin LY, Liao YC, Lin HF, Lee YS, Lin RT, Hsu CY, **Juo SH\*** Determinants of arterial stiffness progression in a Han-Chinese population in Taiwan: a 4-year longitudinal follow-up. *BMC Cardiovasc Disord*. Sept 16;15(1):100, 2015 (IF=1.878, rank 68/123) \*correspondent author
16. Lee TChi, Xiong Wei, Paddock T, Carrieri D, Chang IF, Chiu HF, Ungerer J, **Juo SH**, Maness PC. Engineered Xylose Utilization Enhances Bio-products Productivity in the Cyanobacterium *Synechocystis* sp. *Metabolic Engineering*. 30:179-89, 2015 IF=8.285
17. Liao YC, Liu PY, Lin HF, Lin WY, Liao JK, **Juo SH\***. Two functional polymorphisms of ROCK2 enhance arterial stiffening through inhibiting its activity and expression. *J Mol Cell Cardiol*. 2015 79:180-186 (IF=5.218, rank=20/125) \*correspondent author
18. Lin HF, Huang LC, Chen CH, Hsu CY, Lin RT, **Juo SH\***. Age and sex differences in the effect of parental stroke on the progression of carotid intima-media thickness. *Atherosclerosis* ;241(1):229-33, 2015 (IF:3.994, rank 11/60) \*correspondent author
19. Liao YC, Wang YS, Hsi E, Chang MH, You YZ, **Juo SH\***. MicroRNA-765 influences arterial stiffness through modulating apelin expression. *Mol Cell Endocrinol* Aug 15;411:11-9. 2015 (IF=4.241) \*correspondent author
20. Chen KC, Liao YC, Wang JY, Lin YC, Chen CH, **Juo SH\***. Oxidized low-density lipoprotein is a common risk factor for cardiovascular diseases and gastroenterological cancers via epigenomical regulation of microRNA-210. *Oncotarget* Sep 15;6(27):24105-18, 2015 (IF = 6.627, rank 20/211) \*correspondent author

#### [2014]

21. Tsai PC, Huang SW, Tsai HL, Ma CJ, Hou MF, Yang IP, Wang YS, **Juo SH**, Wang JY. The Association between DNA Copy Number Aberrations at Chromosome 5q22 and Gastric Cancer. *PLoS One*. Sep 11;9(9):e106624. 2014 (IF=3.234, Rank =8/56)
22. Liao YC, Wang YS, Guo YC, Lin WL, Chang MH, **Juo SH\***. Let-7g improves multiple endothelial functions through targeting TGF-beta and SIRT-1 signaling. *J Am Coll Cardiol* 63(16):1685-94, 2014 (IF=17.759, rank 1/125) \*correspondent author
23. Lin RT, Hsi E, HF Lin, Liao YC, Wang YS, **Juo SH\***. LINE-1 methylation is associated with an increased risk of ischemic stroke in men. *Curr Neurovasc Res* 11(1):4-9, 2014 (IF=2.844, rank=65/193) \*correspondent author
24. Yu ML, Dai CY, Huang CF, Lee JJ, Yeh ML, Yeh SM, Kuo HT, Huang JF, Chang JM, Chen HC, **Juo SH**, Hwang SJ, Chuang WL. High hepatitis B virus surface antigen levels and favorable interleukin 28B genotype predict spontaneous hepatitis C virus clearance in uremic patients. The FORMOSA-LIKE group. *J Hepatol*. 60(2): 253-9, 2014 (IF=9.557; rank 5/74)
25. Hsu PC, Su HM, Lee HC, **Juo SH**, Lin TH, Voon WC, Lai WT, Sheu SH. Coronary collateral circulation in patients of coronary ectasia with significant coronary artery disease. *PLoS One*. 2014 Jan 27;9(1):e87001 (IF=3.534)
26. Hsu PC, Wang CL, Su HM, **Juo SH**, Lin TH, Voon WC, Shin SJ, Lai WT, Sheu SH. The hOGG1 Ser326Cys Gene Polymorphism and the Risk of Coronary Ectasia in the Chinese Population. *Int J Mol Sci*. 2014 Jan 22;15(1):1671-82. (IF=2.339)
27. Ma YS, Yang IP, Tsai HL, Huang CW, **Juo SH**, Wang JY. High glucose modulates antiproliferative effect and cytotoxicity of 5-Fluorouracil in human colon cancer cells. *DNA Cell Biol*. 2014 Feb;33(2):64-72. (IF=1.991)
28. Hsi E, Huang CF, Dai CY, **Juo SH**, Chou WW, Huang JF, Yeh ML, Lin ZY, Chen SC, Wang LY, Chuang WL, Yu ML. Peripheral blood mononuclear cells microRNA predicts treatment outcome of hepatitis C virus genotype 1 infection. *Antiviral Res*. 2014 Mar 15;105C:135-142. (IF=3.434)

