**CURRICULUM VITAE**

* **General Information**

**Name:** Di, Li-jun PhD.

* **CURRENT AFFILIATION**

Associate Professor, Faculty of Health Sciences, University of Macau, SAR China

Av. Padre Tomas Pereira, Taipa, Macau SAR

Tel.:+853-88224497 lijundi@umac.mo

* **EDUCATION**

**PhD**., 2003-2006

*Institution:* Chinese Academy of Medical Sciences (CAMS) & Peking Union Medical College (PUMC, Division of Medicine, Tsinghua University), Beijing, P. R. China

**Master**, 2000-2003

*Institution:* Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan P. R. China

**Bachelor**, 1996-2000

*Institution:* School of life sciences, University of Inner Mongolia, Inner Mongolia, P. R. China

* **Research Experience**

**Associate Professor,** 2018-present

**Assistant Professor**, 2013-2018

*Institution:* Faculty of Health Sciences, University of Macau

**Research Fellow**, 2007-2013

*Institution:* National Cancer Institute, National Institutes of Health, USA.

* **Teaching and mentorship**

**Course Name:** Current topics in Cancer biology (**MBBM811**)

Semester: 2014/2015 1st and 2nd semester, 2015/2016 1st semester, 2016/2017 1st semester

Level: Ph.D students

Faculty: Faculty of Health Sciences (FHS)

**Course Name:** Methodologies in Molecular Biology and Biomedicine 分子生物學及生物醫學方法 (**MBBM801**), the section of “Technologies in using mouse as research model”.

Semester: 2014 1st semester;

Level: Ph.D students

**Course Name**: WONDERS IN LIFE SCIENCE AND HEALTH: BIOMEDICAL SCIENCE (**FHSG212**)

Semester: 2015/2016 1st semester, 2016/2017 1st and 2nd semester

Level: Undergraduate students

**Course Name**: Cancer biology (**BIOB354/BIOM411/HSCI4001**)

Semester: 2014/2015~2024/2025 1stsemester

Level: undergraduate students

**Couse Name: Nutrition in Health and Disease (GEGA1007)**

Semester: 2021/2022 2nd semester-2022/2023 2nd semester

Level: General Education, Undergraduate students

Couse Name: Advanced nutrition and food safety (HSCI7007)

Level: Graduate students

**Supervised Postdoc fellow:**

* Dr. Wang Jianlin since 2015
* Dr. Zhang Chao since 2015
* Dr. Tai Lixin since 2023

**Supervised PhD students:**

* Hao Dapeng 2014
* Zhao Zhiqiang 2014
* Nie lun 2015
* Li peipei 2015
* Li Jingjing 2015
* Wang Yuan 2015
* Tai Lixin

