

CURRICULUM VITAE

Yujiang Fang M. D., Ph. D.

Permanent residency-(Green Card in USA)

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Present job titles

Assistant Professor and Academic Pathologist 2013, 12-Present ((Department of Microbiology and Immunology. Des Moines University)

Education

Research Training

Post-Doctoral Training

2004, 8 to 2007, 8- Department of Internal Medicine and Department of Molecular Microbiology and Immunology, University of Missouri, Columbia The mechanism of autoimmune inflammation of the thyroid in mice (using the method of transgene and gene-knock out technique)

2003, 12 to 2004, 7- Molecular Microbiology and Immunology, University of Missouri, Columbia, Missouri AAV mediated dystrophin gene therapy in a mouse model of Duchenne muscular dystrophy

2002, 9 to 2003, 11- INSERM U36 – Pathologie Vasculaire et Endocrinologie Renale, College de France The Regulation of Expression ANGPTL-4 In Vitro(different renal cell lines RCC4, WT8, PRC3) and In Vivo Study (France, Paris). Mentor - Professor Piere Corvol.

Ph. D.1995, 7 to 2000, 7

National Medical Molecular Biology lab and pathology lab.

Completed dissertation entitled “The Expression and Significance of P-450c17,P-450scc,P-450c11 mRNA in Aldosterone Producing Adenomas in Patients” and received Ph. D degrees from Peking Union Medical College Hospital, Peking Union Medical College and Chinese Academy of Medical Sciences (Beijing, P.R. China)..

Clinical Training

Fellow and Chief Resident 1998, 12 ---1999, 7 Fellow and Chief resident of Peking Union Medical College Hospital, Peking Union Medical College and Chinese Academy of Medical Sciences, (Beijing, P.R. China). Participated in all kinds of operations of urology

Resident 1998, 3---1998, 12 Resident in Urology Department Peking Union Medical College Hospital Peking Union Medical College and Chinese Academy of Medical Sciences, (Beijing, P.R. China) participating in some kinds of operations of urology.

1996, 2 ---1996, 8 Clinical Resident in urology department of Peking Union Medical College Hospital, Peking Union Medical College and Chinese Academy of Medical Sciences, (Beijing ,P.R. China) participating in various surgical procedures in urology

1993, 7 ---1995, 7 Clinical Resident in surgery department of the third hospital of Peking University, participated in some kinds of operations of surgery department.

M.D. 1988, 7 to 1993, 7 Beijing Medical University, Beijing China.

Medical licensure

China, active, surgery (urology)

Professional appointments

Research Assistant Professor 2011, 1—2013, 12 (Department of Surgery, University of Missouri, Columbia)

Adjunct Assistant Professor 2012, 8-2013, 12 (Department of Biology, Westminster College, Missouri)

Adjunct Assistant Professor 2013, 6-2013, 12(Department of Biology, Columbia College, Missouri)

Research Assistant Professor 2010, 1—2010, 12 (Department of Internal Medicine, University of Missouri, Columbia)

Research Scientist 2007, 9—2009, 12 (Department of Internal Medicine, University of Missouri, Columbia)

Attending doctor, assistant professor (80-100 outpatients/week, 3-4 operations/week) 2003, 11--- 2003, 12 Clinical attending doctor in Urology Department of the third hospital of Peking University Participated in surgical procedures relevant to Urology (such as radical nephrectomy, cystectomy. transurethral resection of prostate or of bladder tumor).

Attending doctor, assistant professor (80-100 outpatients/week, 3-4 operations/week) 2000, 7--- 2002, 9 Clinical attending doctor in Urology Department of the third hospital of Peking University Participated in surgical procedures relevant to Urology (such as radical nephrectomy, cystectomy . transurethral resection of prostate or of bladder tumor).