## [2013]

29. Tsai HL, Yang IP, Lin CH, Chai CY, Huang YH, Chen CF, Hou MF, Kuo CH, **Juo SH**, Wang JY. Predictive value of vascular endothelial growth factor overexpression in early relapse of colorectal cancer patients after curative resection. *Int J Colorectal Dis*.28(3):415-24, 2013 (I.F.= 2.645)
30. Hsu PC, **Juo SH**, Su HM, Tsai WC, Voon WC, Lai WT, Sheu SH, Lin TH. Predictor of Poor Coronary Collaterals in Elderly Population with Significant Coronary Artery Disease. *Am J Med Sci*. 346(4):269-272, 2013
31. Huang CF, Yu ML, Kao JH, Tseng TC, Yeh ML, Huang JF, Dai CY, Lin ZY, Chen SC, Wang LY, **Juo SH**, Chuang WL, Liu CH. Profound week 4 interferon responsiveness is mandatory for hepatitis C genotype 1 patients with unfavorable IL-28B genotype. *J Clin Virol*. 56(4):293-8, 2013.
32. Tsai EM, Wang YS, Lin CS, Lin WY, Hsi E, Wu MT, **Juo SH\***. A microRNA-520 mirSNP at the MMP2 gene influences susceptibility to endometriosis in Chinese women. *J Hum Genet*. 58(4):202-9, 2013 (IF=2.570 rank 77/158) \*correspondent author
33. Liao YC, Lin HF, Guo YC, Chen CH, Huang ZZ, **Juo SH\*** and Ruey-Tay Lin\*. Lack of association between a functional variant of the BRCA-1 related associated protein (BRAP) gene and ischemic stroke. *BMC Med Genet*. Jan 28;14:17, 2013 (IF= 2.328, 96/158) \*correspondent author
34. Tsai HL, Yeh YS, Chang YT, Yang IP, Lin CH, Kuo CH, **Juo SH**, Wang JY. Co-existence of cyclin D1 and vascular endothelial growth factor protein expression is a poor prognostic factor for UICC stage I-III colorectal