**Current PhD students:**

* Zhu Dongliang 2020
* Tang Ping 2020
* Wang Lifen 2020
* Xu Hongxia 2021
* Li Jiajia 2021
* Liu Tianyu 2022
* Feng Hao 2024
* Liu Xueyi 2024
* **Research and publication/creative works**
* **Journal publications**
1. Lixin Tai, Dongliang Zhu, Ping Tang, Jiajia Li,Junyi Li, Peipei Li, Zhonghua Tao, Haipeng Lei, Kai Miao, Hong-xia Wang, Shuhai Lin, Lei Zhang, Dou Man, Yu Han, Han-Ming Shen, Chuxia Deng, Li Wang, Li-jun Di, Reciprocal Stabilization of CtBP and TRIM28 by forming complex promotes cancer metastasis via repressing autophagy. **Nat. Struct. Mol. Biol.** 2024 (in press)
2. Li Wang, Jiajia Li, Ping Tang, Dongliang Zhu , Lixin Tai, Yuan Wang, Tsukiko Miyata , James R. Woodgett , **Lijun Di**, GSK3β Deficiency Expands Obese Adipose Vasculature to Mitigate Metabolic Disorders. **Circulation Research** 2024 (in press)
3. Jingjing Li, Yuan Wang, Li Wang, Dapeng Hao, Peipei Li, Minxia Su, Zhiqiang Zhao, Tianyu Liu, Lixin Tai, Jinjian Lu, **Li-Jun Di**., Metabolic modulation of CtBP dimeric status impacts the repression of DNA damage repair genes and the platinum sensitivity of ovarian cancer. **Int J Biol Sci**. 2023 Apr 9;19(7):2081-2096
4. Li Wang, Jiajia Li, Lijun Di., Glycogen synthesis and beyond, a comprehensive review of GSK3 as a key regulator of metabolic pathways and a therapeutic target for treating metabolic diseases, **Medicinal Research Reviews** 2022 Mar;42(2):946-982
5. Peipei Li, Li Wang, Junning Yang, **Li-Jun Di** &Jingjing Li Applications of the CRISPR-Cas system for infectious disease diagnostics. **Expert Review of Molecular Diagnostics**, 21:7, 723-732,
6. Yuan Wang, Jiajia Li, Jingjing Li, Peipei Li, Li Wang, **Lijun Di**, An Enhancer-Based Analysis Revealed a New Function of Androgen Receptor in Tumor Cell Immune Evasion. **Front Genet**, 2020 Dec 2;11:595550.
7. Peipei Li, Li Wang, **Li-jun Di**, Applications of Protein Fragment Complementation Assays for Analyzing Biomolecular Interactions and Biochemical Networks in Living Cells, **J. Proteome Res**. 2019, 18, 8, 2987-2998
8. Peipei Li, Yuan Meng, Yuan Wang, Jingjing Li, Manting Lam, Li Wang, **Li-jun Di.** Nuclear localization of Desmoplakin and its involvement in telomere maintenance, **Int J Biol Sci**2019; 15(11):2350-2362
9. Dapeng Hao, Guangyu Wang, Weiwei Yang, Jinan Gong, Xingmin Li, Mingming Xiao, Lijie He, Li Wang, Xiaobo Li, **Lijun Di**, Reactive versus Constitutive: Reconcile the Controversial Results about the Prognostic Value of PD-L1 Expression in cancer. **Int J Biol Sci** 2019 Jul 21;15(9):1933-1941
10. Dapeng Hao, Jingjing Li, Jianlin Wang, Yuan Meng, Zhiqiang Zhao, Chao Zhang, Chuxia Deng, Benjamin K. Tsang, **Li Wang**，**Li-jun Di**， Non-classical estrogen signaling in ovarian cancer improves chemo-sensitivity and patients’ outcome, **Theranostics**2019; 9(13):3952-3965
11. Peipei Li, Yuan Meng, Li Wang, **Li-jun Di**, BioID: a proximity-dependent labeling approach in proteomics study, **Methods Mol Biol**. 2019;1871:143-151
12. Zhiqiang Zhao, Dapeng Hao, Li Wang， Jingjing Li, Yuan Meng, Peipei Li, Yuan Wang, Chao Zhang, Haisheng Zhou, Kevin Gardner, **Li-jun Di**, CtBP promotes metastasis of breast cancer through repressing cholesterol and activating TGF- signaling, **Oncogene**. 2019 Mar;38(12):2076-2091
13. [Li](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20L%5BAuthor%5D&cauthor=true&cauthor_uid=30026270) Wang, Yuan Wang, Chao Zhang, Jingjing Li, Yuan Meng, Man Dou, Constance T, [Noguchi](https://www.ncbi.nlm.nih.gov/pubmed/?term=Noguchi%20CT%5BAuthor%5D&cauthor=true&cauthor_uid=30026270), [**Li-jun**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Di%20L%5BAuthor%5D&cauthor=true&cauthor_uid=30026270) **Di**, Inhibiting Glycogen Synthase Kinase 3 Reverses Obesity-Induced White Adipose Tissue Inflammation by Regulating Apoptosis Inhibitor of Macrophage/CD5L-Mediated Macrophage Migration. **Arteriosclerosis, Thrombosis, and Vascular Biology** 2018 Sep;38(9):2103-2116
