CURRICULUM VITAE

Jindong Chen

Tel: 1-202-888-5008
E-mail: **jindong_chen@hotmail.com**

EDUCATION

2000.07-2003.12
Post-doctor fellow
Cancer Genetics Lab, Van Andel Research Institute
Grand Rapids, MI 49503, USA

1995.12-2000.06
Ph.D. student
Clinic Genetics Unit, Department of Molecular Medicine
Karolinska Institute/Nobel Medical University
S-17176, Stockholm, SWEDEN

1987.9-1990.7
Postgraduate M.Sc, MD,
Medical Genetics, Southeast University Medical School
Nanjing, CHINA

1983.9-1987.7
Graduate, BS
Department of Biochemistry, Lanzhou University
Lazhou, CHINA

WORK EXPERIENCES

2016.07-present
Class A Professional
China's National Bureau of Foreign Experts
China

Guest Professor
Department of Medical Genetics
Zunyi Medical University
China

Key Member (Senior Consultant)
Expert Panel of Medical and Health Aid Agency for Guizhou
Guizhou Province
China

Professor, Chief Technology Officer
Department of Anti-metastatic Drug Development
Exploring Health LLC
China

Active Member
American Association for Cancer Research (AACR)
USA

2011.12-2016.06
Research **Associate Professor (Faculty), Co-Director**
Kidney Cancer Research Laboratory, Department of Urology
University of Rochester
School of Medicine and Dentistry
USA

2010.12-2011.11
Senior Scientist, Laboratory director
Translational Cancer Research Laboratory
National Cancer Center Singapore
Duke-NUS Graduate Medical School Singapore
Singapore

2004.01-2010.12
Research Scientist
Cancer Genetics Laboratory
Van Andel Research Institute
USA

2000.06-2003.12
Postdoctoral fellow
Cancer Genetics Laboratory
Van Andel Research Institute
USA

1995.12-2000.06
Visiting Scientist/Ph.D. Student
Clinical Genetics Unit, Departmet of Molecular Medicine
Karolinska Institute/ Nobel Medical University
SWEDEN

1995.11-1995.12
Associate professor
Department of Medical Genetics & Biology
Nanjing Tiedao Medical College /Southeast University Medical School
CHINA

1991.11-1995.11
Assistant professor
Department of Medical Genetics & Biology
Nanjing Tiedao Medical College /Southeast University Medical School
CHINA

1990.7-1990.11
Lecturer
Department of Medical Genetics & Biology
Nanjing Tiedao Medical College /Southeast University Medical School
CHINA

SCHOLARSHIPS AND AWARDS/HONORS

* AACR- Sanofi-Aventis Scholar-in-Training Award of the 100th American Association of Cancer Research Meeting (2009), oral presentation at the meeting

* AACR-Bristol-Myers Squibb Oncology Scholar-in Training Award of the 94th American Association of Cancer Research Meeting (2003) , oral presentation, and was invited to the **Press Conference** at the meeting

* Scholarships from Karolinska Institute, Sweden (1999-2000)

* Scholarships from Karolinska Institute, Sweden (1998-1999)

* Excellent Faculty Pacesetter of Southeast University Medical School (1995)

* First-class research achievement prize from the Health Department of Jiangsu Province, China (1994)

* Second-class research achievement prize as a major contributor in the study of diseases caused by pathogens by Chinese Railway Ministry (1995)

* Third-class research achievement prize from Chinese Railway Ministry (1995)

HIGHLIGHTED ACHIEVEMENTS

1. Development of a high-throughput anti-metastasis drug screening system (2016-2018):

   Have been used to screen 3 small molecular chemical libraries, and 47 anti-metastasis drug candidates have successfully passed the *in vitro* validation. Now they are being validated *in vivo*.

2. Development of VHL/PBRM1 conditional knockout mouse models (2011-2015)

   *Vhl-Sglt2-Cre knockout mouse model
   *Pbrm1-Sglt2-Cre knockout mouse model
   *Vhl-Pbrm1-Sglt2-Cre double knockout mouse model (with tumors/cysts)
   *Baf250-Sglt2-Cre knockout mouse model

3. Development of five BHD gene conditional knockout mouse models (2003-2010):

   * Bhd/CMV-Cre knockout mouse model
   * Bhd/Ksp-Cre kidney-specific knockout mouse model
   * Bhd/Sglt2-Cre kidney-specific knockout mouse model
   * Bhd/Villin-Cre intestine-specific knockout mouse model
   * Bhd/ER-Cre inducible knockout mouse model