- cancer patients after curative resection. *J Surg Oncol.* 107(2):148-54, 2013 (IF: 2.10; rank=56/198)
35. Liu ME, Liao YC, Lin RT, Wang YS, Hsi E, Lin HF, Chen KC, **Juo SH\***. A functional polymorphism of PON1 interferes with microRNA binding to increase the risk of ischemic stroke and carotid atherosclerosis. *Atherosclerosis.* 228(1):161-7, 2013 (IF:3.794, rank=13/67) \*correspondent author
  36. Huang CF, Yeh ML, Hsieh MH, Hsieh MY, Lin ZY, Chen SC, Wang LY, Huang JF, **Juo SH**, Lin YC, Dai CY, Chuang WL, Yu ML. Clinical utility of host genetic IL-28B variants in hepatitis C virus genotype 1 Asian patients retreated with pegylated interferon plus ribavirin. *J Gastroenterol Hepatol.* 28(9):1515-20, 2013 (IF=3.504)
  37. Huang CF, Dai CY, Yeh ML, Huang JF, Huang CI, Hsieh MY, Lin ZY, Chen SC, Wang LY, **Juo SH**, Chuang WL, Lin YC, Yu ML. Virological predictors of response to retreatment in hepatitis C genotype 2 infected patients. *PLoS One.* 2013;8(3):e58882
  38. Hsi E, Chen KC, Chang WS, Yu ML, Liang CL\*, **Juo SH\***. A Functional Polymorphism at the FGF10 Gene Is Associated with Extreme Myopia. *Invest Ophthalmol Vis Sci.* 54(5):3265-71, 2013. (IF = 3.466, rank=5/55) \*correspondent author
  39. Tsai PC, Liao YC, Wang YS, Lin HF, Lin RT\*, **Juo SH\***. Serum microRNA-21 and microRNA-221 as potential biomarkers for cerebrovascular disease. *J Vasc Res.* 50:346-354, 2013 (IF=2.651) \*correspondent author
  40. Chou WW, Chen KC, Wang YS, Wang JY, Liang CL\*, **Juo SH\***. The role of SIRT1/AKT/ERK pathway in ultraviolet B induced damage on human retinal pigment epithelial cells. *Toxicol in Vitro* 27(6):1728-36, 2013 (IF = 2.775, rank=32/83) \*correspondent author
  41. Chou WW, Wang YT, Liao YC, Chuang SC, Wang SN, **Juo SH\***. Decreased microRNA-221 is associated with high levels of TNF- $\alpha$  in human adipose tissue-derived mesenchymal stem cells from obese woman. *Cell. Physiol. Biochem.* 32(1): 127-137, 2013 (IF = 2.857, rank=51/181) \*correspondent author
  42. Yang IP, Tsai HL, Hou MF, Tsai PC, Huang SW, **Juo SH**, Wang JY. The functional significance of microRNA-29c in patients with colorectal cancer: a potential circulating biomarker for predicting early relapse. *Plos One.* 8(6):e66842, 2013
  43. Tsai HL, Yang IP, Huang CW, Ma CJ, Kuo CH, Lu CY, **Juo SH**, Wang JY. Clinical significance of miRNA-148a for early relapse of stage II and III colorectal cancer patients following curative resection. *Transl Res.* S1931-5244 (13)00219-3, 2013 (IF=5.03)
  44. Wang YT, Tsai PC, Liao YC, Hsu CY, **Juo SH\***. Circulating microRNAs have a sex-specific association with metabolic syndrome. *Journal of Biomedical Science.* 20:72, 2013 (IF=2.46) \*correspondent author
  45. Huang MY, Chen HC, Yang IP, Tsai HL, Wang TN, **Juo SH**, Wang JY. Tumorigenesis and tumor progression related gene expression profiles in colorectal cancer. *Cancer Biomark.* 2013;13(4):269-79.

**[2012]**

46. Lu MY, Huang JF, Liao YC, Bai RK, Trieu RB, Chuang WL, Yu ML, **Juo SH**, Wong LJ. A mitochondrial polymorphism 12361A>G is associated with non-alcoholic fatty liver disease. *Translational Research* 159(1): 58-9, 2012 (IF=2.903, rank = 23/153)
47. Chou WW, Wang YS Wang, Chen KC, Wu JM, Liang CL\*, **Juo SH\*** Tannic acid suppresses ultraviolet B - induced inflammatory signaling and complement factor B in human retinal pigment epithelial cells. *Cellular*