14. Dapeng Hao, Jie Liu, Meng Chen, JingJing Li, Li Wang, Xiaobo Li, Qi Zhao, **Li-jun Di**, Immunogenomic analyses of advanced serous ovarian cancer reveal immunoscore is a strong prognostic factor and a predictor of chemo-sensitivity. **Clinical Cancer Research** 2018 Aug 1;24(15):3560-3571
15. Li Wang, Yuan Wang, Yuan Meng, Chao Zhang, **Li-jun Di**, GSK3 activated STAT5 regulates expression of SFRPs to modulate adipogenesis. **FASEB J** 2018 Sep;32(9):4714-4726
16. Li Wang, Jing-jing Li, Li-yu Guo, Peipei Li, Zhiqiang Zhao, Haisheng Zhou, **Li-jun Di**, Molecular link between glucose and glutamine consumption in cancer cells mediated by CtBP and SIRT4., **Oncogenesis 2018** Mar 13;7(3):26
17. Dapeng Hao, Jingjing Li, Shanshan Jia, Yuan Meng, Chao Zhang, Li Wang, Lijun **Di†**, Integrated analysis reveals tubal and ovarian originated serous ovarian cancer and predicts differential therapeutic responses, **Clinical Cancer Research**, 2017 Dec 1;23(23):7400-7411.
18. Li J, Hao D, Wang L, Wang H, Wang Y, Zhao Z, Li P, Deng C, **Di LJ†**. Epigenetic targeting drugs potentiate chemotherapeutic effects in solid tumor therapy. **Sci Rep**. 2017 Jun 22;7(1):4035
19. Li P, Li J, Wang L, Di, **Lijun†**, Proximity labeling of interacting proteins: Application of BioID as a discovery tool. **Proteomics**, 2017 Oct;17(20)
20. Hao Dapeng, Wang Li, **Di Lijun†**, Distinct mutation accumulation rates among tissues determine the variation in cancer risk, **Scientific Report**, 2016, Jan 20;6:19458
21. Wang L, **Di LJ†**. Wnt/β-catenin mediates AICAR effect in increasing GATA3 expression and inhibiting adipogenesis. **J Biol Chem**. 2015 Aug 7;290(32):19458-68.
22. Wang L., Zhou HS., Wang YT., Cui GZ., **Di, L.J. †,** CtBP maintains cancer cell growth and metabolic homeostasis via regulating SIRT4. **Cell Death Diseases**. 2015 Jan 29;6:e1620,
23. Wang L., **Di, L.J.†,** BRCA1 And Estrogen/Estrogen Receptor In Breast Cancer: Where They Interact? **Int J Biol Sci**. **2014** 14;10(5):566-75,
24. Wang L, **Di L.J. †,** Noguchi CT. [Erythropoietin, a novel versatile player regulating energy metabolism beyond the erythroid system.](http://www.ncbi.nlm.nih.gov/pubmed/25170305) **Int J Biol Sci**. **2014** Aug 23;10(8):921-39.
25. Wang L, **Di L.j.(Co-first)**, Noguchi CT. [AMPK is involved in mediation of erythropoietin influence on metabolic activity and reactive oxygen species production in white adipocytes.](http://www.ncbi.nlm.nih.gov/pubmed/24953559) **Int J Biochem Cell Biol**. **2014** Sep;54:1-9,
26. **Di, LJ.,** Byun, J.,Wong, M., Wakano, C., Hunter, K., Olopade, OI., Perou, C., Evan, M., Chou, JW., Gardner, K., Genome-wide Profiles of CtBP Link Metabolism With Genome Stability and Epithelial Reprogramming in Breast Cancer (**Nat. Commun**, 2013 4:1449).
27. Wakano, C., Byun, J., **Di, LJ**., Gardner, K., The Dual Lives of Bidirectional Promoters. **BBA-Gene Regulatory Mechanism** 2012 Jul;1819(7):688-93,
28. **Di, LJ.,** Fernandez, A., De Siervi A., Longo DL, Gardner K., Regulation of BRCA1 transcription by a metabolic switch. **Nat. Struct. Mol. Biol**. 2010 Dec;17(12):1406-13,
29. De Siervi A, De Luca P, Byun JS, **Di LJ,** Fufa T, Haggerty CM, Vazquez E, Moiola C, Longo DL, Gardner K., Transcriptional autoregulation by BRCA1. **Cancer Res**. 2009 70:532-42,