4. Kidney cancer allograft/xenograft mouse models (2007-2010)

5. Establishment of more than 10 Bhd-floxed MEF cell lines and mouse Bhd-null kidney cancer cell lines (2005-2010)

6. Involvement in development of HRPT2 conditional knockout mouse model (2004-2009)

7. Positional cloning of kidney cancer-related genes NORE1, LSAMP, and HTPT2 (2001-2003)

8. Defining mutation spectrums of tumor suppressor genes (BRCA1, BRCA2, TP53, PTEN, LKB1/STK11, HMLH1, MLH1 in breast cancer, ovarian cancer, colorectal cancers in the Swedish population (1996-2001)

RESEARCH GRANTS

* Research Fund of Karolinska Institute (1998-2000)
* Distinguished Youth Science Foundation of Railway Ministry of China (1992-1994)
* Scientific Research Fund of Southeast University (1993-1995)
* Scientific Research Fund of Southeast University (1991-1993)
*Distinguished Youth Science Foundation of Railway Ministry of China (1993-1995)
* National Natural Science Foundation of China (1992-1995)

TEACHING EXPERIENCES

* Medical Genetics, Molecular Genetics, Molecular Biology for graduate students (Department of Biology, Southeast University Medical School, China, 1990-1995)

* Cell Biology and Biological Experiments courses for undergraduates (Department of Biology, Southeast University Medical School, China, 1990-1995)

SOCIETY MEMBERSHIPS

* Active member of American Association of Cancer Research (2000- present)
* Member of Genetics Association of China (1990-1995)
* Member of Medical Genetics Society of China (1990-1995)

JOURNAL EDITORS

Serve as the editor for **Clinics in Oncology** (Kidney cancer)
(http://www.clinicsinoncology.com/kidneycancer.php)

BOOKS

1. **Essentals of Human Genetics.** ISBN: 7-309-01736-6. Plain cover, 350 pages. Shou-YuanZhao, Yu-Quan Huang , Xiang-Nian Shan, Kai-Xian Xue , **Jindong Chen**. Publisher: Fudan Univ Press, Shanghai; November, 1996.
2. **Renal Tumors.** Editor: **Jindong Chen**. ISBN: 978-953-51-0981-5, Hard cover, 208 pages, Publisher: InTech; February 13, 2013 under CC BY 3.0 license.
3. **Colorectal Cancer**-Diagnosis, Screening and Management. Editor: Jindong Chen. ISBN: 978-1-78923-101-4; Print ISBN: 978-1-78923-100-7; Hard cover, pages; Publisher: InTech; May 16, 2018

PUBLICATIONS

1. Zheng, H., Chen, X., **Chen, J**., Wang, H., Liang, H. The effect of cAMP content on ageing in Lemna perpusillal. *Science Bulletin* 1988; 32(18): 1416-1418. (**SCI IF: 9.511**)
2. **Chen, J.**, Gao,Y.. The repeated DNA sequences of Y chromosome. *Molecular Biology Section of Guowai Medicine*,1990; 13(3): 70-73.
3. **Chen, J**., Shan, X.. Sex-determining gene(s) and sex determination in mankind. *Genetic Section of Guowai Medicine*,1990; 13(1): 10-14.
4. **Chen, J**., Shan, X., Lu, X., Li, M., Jiang, Q., Wang, S. Molecular analysis of three 46,XX males. *Heredity and Disease*, 1991; 8(2): 80-82.
5. **Chen, J**., Wang, S. X inactivation centre and the new concept of X inactivation mechanism. *Genetic Section of Guowai Medicine* 1992; 15(2): 57-60.
6. Ni, L., Sban, X., Yan, M., **Chen, J**., Lu, X. Wang, S., Wang, Z., Wang, K., Zhuo, W., Dai, L., Ye, Y. Genetic analysis of a family with choroideremia. *Chinese Journal of Medical Genetics*, 1992; 9(5): 263-265.
7. Shan, X., **Chen, J**., Lu, X., Yan, M., Wang, S. Molecular analysis of females with 46,XY karyotype. *ACTA Academiae Medicinae Sinicae*,1992; 14(1): 27-32.
8. **Chen, J**., Shan, X., Lu, X., Yan, M., Huang, Y., Wang, S. Study of molecular genetics on Swyer syndrome. *Eugenics and Heredity*. 1992; 2: 9-12.
9. Lu, X., Yan, M., Shan, X., **Chen, J**., Ni, L., Wang, S.. Isolation of a DNA marker for tapeto-choroidal dystrophy by negative selection. *Chinese Journal of Medical Genetics*, 1993; 10(2): 65-67.
10. Yan, M., Shan, X., Ni, L., **Chen, J**., Lu, X., Wang, S., Wang, G., Gao, Y., Zhang, H. Molecular analysis of tapeto-choroidal dystrophy a family by DNA hybridization. *Chinese Science Bulletin*.1993; 38(6): 558-560. (SCI IF: 1.58)
11. Qiu, D., **Chen, J**., Shan, X., Yan, M., Lu, X., Wang, S. Detection of cytomegalovirus in neonatal hepatitis syndrome by polymerase chain reaction. *J NRMC*. 1993; 12(4):202-204.