- Immunology \*correspondent author (IF: 2.575, rank=76/134) 273(1) :79-84, 2012
48. Huang CF, Huang JF, Yang JF, Hsieh MY, Lin ZY, Chen SC, Wang LY, **Juo SH**, Chen KC, Chuang WL, Kuo HT, Dai CY, Yu ML. Interleukin-28B genetic variants in identification of hepatitis C virus genotype 1 patients responding to 24 weeks peginterferon/ribavirin. *J Hepatol.* 56(1):34-40, 2012 (IF=9.264, rank=4/74)
  49. Tsai PC, Liao YC, Yang YH, Lin TH, **Juo SH**\*. Additive effect of ANRIL and BRAP polymorphisms on ankle-brachial index in a Taiwanese population. *Circ J.* 76(2):446-52, 2012. \*correspondent author (IF=3.766, rank = 25/117)
  50. Wang YS, Chou WW, Chen KC, Cheng HY, Lin RT\*, **Juo SH**\*. microRNA-152 mediates DNMT1-regulated DNA methylation in the estrogen receptor  $\alpha$  gene. *Plos One* 7(1):e30635, 2012 (IF=4.411, rank=12/86)  
\*correspondent author
  51. Chen KC, Liao YC, Hsieh IC, Wang YS, Hu CY, **Juo SH**\*. OxLDL causes both epigenetic modification and signaling regulation on the microRNA-29b gene: novel mechanisms for cardiovascular diseases. *J Mol Cell Cardiol.* 52(3):587-595, 2012 (IF=5.499, rank= 12/114) \*correspondent author
  52. Huang CF, Yeh ML, Huang JF, Yang JF, Hsieh MY, Lin ZY, Chen SC, Wang LY, Hsi E, **Juo SH**, Dai CY, Chuang WL, Yu ML. Host interleukin-28B genetic variants versus viral kinetics in determining responses to standard-of-care for Asians with hepatitis C genotype 1. *Antiviral Res.* 93(2):239-44, 2012 (IF=4.439, rank= 7/33)
  53. Chang WC, Lee CH, Hirota T, Wang LF, Doi S, Miyatake A, Enomoto T, Tomita K, Sakashita M, Yamada T, Fujieda S, Ebe K, Saeki H, Takeuchi S, Furue M, Chen WC, Chiu YC, Chang WP, Hong CH, Hsi E, **Juo SH**, Yu HS, Nakamura Y, Tamari M. ORA11 genetic polymorphisms associated with the susceptibility of atopic dermatitis in Japanese and Taiwanese populations. *PLoS One.* 2012;7(1):e29387. (IF=4.411, rank=12/86)
  54. **Juo SH**, Liao YC, Lin HF, Chen PL, Lin WY, Lin RT\*. Lack of association between a functional genetic variant of connexin 37 and ischemic stroke in a Taiwanese population. *Thromb Res.* 129(4):e65-69, 2012 (IF= 2.372, Rank=30/68)
  55. Kuo YT, Hsi E, Yang IP, Tsai PC, Wang JY\*, **Juo SH**\*. Computational analysis of mRNA expression profiles identifies microRNA-29a/c as predictor of colorectal cancer early recurrence. *Plos One.* 2012;7(2):e31587 (IF=4.411, rank=12/86) \*correspondent author
  56. Chen CS, Ouyang Pei, Yeh YC, Lai CL, Liu CK, Yen CF, Ko CH, Yen JY, **Juo SH**\*. Apolipoprotein E Polymorphism and Behavioral and Psychological Symptoms of Dementia in Patients with Alzheimer's Disease. *Alzheimer Dis. Assoc. Dis.* 26(2):135-9 (IF=2.875, rank = 53/167) \*correspondent author
  57. Huang JF, Yu ML, Huang CF, **Juo SH**, Dai CY, Hsieh MY, Hou NJ, Yeh ML, Hsieh MH, Yang JF, Lin ZY, Chen SC, Shin SJ, Chuang WL. The outcomes of glucose abnormalities in pre-diabetic chronic hepatitis C patients receiving peginterferon plus ribavirin therapy. *Liver Int.* Jul;32(6):962-9 (IF=3.824, rank = 16/74)
  58. An J, Hsi E, Zhou X, Tao Y, **Juo SH**\*, Liang CL\*. The FGF2 gene in a myopia animal model and human subjects. *Mol Vis.* 18:471-478, 2012 (IF=2.511, rank = 14/56) \*correspondent author
  59. Chen KC, Hsi E, Hu CY, Chou WW, Liang CL\*, **Juo SH**\*. MicroRNA-328 may influence myopia development by mediating the PAX6 gene. *Invest Ophthalmol Vis Sci.* 2012 May 31;53(6):2732-9. (IF = 3.466, rank=5/55)  
\*correspondent author
  60. Yang IP, Tsai HL, Hou MF, Chen KC, Tsai PC, Huang SW, Chou WW, Wang JY, **Juo SH**\*. MicroRNA-93 inhibits tumor growth and early relapse of human colorectal cancer by affecting genes involved in the cell cycle.