30. **Di, LJ**., Wang, L.,Lv X., Zheng W., Xue Z., Guo Zhi-Chen.,Liu, DP & Liang, CC., Inter-MARs’ association mediated by SATB1 contributes to active transcriptional looping events in human -globin gene cluster. (**PLoS ONE**.4(2):e4629. 2009,
31. **Di, LJ**., Wang, L., Zhou, GL., Wu, XS., Guo, ZC., Ke, XS., Liu, DP & Liang, CC., Identification of long range regulatory elements of mouse alpha-globin gene cluster by quantitative associated chromatin trap (QACT). **J. Cell. Biochem**. 105:301-312. 2008,
32. Zhou, GL., Xin, L., Song, W., **Di, LJ**., Liu, G., Wu, XS., Liu, DP & Liang, CC., Active chromatin hub of the mouse alpha-globin locus forms in a transcription factory of clustered housekeeping genes. **Mol Cell Biol** 26:5096-5105, 2006.
33. Zhou H, Shao M, Yang X, Li C, Cui G, Gao C, **Di L**, Zhong H, Wang Y, Zhang Z, Lee SM, Tetramethylpyrazine Analogue T-006 Exerts Neuroprotective Effects against 6-Hydroxydopamine-Induced Parkinson's Disease In Vitro and In Vivo. Oxid Med Cell Longev. 2019 Nov 14;2019:8169125.
34. Wang L, Chan JY, Zhou X, Cui G, Yan Z, Wang L, Yan R, Di Lijun, Wang Y, Hoi MP, Shan L, Lee SM, A Novel Agent Enhances the Chemotherapeutic Efficacy of Doxorubicin in MCF-7 Breast Cancer Cells, Front Pharmacol. 2016 Aug 10;7:249
35. Liang Wang, Xiaojing Zhang, Guozhen Cui, Judy Yuet‑Wa Chan, Li Wang, Chuwen Li, Luchen Shan, Changjiang Xu, Qingwen Zhang, Yuqiang Wang, Lijun Di†, Simon Ming‑Yuen Lee†, A novel agent exerts antitumor activity in breast cancer cells by targeting mitochondrial complex II, Oncotarget, 2016 May 31;7(22):32054-
36. Pan Zhao, Si-Jia Guoa, Zhen-zhen Tua, Li-Jun Di, Xiao-Jun Zha, Hai-Sheng Zhou, Xue-jun Zhang, Grhl3 induces human epithelial tumor cell migration and invasion via downregulation of E-cadherin, [Acta Biochimica et Biophysica Sinica](http://www.oxfordjournals.org/abbs/about.html), 2016 Mar;48(3):266-74.
37. Zha X, Hu Z, Ji S, Jin F, Jiang K, Li C, Zhao P, Tu Z, Chen X, Lijun Di, Zhou H, Zhang H, NFκB up-regulation of glucose transporter 3 is essential for hyperactive mammalian target of rapamycin-induced aerobic glycolysis and tumor growth
38. Wang L, Teng R, Di L.j., Rogers H, Wu H, Kopp JB, Noguchi CT. [PPARα and Sirt1 mediate erythropoietin action in increasing metabolic activity and browning of white adipocytes to protect against obesity and metabolic disorders.](http://www.ncbi.nlm.nih.gov/pubmed/23990359) Diabetes. 2013 Dec;62(12):4122-31.
39. Jie Liu, Shuo Yang, Bihui Cao, Guangyu Zhou, Fengjuan Zhang, Yuan Wang, Rixin Wang, Lipeng Zhu, Ya Meng, Cong Hu, Hui Liang, Xu Lin, Kangshun Zhu, Guokai Chen, Kathy Qian Luo, **Lijun Di** & Qi Zhao. Targeting B7-H3 via chimeric antigen receptor T cells and bispecific killer cell engagers augments antitumor response of cytotoxic lymphocytes. Journal of Hematology & Oncology volume 14, Article number: 21 (2021)
40. Haitao Wang, Sen Guo, Seung-Jin Kim, Fangyuan Shao, Joshua Wing Kei Ho, Kuan Un Wong, Zhengqiang Miao, Dapeng Hao, Ming Zhao, Jun Xu, Jianming Zeng, Koon Ho Wong, **Lijun Di**, Ada Hang-Heng Wong, Xiaoling Xu, Chu-Xia Deng, Cisplatin prevents breast cancer metastasis through blocking early EMT and retards cancer growth together with paclitaxel Theragnostic 2021; 11(5):2442-2459.
41. Yun Liu, Honglian Wang, Xin Wang, Jiaqi Liu, Junjian Li, Xiang Wang, Yun Zhang, Zhigang Bai, Qinghua Zhou, Ying Wu, Yi Shen, Xiaoling Weng, Fatao Liu, Jiancheng Guo, **Lijun Di**, Olivier Gires, Zhongtao Zhang, Yiding Chen & Hongxia Wang, Prevalence and reclassification of BRCA1 and BRCA2 variants in a large, unselected Chinese Han breast cancer cohort, Journal of Hematology & Oncology volume 14, Article number: 18 (2021)
* **Book Chapter:**