Examiner or judge appointment

2001 committee member of surgery for Medical School Graduate Admission Examination of Peking University (Surgery) December, 10th, 2001

2002 Chinese Medical License Examination for Community and Family Medicine (Clinical Skill) Beijing, July, 5th, 2002

2008 judge in life sciences category, Undergraduate Research Forum of University of Missouri, 2008 (April, 28th, 2008)

2009 judge in life sciences category, Undergraduate Research Forum of University of Missouri, 2009 (April, 27th, 2009)

2010 judge in life sciences category, Undergraduate Research Forum of University of Missouri, 2009 (April, 26th, 2010)

2016 judge in Des Moines University Research Symposium (Dec 4th, 2016)

Mentorship

Alicia Duren (undergraduate turned technician, University of Missouri, 2005-2008)

Daniel Schnnur (technician, University of Missouri, 2007-2008)

Edward Downey (technician, University of Missouri, 2008-2010)

Joshua Duncan (undergraduate, University of Missouri, 2008-2009)

Timothy King (undergraduate, University of Missouri, 2008-2010)

Kyle Pearson (undergraduate, University of Missouri, 2008-2009)

Christo Papageogiou (Assistant Professor, University of Missouri, 2008-2009)

Alex Martin (undergraduate, University of Missouri, 2009-2010)

Sarah, Zaghouni (high school student, 2009)

Qian Bai (lab technician 2011-2014)

Elizabeth Herrick (undergraduate, 2011-2013)

Catherine Cook (undergraduate, 2011-2013)

Chelsea Ledgewood (undergraduate, 2011-2013)

Abdimalik Mohamud (undergraduate, 2012-2014)

Xuhui Chen (MD, visiting scholar, 2012-2015)

Chenlu Qin (MD, visiting scholar 2012-2014)

Peter Lampe (undergraduate, 2013-2014)

Mathew Davis (undergraduate, 2013-2014)

Parker Benton (undergraduate, 2013-2014)

Kinarri Patel (undergraduate, 2013-2014)

Ziwen Zhu (undergraduate, 2013-2015)

Hansen Dwayne (DO17, 2014-2015)

Kuanchang Lu (DO17, 2014-2015)
Chao Li (DO16, 2014-2015)
Joseph Berei (undergraduate, 2015-)
Andrew Schroeder (DO18, 2014-2015)
Kristoffer Davidson (DO18, 2014-)
Adam Embel (undergraduate, 2015-2016)
Julianne Abrigo (undergraduate, 2015-2016)
Mark Mannino (undergraduate, 2015)
Taylor Ball (undergraduate, 2015-2016)
Jacob Lee (undergraduate, 2015-)
Dylan Newcomer (undergraduate, 2015-)
Devon Cruzen (undergraduate, 2015-2016)
Dolan Collin (undergraduate, 2015-)
Kyla Szemplinski (undergraduate, 2015-2016)
Dixon Xu (DPM17, 2015-)
Jack Lin (DO19, 2015-)
Alyse Mantez (undergraduate, 2015-2016)
Haiqing Yu (PhD, postdoc 2015-2016)
Almedin Omerhodzic (undergraduate, 2015-2016)
Emily Smith (MSBS18 2015-2016)
Vivi Ding (MSBS 2015-2017)
Ted Stewart-Hester (DO20 2017-)
Peter Ann (DO20 2017-)
Andrew Ames (DO20 2017-)
Kevin Rudberg (undergraduate, 2016-)
Lucas Gatten (undergraduate, 2016-)

Committees served

Des Moines University COM Bylaw Committee (2016-)
Des Moines University COM Curriculum Committee (2015-)
Des Moines University Education Resources Committee (2015-)
Social Activity Committee member for immunology community in MU (2008-2013)
Medical Malpractice Committee, Urology in Beijing (2001-2003)
Urology Expert consulting Committee in China (2000-)

Teaching experience

2014-now Pathology and Renal Course (Med students, Physician Assistant Program students, Des Moines, IA)

2013 Fall Microbiology lecture and lab (Bio324 and Bio324L, 6 credit hours, Columbia College, Missouri)

2013 Summer Human Biology (Bio108, Columbia College, Missouri)

2013- SPRING: Biological processes lab (Bio115B and Bio115C, two labs 4 credit hours) Westminster College Missouri

2013- SPRING and Summer: Scientific enterprise (SCI205) William Woods University, Fulton Missouri (3 credit hours)

2012- FALL: Introduction of Human Biology (Bio 107, lecture+lab 4 credit hours) Westminster College Missouri

2011-now Biology lab University of Missouri.