Carcinogenesis. (IF=5.702, rank=23/194) 33(8): 1522-1530, 2012 \*correspondent author

61. Wang YS, Wang HY, Liao YC, Tsai PC, Chen KC, Cheng HY, Lin RT, **Juo SH\***. MicroRNA-195 regulates vascular smooth muscle cell phenotypes and prevents neointimal formation. *Cardiovasc Res.* 95(4): 517-26, 2012 (IF=6.064, rank= 13/117) \*correspondent author
62. Lin RT, Chen CH, Tsai PC, Ho BL, **Juo SH**, Lin HF. Sex-specific effect of matrix Metalloproteinase-9 functional promoter polymorphism on carotid artery stiffness. *Atherosclerosis.* 2012 Aug;223(2):416-20. (IF:3.794, rank=13/67)
63. Hsu PC, **Juo SH**, Su HM, Chen SC, Tsai WC, Lai WT, Sheu SH, Lin TH. Predictor of poor coronary collaterals in chronic kidney disease population with significant coronary artery disease. *BMC Nephrol.* 13(1):98, 2012 (IF: 2.176; rank=29/73)
64. Chen KC, **Juo SH\***. microRNAs in atherosclerosis. *Kaohsiung J Med Sci.* 2012 Dec;28(12):631-40. (IF:0.477)
65. Yu ML, Liu CH, Huang CF, Tseng TC, Huang JF, Dai CY, Lin ZY, Chen SC, Wang LY, **Juo SH**, Chuang WL, Kao JH. Revisiting the stopping rule for hepatitis C genotype 1 patients treated with peginterferon plus ribavirin. *PLoS One.* 2012;7(12):e52048. (IF=4.411, rank=12/86)

#### [2011]

66. Chang WC, Chang CC, Wang YS, Weng WT, Yoshioka T, **Juo SH\***. Involvement of EGF receptor in Pb2+-induced cPLA2/COX-2 gene activation and PGE2 production in the vascular smooth muscle cells. *Toxicology* 279(1-3):45-53, 2011 (IF: 3.241; Rank: 19/77) \*correspondent author
67. Yu ML, Huang CF, Huang JF, Chang NC, Yang JF, Lin ZY, Chen SC, Hsieh MY, Wang LY, Chang WY, Li YN, Wu MS, Dai CY, **Juo SH**, Chuang WL. Role of interleukin-28B polymorphisms in the treatment of hepatitis C virus genotype 2 infection in Asian patients. *Hepatology Jan*;53(1):7-13, 2011 (Impact factor: 10.840; Rank: 2/65)
68. Chen CS, Kuo YT, Tsai HY, Li CW, Lee CC, Yen CF, Lin HF, Ko CH, **Juo SH**, Yeh YC, Liu GC. Brain biochemical correlates of the plasma homocysteine level: A proton magnetic resonance spectroscopy study in the elderly. (IF=3.353, rank 37/117) *Am J of Geriatr Psychiatry* 19(7):618-626, 2011
69. Aoki A, Ozaki K, Sato H, Takahashi A, Kubo M, Sakata Y, Onouchi Y, Kawaguchi T, Lin TH, Takano H, Yasutake M, Hsu PC, Ikegawa S, Kamatani N, Tsunoda T, **Juo SH**, Hori M, Komuro I, Mizuno K, Nakamura Y, Tanaka T. SNPs on Chromosome 5p15.3 Associated with Myocardial Infarction in Japanese population. *J Hum Genet* (IF=2.547 rank 76/146) 56:47-51, 2011
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#### Book Chapter

1. **Juo SH\***, Sacco RL. Genetic and molecular epidemiological methods for stroke. *Adv Neurol* 92:13-20, 2003 (impact factor = 1.1) \*correspondent author



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#### **Invited Commentary**

1. **Juo SH.** Genetics of Carotid Artery Distensibility ([www.athero.org](http://www.athero.org)) Feb, 2006