Springer Protocols (2019) BioID: A Proximity-Dependent Labeling Approach in Proteomics Study **Functional Proteomics** pp 143–151

* **Awards**

2011 Recipient of The Fellows Award for Research Excellence (FARE) Award from CCR/NCI (Award to Di Lijun)

2010 Selected as one of TOP 10 most significant advances of CCR/NCI (Award to Kevin Gardner Lab)

2023 Selected for best poster award of 9th Macau symposium of Biomedical Sciences (Award to PhD student Tai Lixin)

2022 Selected for best poster award of 8th Macau symposium of Biomedical Sciences (Award to PhD student Li Jiajia)

2021 Selected for best poster award of 7th Macau symposium of Biomedical Sciences (Award to PhD student Tai Lixin)

2019 Selected for Graduate student award by FDCT (Award to PhD student Li Jingjing), Macau

2018 Selected for Graduate student award by FDCT (Award to PhD student Hao Dapeng), Macau

2015 Selected as 1st prize for presentation of 2th Macau symposium of Biomedical Sciences (Award to PhD student Hao Dapeng)

2016 Recipients of EMSO Asia travel award (Award to Di Lijun and PhD student Li jingjing)

2016 2nd prize for presentation on 5th international oncology conference in Guangzhou (Awarded to PhD student Li Peipei)

2015 Recipient for 3rd prize for presentation on 2016 national conference of biochemistry and molecular biology (Awarded to Di Lijun)

2017 Recipient of 1st prize for presentation of 4th Macau Symposium of Biomedical Sciences (Awarded to PhD student Hao Dapeng)

2017 Recipient of Outstanding Academic Staff (Awarded to Lijun Di)

* **Grants**

**External grants**

* **Science and Technology Development Fund (FDCT) of Macao SAR**

**Title of project:** *Study of the Trim28 nuclear retaining and the switch of fatty acid metabolism in inhibiting the autophagy and increasing the breast cancer metastasis risk*  0048/2022/A1 Project Start date: 17/12/2022 Project End date: 16/12/2025 Duration: 36 months

**Title of project:** *Metabolomics study of lung metastasis of breast cancer and lung cancer and the translational research* 0054/2022/AMJ Project Start date: 17/12/2022 Project End date: 16/06/2025 Duration: 30 months

**Title of project:** *Mechanism study of GSK3 regulated obesity-induced inflammation within white adipose tissue and its application in disease prevention and treatment* MOP 2,400,000 FDCT/0117/2018/A3Project start date: 29/06/2019 Project end date: 28/06/2022

**Title of project:** *Characterization of metabolic activities of metastatic cancer cells and investigation its impact on CtBP dimerization and CtBP regulation of cancer metastasis* Funding Amount: MOP 2,163,000 Funding Code: FDCT/0014/2018/A1Project start date: 20/06/2018 Project end date: 28/06/2021

**Title of project:** *Investigation of CtBP mediated neoplastic transformation: Mechanisms and Drug discover*  FDCT /025/2014/A1Amount of fund acquired: 2,010,000 MOP Dates: 20/01/2015

**Title of project:** *Investigation of CtBP regulated cancer cell metabolic pathways: Mechanisms and Drug discovery* FDCT /088/2014/A2) Dates: 20/01/2015

* **National Science Foundation (国家自然科学基金)**

**Title of project:** CtBP调控胆固醇代谢稳态在乳腺癌恶化转移中的作用（81772980面上项目）

**Internal grants**

**Title of project:**  *CtBP and SIRT4 mediate the glycolysis promoted glutamine metabolism in cancer cells* **SRG** (SRG2013-00044-FHS) Dates: 10/01/2013

**Title of project:** *The mechanism of CtBP promoted tumorigenesis and tumor prevention by targeting CtBP* MYRG2015-00037-FHS 04/01/2015

**Title of project:** *Investigating the role of CtBP in regulating insulin secretion of pancreatic beta cells and the correlation of CtBP to the pathogenesis of diabetes related to energy metabolism* MYRG2015-00167-FHS 04/01/2015

**Title of project:** *Investigating the function and mechanism of GSK3β in contributing to development of obesity and its associated insulin resistance via modulating adipogenesis, energy metabolism and adipose tissue inflammation* **MYRG**2016-00251-FHS Dates: 01/01/2017 840,000 MOP

**Title of project:** *Investigating the function and mechanism of GSK3¦Â in contributing to development of obesity and its associated insulin resistance via modulating adipogenesis, energy metabolism and adipose tissue inflammation"* MYRG2016-00251-FHS Dates: 01/01/2017

**Title of project:** *Mechanism study of breast cancer metastasis in the perspective of cholesterol homeostasis* MYRG2018-00158-FHS

**Title of project:** *Investigation of novel autophagy repressing CtBP-Trim28 complex and its function in cancer development* MYRG2022-00173-FHS