12. **Chen, J**. et al. Investigastion of SRY gene in XX males and true hermaphrodites by polymerase chain reaction. *Chinese Journal of Medical Genetics*. 1993; 10(5): 257-259.
13. **Chen, J**. et al. A simple method of preparing intact yeast DNA marker for PFGE. Chinese Journal of Medical Genetics. *Chinese Journal of Medical Genetics*, 1993;10(3): 165-166.
14. **Chen, J**., Wang, S. Pulsed field gel electrophoresis and its applications. *Genetic Section of Guowai Medicine* 1994; 17(1): 13-16.
15. Li, F., Huang, Y., Zhang, L., **Chen, J**., Zheng, G., Wang, S. Detection of the partial deletion of mitochondrial DNA in Parkinson's disease and Erb-muscular dystrophy. *J NRMC*, 1994;13(3): 129-131.
16. Shan, X., **Chen, J**.. Yan, M., Lu, X., Qiu, D. Detection of HCMV in patients with neonatal hepatitis by using nested PCR. *Chinese Virology*, 1994; 9(4): 1-5.
17. Qiu, D., Yi, G., **Chen, J**., Lu, X., Shan, X. CMV DNA detection in neonatal umbilical cord through nested PCR. *J NRMC*, 1994; 22:35-37.
18. Li, F., Zhang, L., Huang, Y., **Chen, J**., Zheng, G., Wang, S., Chen, Y. The partial deletion of mitochondrial DNA in neuromuscular diseases. *Chinese Journal of Medical Genetics*. 1994; 11(4): 193-196.
19. Zheng, G., **Chen, J**. Improved purification of synthesized oligonucleotides. *J NRMC*. 1994; 13(1): 61-62.
20. **Chen, J**. et al. Comparison of three isolation protocols of enterovirus RNA forRT-PCR. *Chinese Journal of Epidemiology*. 1994; 15(10): 218-219.
21. **Chen, J**. Lu, X., Zheng, G., Xiang, F. Universe primer-mediated RT-PCR for detection of enteroviruses in a single reaction tube. *J NRMC*. 1994; 13 (4): 252-254.
22. **Chen, J**., et al. Rapid extraction of enterovirus RNA for RT-PCR. Chinese *Journal of Medical Diagnostics*. 1994; 17 (4): 229-231.
23. Shan, X., Yi, G., Qiu, D., **Chen, J**., Lu, X. Congenital infection of CMV in newborns. *J NRMC*. 1994; 13(1): 19-22.
24. **Chen, J**., et al. Investigation of human cytomegalovirus infection in a blood donor population by polymerase chain reaction. *Chinese Journal of Hematology*. 1995; 15 (5): 357-358.
25. **Chen, J**., et al. Molecular etiology of sex reversed syndrome. *Chinese Journal of Urology*. 1995; 14 (4): 298-299.
26. Li, Z., **Chen, J**., Kang, X., Kang, X., Ye, C., Yan, S., Zhu, M. Detection of Mycoplasma pneumoniae by polymerase chain reaction. *Chinese Journal of Tuberculosis and Respiration*. 1995; 18(1): 41-43.
27. **Chen, J**., Jiang, Q., Shan, X., Li, M., Zheng, J., Zheng, G. Detection of human papilomaviruses using molecular hybridization and PCR. *Chinese Journal of Epidemiology*. 1995; 16 (3): 225-227.
28. **Chen, J**., Shan, X., Jiang, Q., Lu, X., Qiu, D., Yan, M., Zheng, G., Wang, S. Investigation of SRY in patients with sex reversed syndrome. *Reproduction & Controception*. 1995; 6(2): 105-110.