#### **Patent**

1. Using genetic polymorphisms of the BICD1 gene as a method for diagnosing and treating myopia (USA patent No.: 7,906,289 Issue Date: March 15, 2011, 專利權期限自 2011 年 03 月 15 日至 2028 年 07 月 27 日止), (Taiwan ROC patent number I358456, issue date 2012/2/21), (Singapore patent number 200805610-3, issue date: 2013/2/15)
2. IL-8 作為偵測尿石症的生物標記 台灣發明專利 (Taiwan ROC patent number I354789, issue date 2011/12/21)
3. Composition and method for treating atherosclerosis, method for determining if a subject has atherosclerosis and method of screening an anti-atherosclerotic drug (美國專利權 USA patent No. US8354520B2, date of patent Jan 15, 2013; 中華民國專利證書號 I427150, date of patent Feb 21, 2014)
4. Method for treating atherosclerosis (USA patent No. US8673875B2, date of patent Mar 18, 2014 CIA of UAS patent No. US8354520B2)
5. 大黃、黃芩及黃連用於製備預防或治療人類血管平滑肌細胞病變引起的疾病的組合物之用途(中華民國專利證書號 I406670, date of patent 2013/9/1; 中國大陸專利證書號 ZL 201010275084.1 date of patent: Nov 6, 2013)
6. 專利名稱：細胞培養皿 (中華民國專利號 M400479, Issue Date: 2011 年 3 月 21 日, 專利權期限自 2011 年 03 月 21 日至 2020 年 10 月 26 日止; 中國大陸專利號 ZL201020597133.9)
7. 專利名稱：實驗動物保定器 (一) (中華民國專利號 M399703, Issue Date: 2011 年 3 月 11 日, 專利權期限自 2011 年 03 月 11 日至 2020 年 10 月 31 日止; 申請國別：中國大陸專利號 ZL201020597123.5)
8. 專利名稱：一種實驗動物保定器 (二) (中華民國專利號 M402095 專利權期限自 2011 年 04 月 21 日至 2020 年 11 月 14 日止; 中國大陸專利號 ZL201020614762.8)
9. 專利名稱：游標尺 (台灣申請日：2010 年 12 月 3 日, 申請號：099223563; 中國大陸專利號 ZL201020647707.9)
10. 用於調節補體因子 B (CFB) 表現的醫藥組合物/ PHARMACEUTICAL COMPOSITION FOR MODULATING COMPLEMENT FACTOR B (CFB) EXPRESSION (中華民國專利號 I407953, 專利權期限自 2013 年 09 月 11 日至 2031 年 3 月 24 日止)
11. 微小 RNA let-7g 的新用途 / Method of therapy and diagnosis of atherosclerosis (中華民國專利號 I421084, 專利權期限自 2014 年 1 月 1 日至 2031 年 3 月 24 日止; USA patent No. US 8716256B2, date of patent: May 6, 2014)
12. MicroRNA-based method for anti-colorectal cancer effects and prognosis of colorectal cancer. 中華民國申請號: 100121977 申請日:2011-06-23; 美國專利權 USA patent no. US 8420618 B2, Date of patent: Apr. 16, 2013 申請日:2011-06-22)
13. 干擾性 RNA 用於製備治療及/或預防近視之藥物的用途(中華民國專利 I508731 號, 專利權期限自 2015 年 11 月 21 日至 2032 年 9 月 19 日止; USA 專利 US9,670,489B2)
14. 微小 RNA let-7g 的用途 (中華民國專利 I539954 (2016. 7. 1- 2033.10.27); USA patent filed on Jan 7, 2014)

15. 『使用微 RNA 195 提供神經保護作用的方法』 中華民國專利 I462741 (2014/12/1-2032/11/4), USA patent US 9315812B2 Date of Patent Apr 19, 2016; Japan patent 特許第 5888572 號(2016/02/26-2032/11/05)
16. 『MICRORNA-BASED METHOD FOR ANTI-COLORECTAL CANCER EFFECTS AND PROGNOSIS OF COLORECTAL CANCER』 (美國專利權 US 8,940,480 B2, Date of Patent: Jan 27, 2015) (中華民國專利 I546075 2016/8/21-2031/6/22)
17. MICRORNA-328 ANTI-SENSE COMPOSITION AND THERAPEUTIC USE (中華民國專利 I585205)