* **Conference publications**

**2006 Lijun Di**, Li Wang, Depei, Liu**†**, 15th conference on Hemoglobin Switching, Oxford, London, UK. “Associated chromatin assay of mouse α-globin gene cluster and identification of an a-globin gene-specific silencer” Blood Cells, Molecules, and Diseases, Volume 38, Issue 2, March-April 2007, Pages 152-153

**2008 Lijun Di**, Li Wang, Depei, Liu**†**, 16th Conference on Hemoglobin Switching, Asilomar, CA, Inter-MARs’ association mediated by SATB1 contributes to active transcriptionally looping events in human b-globin gene cluster.

2009 **Lijun Di**, Kevin Gardner**†**, 3rd Atlantic Coast Chromatin Conference (ACCC), University of North Carolina at Chapel Hill “Role of CtBP in regulating the expression of Brca1 gene”

**2009 Lijun Di**, Kevin Gardner**†**, 4th Postdoc retreat by Center of Excellence in Chromosome Biology(CECB), NIH, Bethesda, Maryland, “Transcriptional regulation of BRCA1 by the equilibrium between transcriptional activators and repressors.”

**2010 Lijun Di**, Kevin Gardner**†**, 101th Annual conference of America Association of Cancer Research, Washington DC, US “Epigenetic regulation of BRCA1 transcrition by a metabolic switch". **Cancer Res.,** Apr 2010; 70: 1116.

**2011 Lijun Di**, Kevin Gardner**†**, 102th Annual conference of America Association of Cancer Research, Florida, US “Transcriptional regulation of BRCA1 by a metabolic switch and genome-wide binding assay of BRCA1 and CtBP”. **Cancer Res.,** Apr 2011; 71: 226

2011 **Li-Jun Di,** Madeline M. Wong, Clay T. Wakano, Jung Byun, Lyuba Varticovski, Kent Hunter, Olufunmilayo I. Olopade and Kevin Gardner**†**, 2nd AACR International Conference on Frontiers in Basic Cancer Research, San Francisco, California, US“Transcriptional control of genome surveillance and repair by a metabolic switch”, **Cancer Research** 71: B33.

2012 **Lijun Di**, Kevin Gardner**†**, Cold Spring Harbor meeting in New York, US “A crosstalk between gene transcription and cellular metabolism mediated by CtBP contributes to genomic instability, cell pluripotency, and epithelial to mesenchymal transition”

2013 **Lijun Di†,** Li Wang, Kevin Gardner, The 14th SCBA International Symposium, Xi’an, China, “Genome-wide profiles of CtBP link metabolism with genome stability and epithelial reprogramming in breast cancer”

2013 Li Wang, **Lijun Di†,** The 14th SCBA International Symposium, Xi’an, China, “Erythropoietin increases metabolic activity and browning of white adipocytes to protect against obesity and metabolic disorders”

2014 **Lijun Di†,** Li Wang, Cell symposium, Hallmarks of Cancer: Asia, Beijing, China, “CtBP indispensably maintains cancer cell growth and metabolic homeostasis”.

2015 **Lijun Di†,** Li Wang, Keystone symposium, Tumor Metabolism, Vancouver, Canada, CtBP maintains cancer cell growth and metabolic homeostasis via regulating Sirt4

2015 Li Wang, **Lijun Di†**, Cold Spring Harbor Asia Lipid Metabolism and Human Metabolic Disorders, Suzhou, China, “AICAR increases GATA3 expression and regulates Wnt/ß-catenin pathway to inhibit adipogenesis”. ***Selected as*** ***Oral presentation***,

2015 Li Wang, **Lijun Di†**, Keystone symposia, Obesity and the Metabolic Syndrome: Mitochondria and Energy Expenditure, British Columbia, Canada, “Erythropoietin regulates GLUT4 expression and glucose metabolism in White Adipocytes”.