29. **Chen, J**., Jiang, Y., Lu, X., Yan, M, Shan X. Screening for point mutation in Ki-ras gene from 22 prostate cancers by PCR. *Journal of Clinical Biochemistry and Diagnostics*.1995; 16: 17-18.
30. **Chen, J**., Dai, Y., Zhang, Q., Shan, X.. Amplification and overexpression of c-erbB-2 in human bladder cancer. *Journal of Clinical Biochemistry and Diagnostics*. 1995; 16: 308-310.
31. Zhang, L., Huang, Y., Li, F., Wang, S., **Chen, J**., Zheng, G., Chen, Y. Mitochondrial DNA Deletion Associated with Neuromuscular Diseases. *Heredity*, 1995; 17(2): 4-6.
32. Wu, K., **Chen, J**., Jin, B., Shan, X., Detection of bcl-2/JH gene rearrangement by semi-nested polymerase chain reaction from one marrow and peripheral lod in patients with follicular lymphoma. *Chinese Journal of Hematology*. 1996; 17(6): 311-314.
33. Wu, K., **Chen, J**., Ni, M., et al. Detection of bcl-2/JH fusion gene in patients with non-Hodgkin's lymphoma by semi-nested polymerase chain reaction. *Chinese Journal of Pathology*. 1996; 25(3): 152-154.
34. Chen, JM., **Chen, J**., Zhang L., Huang Y. Molecular gentic study on susceptibility to streptomycin-induced deafness. *Chinese Journal of Medical Genetics.* 1996; 13(3): 152-155.
35. Zhong, TY., **Chen, J**., Xie, XP., Shi, SY. Screening B-group coxsackievirus in children through RT-PCR. *Journal of Applied Clinical Pediatrics*. 1996; 11(3): 131-134.
36. Liu, J., **Chen, J**., Tang, Y. Investigation of coxsackievirus infection in serum from children with myocarditis by PCR. *Chinese Journal of Pediatrics*. 1997; 35(1): 42-43.
37. Hackman, P., Osei-Mensa, S., Mane, MF., Kolodner, R., Tanergård, P., **Chen, J**., et al. A human compound heterozygote for two hMLH1 missense mutations. ***Nat. Genet***. 1997; 17:135-136. (**SCI IF: 27.35**)
38. Zelada-Hedman, M., Wasteson Arver, B., Claro, A., **Chen, J**., Werelius, B., Kok, H., et al. A screening for BRCA1 mutations in breast and breast-ovarian cancer families from the Stockholm region. ***Cancer Res***. 1997, 57: 2474-2477. (**SCI IF: 9.73**)
39. Zelada-Hedman, M., Børresen Dale, A-L., Claro, A., **Chen, J**., Skoog, L., Lindblom, A.. Screening for TP53 mutatons in patients and tumours from 109 Swedish breast cancer families. *Brit J Cancer*. 1997; 75, 1201-1204. (**SCI IF: 6.18**)
40. **Chen, J**., Birkholtz, G. G., Lindblom, P., Rubio, C. & Lindblom, A. The role of ataxia-telangiectasia heterozygotes in familial breast cancer, *Cancer Res*. 1998; 58, 1376-1379. (**SCI IF: 9.73**)
41. **Chen, J**., Lindblom, P., Lindblom, A. A study of the PTEN/MMAC1 gene in 136 breast cancer families. *Hum Genet*. 1998; 102, 124-125. (SCI IF: 5.74)
42. **Chen, J**., Zelada-Hedman, M., Wasteson Arver, B., Sigurdsson, S,, Eyfjörd, JE., Lindblom, A.. BRCA2 germline mutations in Swedish breast cancer families. *Eur J Hum Genet*. 1998; 6(2), 134-139. (SCI IF: 4.35)