2000-2002 Anatomy, Physiology, Microbiology, Immunology, pharmacology and Pathology for undergraduates in Medical School of Pekin University

2000-2002 Advanced Urinary Pathology for graduates in Medical School of Pekin University

2000-2002 Clinical Urology for graduates in Medical School of Pekin University

2000-2002 Clinical supervisor of residents in the department of Urology 3rd Hospital of Pekin University

2000-2002 “Advanced diagnosis and Treatment of Urogenital Diseases” for residents in the department of Urology 3rd Hospital of Pekin University

2000-2002 “Introduction of Urology” for undergraduates in Nursing School of Pekin University

2001-2002 “Course of American oral English” for adults in Evening University Beijing, China

1997-2002 “Easy English” for kids in 6th elementary school of Yanjiao, Heibei, China

2001-2002 “USMLE training lectures” for doctors in Shuca College, Beijing

Professional Affiliations

2010 to present regular member of **American Association of Immunologists**

2006 to present regular member of **American Society for Investigative Pathology**

1993 to present regular member of **Chinese Society of Urology**

1993 to present regular member of **Chinese Medical Association**

Awards and Honors

2014-2015 Basic Science Faculty of the Year (College of Podiatric Medicine and Surgery Medicine, Des Moines University)

2014-2015 Dean’s Award for Teaching Excellence (College of Osteopathic Medicine, Des Moines University)

2008 Life Sciences Week of University of Missouri 2008 Image winner (**1st place**) (Columbia, MO, USA)

2008 Junior Faculty Travel Grant by the American Association of Immunologists (Columbia, MO, USA)

2008 Helen Mullen Travel Awards (Columbia, MO, USA)

2007 -2008 Arthritis Foundation Research Fellowship awards ((\$40,000 Columbia, MO, USA)

2007 Helen Mullen Travel Awards (Columbia, MO, USA)

2006 Helen Mullen Travel Awards (Columbia, MO, USA)

2002-2003, L’Oreal research fellowship awards (Paris, France)

2001 Young expert in urology field of Beijing

2001 Young expert in urology field in Medical Centre of Beijing University

1995 - 2000 Annual excellent graduates in Peking Union Medical College

1993 - 1994 Annual excellent residents in 3rd Hospital of Beijing Medical University.

1988 - 1993 Annual excellent medical medical student of Beijing Medical University.

Editorial responsibilities:

Associate editor-in-chief: Advances in Biological Research (2008-)

European Journal of Biological Sciences (2009-)

Editor: Biomed Research Internation (2013-)

Jacobs Journal of Diabetes and Endocrinology (2015-)

Journal of Cancer Metastasis and Treatment (2015-)

Journal of Family Medicine and Disease Prevention (2015-)

International journal of Cancer Immunology and Immunotherapy (2015-)

Reviewer:

1. Journal of Leucocyte Biology (2016-)

2. Acta Pharmacologica Sinica (2005-)

3. Cancer Letters (2011-)

4. The Open Bioinformatics Journal (2011-)

5. Canadian Medical Association Journal (2010-)

6. Journal of Andrology (2010-)

7. Current Oncology (2010-)

8. Therapeutics and Clinical Risk Management (2010-)

9. The American Journal of Men’s Health (2010-)

10. **International Journal of General Medicine (2010-)**
11. **Journal of Medical Case Reports (2010-)**
12. **Chinese Medical Journal (English, 2010-)**
13. **Urology (2009-)**
14. **International Journal of Urology (2009-)**
15. **Journal of Reproductive Medicine (2009-)**
16. **Transplant Immunology (2008-)**
17. **Recent Patents on Endocrine, Metabolic & Immune Drug Discovery (2008-)**
18. **The Journal of Correctional Health Care (2008-)**
19. **Basic & Clinic Medicine (Chinese, 2001-)**

Grants:

International Expert for Grant Review for Belgium National Science Academy

International Expert for Grant Review for Poland National Science Academy

2016-2017 Iowa Science Foundation “The direct effect of IL-29 on proliferation, apoptosis and senescence of prostate cancer” (Funded \$ 3,000)

2015-2016 Grant from DMU “The effect of pomegranate extract on radiosensitivity of prostate cancer cells” (Funded \$13,912)

2015-2017 American Thyroid Association “Pomegranate extract as a radiosensitizer to thyroid medullary cancer and its molecular mechanisms” (not funded)

2014-2016 Grant from DMU “Expression of ST2 on pancreatic cancer” (Funded \$ 8,430)

2014 Iowa Science Foundation “The direct effect of IL-17 on growth of prostate cancer cells and its molecular mechanisms” (not funded)

2014-2016 American Thyroid Association “The effect of resveratrol on radioensitivity of thyroid cancer cells and its molecular mechanisms” (not funded)

2013 Grant from University of Missouri “The effect of IL-35 on growth of melanoma cancer cells and its molecular mechanisms” (Funded \$27,000)

2011 Grant from University of Missouri “The effect of resveratrol on radioensitivity of prostate cancer cells and its molecular mechanisms” (Funded \$30,000)

2010 -2011 Arthritis Foundation (Funded \$40,000)

2009 -2010 Arthritis Foundation (Funded \$40,000)

2009 American Thyroid Association: “Transgenic overexpression of FLIP on TEC promote apoptosis of CD4+ T cells activated in vitro” (not funded).