2015 **Lijun Di†,** Li Wang, Groucher Summer Course in Hong Kong on Cancer Biology, Hong Kong, CtBP maintains cancer cell growth and metabolic homeostasis via regulating Sirt4

2015 Hao DP, **Lijun Di†**, 2nd Macau Symposium on Biomedical Sciences, Macau, Genomic analyses identify CtBPs as suppressors of HR pathway and novel prognostic factors of ovarian cancer

2015 **Lijun Di†,** Li Wang, 2nd Macau Symposium on Biomedical Sciences, Macau, Functional Analysis of CtBP in cancer

2015 **Lijun Di†** Li Wang, The 6th Sina-Finn Life Science Forum, Helsinki, Cancer Biology Functional studies of CtBP in Cancer

2016 Zhang Chao, Nie Lun, Wang li, **Di, Lijun†**, Gordon Research Conferences - 2016 Meeting - Tissue Niches & Resident Stem Cells in Adult Epithelia, Hong Kong, Breast cancer stem cell proliferation and mammary epithelial cell transformation are regulated by CtBP via modulating the intracellular redox status

2016 Li Wang, **Lijun Di†**, Annual Meeting of Chinese Society of Biochemistry and Molecular Biology, Hang Zhou, GSK3β activity that can be regulated by AICAR via stimulated AKT in preadipocytes is involved in the regulation of adipogenesis, glucose metabolism and insulin action in adipocytes. 2016 Hangzhou, Zhejiang.

2016 Li jingjing, Li Wang, **Lijun Di†**, ESMO Asia conference, Singapore, Epigenetic-targeted drugs increase sensitivity to conventional treatment via chromatin remodeling. Published in Annals of Oncology (2016) 27 (Suppl\_9), Selected as Conference Highlight.

2016 Li peipei, Li Wang, **Lijun Di†**, 5th international oncology conference in Guangzhou, Guang Zhou, BioID-based identification of CtBP interacting partners in living cells. Secondary Award

2016 Zhao ZQ, Wang Li, and **Lijun Di†**, Annual conference of biochemistry and molecular biology society of China, Hang Zhou, CtBP promote the cancer cell migration through downregulating cholesterol synthesis. Third award for Poster presentation.

2016 Hao DP, Wang Li, and **Lijun Di†**, ESMO Asia, Singapore, Genomic Signature identifying origins of EOC from Fallopian tube and ovary epithelium. Published in Annals of Oncology (2016) 27 (Suppl\_9),Selected for Oral presentation.

2016 Zhang Chao, Wang Li, and **Lijun Di†**, Gordon Conference: Tissue Niches & Resident Stem cells in Adult Epithelial, Hong Kong, CtBP represses cancer cell senescence via regulating the glutathione pathway.

2016 Zhao ZQ, Wang Li and **Lijun Di†**, 3rd Macau Symposium on Biomedical Sciences, Macau CtBPs promote metastasis through reducing the cholesterol content in the cell membranes.

2016 Hao Dapeng, **Lijun Di†**, 3rd Macau Symposium on Biomedical Sciences, Macau, Integrated analyses of epithelial ovarian cancer. Selected as 1st Award for poster presentation

2016 LI Wang, **Lijun Di†**, Keystone Symposia on Molecular and Cellular Biology-Obesity and Adipose Tissue Biology, Fairmont Banff Springs, Canada, AICAR inhibit adipogenesis through regulating Wnt/βcatenin pathway and inhibiting GSK3β activity

2017 Li Wang, **Lijun Di†**, Cold Spring Harbor Asia meeting: Lipid Metabolism and Metabolic Disorders, Suzhou, China, GSK3β activity that can be regulated by AICAR via stimulated AKT in preadipocytes is involved in the regulation of adipogenesis, glucose metabolism and insulin action in adipocytes.

2017 Li Wang, **Lijun Di†**,15th Asia Conference on Transcriptional regulation, Penang, Malaysia, Molecular link of glucose and glutamine consumption in cancer cells mediated by CtBP and Sirt4. 2017. Selected as Oral presentation.

2017 Zhang Chao, Wang li and **Lijun Di†**, Keystone meeting: Aging and Mechanisms of Aging Related Disease, Yokohama, Japan, CtBP represses cancer cell senescence via regulating the glutathione pathway.

2017 Zhao ZQ, Wang Li and **Lijun Di†**, Annual Conference of Cell biology society of China, Xiamen, CtBPs promote metastasis through reducing the cholesterol content in the breast cancer cell membrane

2017 Zhang Chao, Wang Li and **Lijun Di†**, Annual Conference of Cell biology society of China, Xiamen, CtBPs regulate the intracellular redox status and alleviate senescence via GCLC,

2017 Wang Li and **Lijun Di†**, Annual Conference of Cell biology society of China, Macau, The role of CtBP in breast cancer development in the perspective of metabolism regulation. Selected Talk

2017 Zhang Chao, Wang Li and **Lijun Di†,** 6th conference on breast cancer stem cells, Zhanjiang, Guangdong, Breast cancer stem cell proliferation and mammary epithelial cell transformation are regulated by CtBP via modulating the intracellular redox status

* **Invited or selected speaker**

2010- **Lijun Di**., 5th Postdoc fellow retreat by Center of Excellence in Chromosome Biology(CECB), Bethesda, Maryland ” Epigenetic regulation of BRCA1 transcription by a metabolic switch”

2010- **Lijun Di**., Department of Biochemistry, Howard University, Washington DC, “Epigenetic regulation of BRCA1 transcription by a metabolic switch”.