43. Borg Å., Isola J., **Chen J**., Rubio C., Johansson U., Werelius B., Lindblom A. Germline BRCA1 and hMLH1 mutations in a family with male and female breast carcinoma. *Int J Cancer*. 2000; 85(6): 796-800. (**SCI IF: 5.15**)
44. **Chen J**., and Lindblom A. Germline mutation screening of the STK11/LKB1 gene in familial breast cancer with LOH on 19p. *Clin Genet.* 2000; 57(5): 394-397. (SCI IF: 3.93)
45. Arver B., Du Q., Chen J., Luo L., Lindblom A. Hereditary breast cancer: a review. *Semin Cancer Biol.* 2000; 10(4): 271-288. (SCI IF: 9.33)
46. **Chen, J**., Kearns K., Porter T., Richards FM., Maher ER., Teh BT. MET germ-line mutation screening in gastric families. *J Med Genet.* 2001; 38(8): E26. (**SCI IF: 6.34**)
47. Salashsor S, Huo H, Diep H, Luokola A, Zhang H, Liu T, **Chen J**, Iselius L, Rubio C, Lothe RA, Aaltonen L, Sun X-F, Lindmark G, Lindblom A. A germline E-cadherin mutation in a family with gastric and colon cancer. *Int J Mol Med*. 2001; 8(4):439-443. (SCI IF: 3.10)
48. Teh B, Lui WO, **Chen J**., Glasker S, Kort E, Larsson C, Neumann HPH. Selection of chromosome 11p loss in the tumorigenesis of VHL-related pheochromocytoma. *Am J Hum Genet*. 2001; 69(4):428 suppl. (**SCI IF: 10.93**)
49. Liu T., **Chen J**., Salahshor S., Kuismanen S, Holmberg E., Grönberg H, Peltomaki P, Lindblod A. Screening families with endometrial and colorectal cancers for germline mutations. *J Med Genet*. 2001; 38(9):E29. (**SCI IF: 6.34**)
50. Fischer, H., **Chen, J**., Skoog, L. & Lindblom, A. Cyclin D2 expression in familial and sporadic breast cancer. *Oncology Reports*. 2002; 9, 1157-61. (SCI IF: 3.51)
51. **Chen J**., Luo L., Du Q., Dumanski J., Blennow E., Kockum I., Luthman H., Lindblom A. A region close to Tp53 shows LOH in familial breast cancer. *Int J Mol Med*. 2002; 9(4): 405-409. (SCI IF: 3.10)
52. Khoo SK., Giraud S., Kahnoski K., **Chen J**., Motorna O., Nickolov R., Binet O., Lambert D., Friedel J., Levy R., Ferlicot S., Wolkenstein P., Hammel P., Bergerheim U., Hedblad MA., Bradley M., Teh BT., Nordenskjöld M & Richard S. Clinical and genetic studies of Birt-Hogg-Dube syndrome. *J Med Genet*. 2002; 39(12): 906-912. (**SCI IF: 6.34**)
53. Guo X, Lui WO, Qian CN, **Chen J**, Gray SG, Rhodes D, Haab B, Stanbridge E, Wang H, Hong MH, Min HQ, Larsson C, Teh BT. Identifying cancer-related genes in nasopharyngeal carcinoma cell lines using DNA and mRNA expression profiling analyses. *Int J Oncol*. 2002; 21(6):1197-204. (SCI IF: 3.90)
54. Qian CN., Guo X., Cao B., Kort EJ., Lee CC., **Chen J**., Wang LM., Mai WY., Min HG., Hong MH., Vande Woude GF., Resau JH., Teh BT. Met protein expression level correlates with survival in patients with late-stage nasopharyngeal carcinoma. ***Cancer Res***. 2002; 62(2):589-596. (**SCI IF: 9.73**)

55. Lui WO, **Chen J**., Glasker S., Bender BU., Madura C., Khoo SK., Kort E., Larsson C., Neumann H., Teh B. Selective loss of Chromosome 11 in pheochromocytomas associated with the VHL syndrome. ***Oncogene.*** 2002; 21(7): 1117-1122. (**SCI IF: 8.46**)
56. Carpten JD., Robbins CM., Villablanca A., Forsberg L., Presciuttini S., Bailey-Wilson J., Simonds WE., Gillanders EM., Kennedy AM., **Chen J**., Agarwal SK., Sood R., Jones MP., Moses TY., Haven C., Petillo D., Leotlela PD., Harding B., Cameron D., Pannett AA., Höög A., Heath III H., James-Newton LA., Robinson B., Zarbo RJ., Cavaco BM., Wassif W., Perrier ND., Rosen LB., Kristoffersson U., Turnpenny PD., Farnebo LO., Besser GM., Jackson CE., Morreau H., Trent JM., Thakker RV., Marx SJ., Teh BT., Larsson C & Hobbs MR.HRPT2, encoding parafibromin, is mutated in hyperparathyroidism-jaw tumor syndrome. ***Nat Genet.*** 2002; 32(4):676-80. (**SCI IF: 27.65**)
57. **Chen J**., Lui W-O., Takahashi M., Schoumans J., Khoo SK., Petillo D., Astuti, D., Lavery T., Sugimura J., Kagawa S., Clark GJ., Maher E., Larsson C., Alberts AS., Kanayama H-o., Teh BT. The t(1;3) breakpoint-spanning genes LSAMP and NORE1A are involved in renal cell carcinomas. ***Cancer Cell.*** 2003; 4(5): 405-413. (**SCI IF: 26.61**)
58. Khoo SK, Kahnoski K., Sugimura J., Petillo D., **Chen J**., Shockley K., Ludlow J., Knapp R., Giraud S., Richard S., Nordeenskjöld M. and Teh B. Inactivation of BHD in sporadic renal tumors. ***Cancer Res.*** 2003; 63: 4583-4587. (**SCI IF: 9.73**)
59. **Chen J**., Morrison C., Zhang C., Kahnoski K., Carpten J.D., Teh B.T. Hyperparathyroidism-jaw tumour syndrome (review). ***J Intern Med***. 2003; 253: 1-10. (**SCI IF: 6.87**)
60. Kahnoski, K., Khoo, S.K., Nassif, N.T., **Chen, J**., Lobo, G.P., Segelov, E., and Teh, B.T. Alterations of the Birt-Hogg-Dube gene (BHD) in sporadic colorectal tumours. ***J Med Genet***. 2003; 40, 511-515. (**SCI IF: 6.34**)
61. Howell VM, Haven CJ, Kahnoski K, Khoo SK, Petillo D, **Chen J**., Fleuren GJ, Robinson BG, Delbridge LW, Philips J, Nelson AE, Krause U, Hammje K, Dralle H, Hoang-Vu C, Gimm O, Marsh DJ, Morreau H, Teh BT. HRPT2 mutatons are associated with malignancy in sporadic parathyroid tumors. ***J Med Genet.*** 2003; 40: 657-663. (**SCI IF: 6.34**)
62. Villablanca, A., Calender, A., Forsberg, L., Hoog, A., **Chen, J**., Petillo, D., Bauters, C., Kahnoski, K., Ebeling, T., Salmela, P., et al. Germline and de novo mutations in the HRPT2 tumour suppressor gene in familial isolated hyperparathyroidism (FIHP). ***J Med Genet.*** 2004; 41, e32. (SCI IF: 6.34)
63. Zhu, B., Huang X., **Chen J**., Lu Y., Chen Y., Zhao J. Methylation changes of H19 gene in sperms of X-irradiated mouse and maintenance in offspring. *Biochem Biophys Res Commun.* 2006; 340: 83-89. (SCI IF: 3.0)
64. Zhang C, Kong D, Tan MH, Pappas DL Jr, Wang PF, **Chen J**, Farber L, Zhang N, Koo HM, Weinreich M, Williams BO, Teh BT. Parafibromin inhibits cancer cell growth and causes G1 phase arrest. *Biochem Biophys Res Commun*. 2006; 350(1):17-24. (SCI IF: 3.0)