2008 -2009 Arthritis Foundation (Funded \$40,000)

Laboratory Skills

Certified: (1) animal care, (2) the safe handling of radioactive materials in research and clinical laboratories, and (3) safety in the laboratory and clinical environment

Animal surgery skills: Mouse breeding and animal (mouse rat rabbit dog) survival microsurgery and macrosurgery. Gene knock-in and knock-out mice phenotype screening techniques, small animal hemodynamics (open-chest and non-open-chest), mouse survival heart surgery, injection techniques

Molecular Biology: Microarray, PCRarray, DNA, RNA and protein isolation, purification and analysis (Southern, Northern, Western blotting, PCR, RT-PCR and Quantitative real-time PCR); gene cloning; genotyping; sequence, protein-protein or protein-DNA interaction analysis; gene promoter analysis, DNA methylation, ligation and transfection; adenovirus-inducible system and transgenic mice generation; extensive experiences of handling radioactive materials such as ³H, ¹⁴C and ³²P.

Cell Biology: Establishment and maintenance of cell lines including primary culture from normal and malignant mouse or human tissues. Cell proliferation and apoptosis assays, siRNA technique.

Pathology: Treatment of fresh tissue, frozen and paraffin section cutting skills, H&E and Trichrome staining, microdissection, in situ hybridization Confocal microscopy

Immunology: Immunohistochemistry, Flow cytometry, cell subset separation and purification. The production, purification and characterization of polyclonal and monoclonal antibodies. Labeling antibody with enzyme and fluorescein. ELISA.

Invited speech, presentation and medical teleconsultation

1998 “The long way to walk to be an excellent surgeon scientist” 2nd Hospital of Wannan Medical College, Anhui, China, October, 30th, 1998

1999 “effects of traditional Chinese medicine compounds HUAFO on erectile dysfunction,” (medical experts on hot line) Tianjin Radio Station, China. November, 12th, 1999

2000 “Study on the Significance of Cytochrome P-450c17-hydroxynase cDNA in the Differentiation between Adrenocortical Adenomas and Nodular Hyperplasia from Patients with Primary Aldosteronism”. 2000 The 5th Asian Congress on Urology, Beijing, China, August 25-30, 2000.

2001 “the experiences of using Proscar treating benign prostate hypertrophy” invited by Merck Pharmaceuticals China, Beijing, May 12th, 2001

2001 co-guest with Professor Meifu ZANG “The experiences of treating erectile dysfunction in male using traditional Chinese medicine extracts product HUAFO” Tianjin TV Station, China. June 7th, 2001.

2002 “the experiences of treating proctitis with minocin (minocycline)” invited by Wyeth Pharmaceuticals China, Beijing, March 6th, 2002

2002 “hematuria cause to be determined” teleconsultation invited by Dr. junxiong Wei. Jiangxi, China. August, 18th, 2002.

2004 “Angiopoietin-Like-4 (ANGPTL4): a key to open the door of renal cell carcinoma” invited by Dr. Zhang, Professor of University of Alabama at Birmingham. June 4th, 2004.

2005 Generation of FLIP transgenic mice Columbia, MO USA, Nov. 14th, 2005

2007 Interleukin-10 (IL-10) is involved in the resolution of granulomatous experimental autoimmune thyroiditis (G-EAT) Columbia, MO USA, Feb 6th, 2007

2007 Transgenic overexpression of anti-apoptotic FLIP on lymphocytes inhibits resolution of granulomatous experimental autoimmune thyroiditis (G-EAT) Columbia, MO USA, Dec 4th,

2008 IL-5, eosinophils and granulomatous experimental autoimmune thyroiditis Columbia, MO USA, May 29th, 2008

2008 Mechanisms of resolution and fibrosis of granulomatous experimental autoimmune thyroiditis St. Louis, MO USA, July 23th, 2008