2013- **Lijun Di**., School of life sciences, Anhui Medical University, Hefei, Anhui, “ Functional analysis of CtBP as a candidate oncogene”

2014- **Lijun Di**., National Key Laboratory of molecular biology in medicine, PUMC, Beijing, China “Functional analysis of CtBP as a candidate oncogene”

2015- **Lijun Di**., 2nd  Macau Symposium on medical sciences, Macau, China, “ Functional analysis of CtBP in Cancer”.

2015-Li Wang, **Lijun Di†**, Cold Spring Harbor Asia Lipid Metabolism and Human Metabolic Disorders, Suzhou, China, “AICAR increases GATA3 expression and regulates Wnt/ß-catenin pathway to inhibit adipogenesis”.

2015- **Lijun Di†**. The 6th Sina-Finn Life Science Forum, Helsinki, Cancer Biology Functional studies of CtBP in Cancer (***Appointed as co-Chair of Section 2***)

2016- **Lijun Di** ESMO Asia in Singapore, Genomic Signature identifying origins of EOC from Fallopian tube and ovary epithelium

2017- **Lijun Di** Annual Conference of Cell biology society of China, The role of CtBP in breast cancer development in the perspective of metabolism regulation. 2017, Xiamen, China, Selected Talk

2017-**Lijun Di**, Molecular link of glucose and glutamine consumption in cancer cells mediated by CtBP and Sirt4. 2017. Penang. Malaysia, selected as Oral presentation

2017- **Lijun Di**, Epigenetic targeting drugs potentiate chemotherapeutic effects in solid tumor therapy, 2017, FDCT-NSFC communication forum, Guang zhou, China selected as Oral presentation

2017-**Lijun Di**, Genomic Signature identifying origins of EOC from Fallopian tube and ovary epithelium, Shen zhen, Shenzhen Precision Medicine Conference, China selected as Oral presentation

2019-**Lijun Di,** Genomic Signature identifying origins of EOC from Fallopian tube and ovary epithelium, Kyoto, Cancer Conference of Japan, Invited as Oral presentation

2018- **Lijun Di**, Function of CtBP in regulating cholesterol metabolism in breast cancer development, Shanghai metabolic meeting and cancer biology Invited as Oral presentation

2019- **Lijun Di**, CtBP function in breast cancer and ovarian cancer, Korea, International meeting on precision medicine, Seoul, Korea Invited as Oral presentation

2019-**Lijun Di**, CtBP function in breast cancer, Macau, NSFC-FDCT Invited as Oral presentation

2022- **Lijun Di**, The function of CtBP in Cancer development, Anhui Medical University Invited as Oral presentation

2023-**Lijun Di**, Metformin promotes the CtBP repression of DNA repair in ovarian cancer, NAPA, Seoul, Korea Invited as Oral presentation

2024- **Lijun Di**, The function of CtBP in Cancer development, Frontiers Forum on Mechanism Research of Major Diseases and Discovery of New Drug Targets, Ganzhou, Jiangxi Invited as Oral presentation

2024-**Lijun Di**, The function of CtBP in Cancer development, 6th Meeting of Inner Mongolia Biochemistry society. Baotou, Inner Mongolia Invited as Oral presentation

2024-**Lijun Di**, The function of CtBP in Cancer development, UM-Peking University Frontiers Science Center Joint Symposium. Macau Invited as Oral presentation

* **Services**

**Committee work:**

Member of Graduate Student Committee, FHS, UM

Member of Academic Committee, FHS, UM

Member of University of Macau Panel for Animal and Human Biological Specimens and Human Genetic Resources, UM

Member of Advisory committee of FHS animal facility, FHS, UM

**Reviewer Work:**

Journal Reviewer: IJBS, JOVR(associate editor) etc.

Funding Reviewer: NSFC Young, UM MYRG, Grant-HUST(华中科技大学), HK-General, Bathsyndrome foundation

PhD defense reviewer: HKU, UM,