65. Qian CN, Berghuis B,Tsarfaty G, Bruch M, Kort EJ, Ditlev J, Tsarfaty I, Hudson E, Jackson DG, Petillo D, **Chen J**, Resau JH, Teh BT. Preparing the "soil": The primary tumor induces vasculature reorganization in the sentinel lymph node prior to the arrival of metastatic cancer cells. ***Cancer Res***. 2006; 66(21):10365-10376. (**SCI IF: 9.73**)
66. Furge KA, **Chen J**, Koeman J, Swiatek P, Dykema K, Lucin K, Kahnoski R, Yang XJ, Teh BT. Detection of DNA Copy Number Changes and Oncogenic Signaling Abnormalities from Gene Expression Data Reveals MYC Activation in High-Grade Papillary Renal Cell Carcinoma. ***Cancer Res.*** 2007; 67(7):3171-3176. (**SCI IF: 9.73**)
67. Wang P, Bowl MR, Bender S, Peng J, Farber L, **Chen J**, Ali A, Zhang Z, Alberts AS, Thakker RV, Shilatifard A, Williams BO, Teh BT. Parafibromin, a component of the human PAF complex, regulates growth factors and is required for embryonic development and survival in adult mice. *Mol Cell Biol.* 2008; 28(9):2930-2940. (SCI IF: 4.78)
68. Matsuda D, Khoo SK, Massie A, Iwamura M, **Chen J**, Petillo D, Wondergem B, Avallone M, Kloostra SJ, Tan MH, Koeman J, Zhang Z, Kahnoski RJ; The French Kidney Cancer Study Group, Baba S, Teh BT. Identification of copy number alterations and its association with pathological features in clear cell and papillary RCC. *Cancer Letters.* 2008; 272: 260-267. (**SCI IF: 7.36**)
69. **Chen, J**., Futami, K., Petillo, D., Peng, J., Wang, P., Knol, J., Li, Yan., Khoo, S-K., Huang, D., Qian, C-N., Zhao, P., Dykyma, K., Zhang R., Cao, B., Yang X., Furge K., William, BO., Teh, BT. Deficiency of FLCN in Mouse Kidney Led to Development of Polycystic Kidneys and Renal Neoplasia. *PLoS One.* 2008; 3(10): e3581. (SCI IF: 3.23)
70. Qian, CN., Furge, K., Knol, J., Huang, D., **Chen, J**., Massie, A., Khoo, SK., Berghuis, B., VandenBeldt. K., Goolsby, JC., Resau, J., Camparo, P., Comperat, E., Sibony, M., Vieillefond, A., Denoux, Y., Molinie, V., Eng, C., Dykema, K., Kort, E., Williams, B., The, B. Activation of the PI3K/AKT pathway induces transitional cell carcinoma of the renal pelvis: Identification in human tumors and confirmation in animal models. ***Cancer Res.*** 2009, 69(21):8256-64. (**SCI, IF: 9.73**).
71. Farber L., Peng J., Kort E., **Chen J**., Petillo D., Zhang J., Furge K., Dykema K., Teh BT. Tumor Suppressor Parafibromin is Required for Posttranscriptional Processing of Histone mRNA. Molecular ***Carcinogenesis***, 2010; 49(3):215-223. **(SCI, IF: 5.1**).
72. Li Y., Zhang ZF., **Chen J**., Huang D., Ding Y., Han MH., Qian CN., Resau JH., Kim Hyung., and Teh BT. VX680/MK-0457, a potent and selective aurora kinase inhibitor, targets both tumor and endothelial cells in clear renal cell carcinoma. *Am J Transl Res*. 2010; 2(3):296-308. (SCI, IF: 3.40)
73. Klomp JA., Petillo D., Niemi NM., Dykema KJ., **Chen J**., Yang XJ., Saaf A., Zickert P., Aly M., Bergerheim U., Nordenskjold M., Gad S., Giraud S., Denoux Y., Yonneau L., Mejean A., Vasiliu V., Richard S., Mackeigan JP., Teh BT., Furge KA. Birt-Hogg-Dubérenal tumors are genetically

distinct from other renal neoplasias and are associated with up-regulation of mitochondrial gene expression. *BMC Med Genomics*. 2010; 3(59):1-12. (SCI, IF: 2.87)

74. Liu RY, Dong Z, Liu J, Yin JY, Zhou L, Wu X, Yang Y, Mo W, Huang W, Khoo SK, **Chen J**, Petillo D, Teh BT, Qian CN, Zhang JT. Role of eIF3a in regulating cisplatin sensitivity and in translational control of nucleotide excision repair of nasopharyngeal carcinoma. *Oncogene*. 2011; 30(48):4814-23. (**SCI, IF: 8.46**)
75. Zhang Q, Si S, Schoen S, Wu G, Jin XB1, **Chen J**. Suppression of autophagy enhances preferential toxicity of paclitaxel to folliculin-deficient renal cancer cells. *J Exp Clin Cancer Res*. 2013; 32(1):99. (**SCI, IF: 7.07**)
76. Zhang Q, Si S, Schoen S, Wu G, Jin XB1, **Chen J**. Folliculin Deficient Renal Cancer Cells Show Higher Radiosensitivity through Autophagic Cell Death. *J Urol*. 2014; pii: S0022-5347(14)00011-1. (**SCI, IF: 5.93**)
77. **Chen J**. Advances in kidney cancer. *J Zunyi Medical University*. 2014; 37(2):132-137.
78. **Chen J**., Huang D., Rubera I., Futami K., Wang P., Zickert P., Khoo SK., Dykema K., Zhao P., Petillo D., Cao B., Zhang Z., Si S., Schoen SR., Yang XJ., Zhou M., Xiao GQ., Wu G., Nordenskjold M., Tauc M., Williams BO., Furge KA., Teh BT. Disruption of tubular Flcn expression as a mouse model for renal tumor induction. *Kidney Int*. 2015; 88(5):1057-69. (**SCI, IF: 8.95**)
79. Chen J. Therapeutic advances in metastatic renal cell carcinoma. *J Zunyi Medical University*. 2015; 38(3):201-208.
80. Wu M., Si S., Schoen S., Xiao G., Li X., Wu G., Chen J. Flcn-deficient renal cells are tumorigenic and sensitive to mTOR suppression. *Oncotarget*, 2015, 6(32):32761-73 (SCI, IF 6.33)
81. Liu N., Niu J., Wang D., Li X., **Chen J**. Spinal pathomorphological changes in the breeding giant salamander juveniles. *Zoomorphology*, 2016; 134(5):1-6 (SCI, IF 1.20)
82. Zhou L., Xu T., Zhang Y., Zhu M., Zhu W., Wang Z., Gu H., Wang H., Li P., Ying J., Yang L., Ren P., Li P., Xu Z., Ni L., Bao Q., **Chen J**. Transcriptional network in ovarian cancer cell line SKOV3 treated with Pinellia pedatisecta Schott extract. *Oncology Reports*, 2016; 36(1): 462-470. (SCI, IF 3.51)
83. **Chen, J**. The role of autophagy and apoptosis in cells. *J Zunyi Medical University*. 2016; 39(3): 217-222
84. Xiao D., Lv C., Zhang Z., Wu M., Zheng X., Yang L., Li X., Wu G., **Chen J**. Novel compound CC2D2A heterozygous mutations caused Joubert syndrome. *Molecular Medicine Reports*, 2017; 15 (1):305-308 (10: 305-308. (SCI, IF 2.1)
85. Walls, G.V., Stevenson, M., Lines, K.E., Newey, P.J., Reed, A.A., Bowl, M.R., Jeyabalan, J., Harding, B., Bradley, K.J., Manek, S., **Chen, J**., Wang, P., Williams, B.O., Teh, B.T., Thakker, R.V. Mice deleted for cell division cycle 73 gene develop parathyroid and uterine tumours: model for

the hyperparathyroidism-jaw tumour syndrome. *Oncogene*, 2017, 36(28): 4025-4036. 10.1038/onc.2017.43 . (**SCI IF: 8.46**)

86. Wu, L., Peng, Z., Lu, S., Tan, M., Rong, Y., Tian, R.,Yang, Y., Chen, Y., **Chen, J**. Heavy β-thalassemia caused by compound heterozygous mutations and cured by marrow transplantation. *Molecular Medicine Reports*, 2017; 16(5): 6552-6557. (SCI, IF 2.1)
87. Zhou W., Liu C., Tian K., Feng Z., Li Y., **Chen J**. Novel multi-kinase inhibitor T03 inhibits Taxol-resistant breast cancer. *Molecular Medicine Reports*, 2018; 17(2): 2373-2383. (SCI, IF 2.1)
88. Li Y., Zhou W., Tang K., Chen X., Feng Z., **Chen J**. Silencing Aurora kinase A leads to re-sensitization of breast cancer cells to Taxol through down-regulation of SRC-mediated ERK and mTOR pathways. *Oncology Reports*, 2017; 38(4): 2011-2022 . (SCI, IF 3.51)
89. **Chen J**. Advances in development and application of knockout mouse models of kidney cancer. *J Zunyi Medical University*. 2017; 40(4): 347-357.
90. **Chen J**. Trends of cancer incidence and mortality in China. *J Zunyi Medical University*. 2018; 41(6): 653-662.
91. Su J., Chen S., Wu L., Tian M.,, Yang X., Huang X., Chen Y., Peng Z., **Chen J**. Severe thalassemia caused by Hb Zunyi [β147 Stop→Gln, HBB:c.442T>C)] in the beta globin gene. *Hemoglobin,* 2019, 43(1): 7-11. 2020;20(1):67-75. (SCI, IF 0.81)
92. Zhang Z., Liang Y., Yang Y., Zhao M., Zheng W., Zhao Y.,Luo L., Wei X., Xiao D., Li X., **Chen J**. *IL-6* promoter *-572G* polymorphic allele might be associated with low level of triglyceridemia. *International Journal of Clinical and Experimental Medicine.* 2019 (in press).
93. Geng N., Zheng X., Wu M., Yang L., Li X., **Chen J**. Tannic acid synergistically enhanced anti-cancer efficacy of cisplatin on liver cancer cells through mitochondrion-mediated apoptosis. *Oncology Reports*. 2019; 42(5):2108-2116. (SCI, IF 3.51)
94. Zhao Q., Wu., Zheng X., Yang L.,Zhang Z., Li X., **Chen J**. ERGIC3 silencing additively enhances the growth inhibition of BFA on lung adenocarcinoma cells. *Current Cancer Drug Targets*. 2020;20(1):67-75.(SCI, IF 2.91)
95. Luo X., Chen S., Zhang M., Wu L., Peng Z., Chen Y., **Chen J.** Epidemiology of triplicated α-globin genes in Guizhou province of China. *Clinical Genetics*. 2019 (in press).
96. Tan M., Peng Z., Chen S., Bai Y., Yang Y., Huang C., Shi L., Jin D., Yang X., Huang X., Zhang L., Fang J., Tian R., Yang Y., Luo X., Su Q., Rong Y., Wu L., Zheng L., Xia J., Murong H., Zhu P., Yang F., Zhong X., Chen Y., **Chen J.** Large-scale thalassemia carrier screening among 18,309 neonates in Qianxinan State, China through improved next-generation sequencing and Gap-PCR system. Manuscript.
97. Liusong Wu, Yan Chen, **Jindong Chen**. Molecular Epidemiological Characteristics and Health Effects of Thalassemia for Couples of

childbearing age in Guizhou Province of China by Next-generation sequencing. Manuscript.

98. **Chen J**., Wang P., Qian CN, Li Y., Futami K., Khoo S., Petillo D., Huang D., Zhang J., Teh BT. ER leaking expression in kidney led to Flcn disruption and renal cysts. Manuscript.
99. **Chen J**., Futami K., Petillo D., Wang P., Peng J., Qian CN., Khoo S., Bender S., Huang D., Luo W., Yang X., Teh BT. Disruption of Flcn globally leads to homozygous embryonic lethality and increased susceptibility to neoplasia in heterozygotes. Manuscript.
100. Si S., Schoen S., Wang Z., Wu G., **Chen J**. Double knockout of Vhl and Pbrm1 in mouse kidney led to renal adenoma. Manuscript.
101. Si S., Schoen S., Wang Z., Wu G., **Chen J**. Disruption of Pbrm1 in mouse renal proximal tubules causes kidney cysts. Manuscript.