2014 Grapes, Red Wine and Prostate Cancer Des Moines, IA, USA Sep 10th 2014

2014 NBPME Part I Item Writing/Item Review Workshop (Pathology) Arlington, Virginia Oct 12-14th, 2014

2015 IL-21 As A Radiosensitizer For Bladder Tumor, Beijing, China August 1st, 2015

2016 NBPME Part I Item Writing/Item Review Workshop (Pathology) Arlington, Virginia Jan 8-10th, 2016

2017 NBPME Part I Item Writing/Item Review Workshop (Pathology) Online Mar 29, 2017

2017 “My road from Urologist to Pathologist” Affiliated Hospital Xiannan University, Chenzhou, China, July 3rd, 2017

2017 “Tricks for medical manuscripts, a view of an editor” Chongqing, China July 9th, 2017

2017 “Cancer Clinics, Teaching and Research in USA” Qiqihar, China July 29th, 2017

2017 NBPME Part I Item Writing/Item Review Workshop (Pathology) Online Oct 25 2017

Publications

1. **Fang Y.** The adrenal. *Clinical Endocrinologic Surgery*. 1999, 257-314 (Book).
2. **Fang Y, Zang M., Chen S., Di X.** The expression of cytochrome P-450c_{17α}-hydroxylase mRNA in adrenocortical adenomas and hyperplasia from patients with primary aldosteronism. *Basic Medical Sciences and Clinics* (present journal name: Basic & Clinic Medicine), 2000, 20: 30-33.

3. **Fang Y.** Urologic laparoscopy. *21st Century Urologic Operation Diagram*. 2001, 618-630 (Book).
4. **Fang Y,** Chen Z, Ma L. Clinical and pathological study of adrenal ganglioneuroma. *Basic Medical Sciences and Clinics* (present journal name: Basic & Clinic Medicine) 2001, 21: 566-568
5. Ma L, Huang Y, **Fang Y,** Jiang H, Song S, Hou X, Yuan J. Laparoscopic adrenalectomy: a report of 8 cases. *Chinese Journal of Minimally Invasive Surgery*. 2002, 2(3): 140.
6. Wei J, **Fang Y,** Chen Z, Zhuang S, Chen J. The Diagnosis and Treatment of Familial Pheochromocytoma (Five Cases Report). *Acta Academiae Medicinae Jiangxi*. 2002, 42: 68-70
7. **Fang Y.** The application of laser on urological diseases. *Modern Practical Laser Medicine*. 2006, 361-376 (book).
8. **Fang Y,** Wei Y, DeMarco V, Chen K, Sharp GC, Braley-Mullen H. Murine FLIP transgene expressed on thyroid epithelial cells promotes resolution of granulomatous experimental autoimmune thyroiditis in DBA/1 mice. *The American Journal of Pathology*. 2007, 170: 875-887.
9. **Fang Y,** Yu S, Braley-Mullen H. Contrasting roles of IFN- γ in murine models of autoimmune thyroid diseases. *Thyroid* 2007, 17: 989-994. **(Invited reviews)**
10. **Fang Y,** DeMarco V, Sharp GC, Braley-Mullen H. Expression of transgenic FLIP on thyroid epithelial cells inhibits induction and promotes resolution of granulomatous experimental autoimmune thyroiditis in CBA/J mice. *Endocrinology* 2007, 148: 5734-5745.
11. **Fang Y,** Sharp GC, Braley-Mullen H. Interleukin-10 promotes resolution of granulomatous experimental autoimmune thyroiditis. *The American Journal of Pathology*. 2008, 172: 1591-1602 **(Co-corresponding author)**.
12. **Fang Y,** Braley-Mullen H. Cultured murine thyroid epithelial cells expressing transgenic FLIP are protected from Fas-mediated apoptosis. *Endocrinology* 2008, 149: 3321-3329 **(Co-corresponding author)**.
13. **Fang Y,** Sharp GC, Yagita H, Braley-Mullen H. A critical role for TRAIL in resolution of granulomatous experimental autoimmune thyroiditis. *The Journal of Pathology*. 2008, 216: 505-513 **(Co-corresponding author)**.
14. Shi BB, Li HZ, Zhao L, Sun Q, Fan H, Li HJ, Li YQ, **Fang Y.** Paraneoplastic pemphigus caused by Castleman's Disease masquerading as an adrenal neoplasm. *The Journal of Clinical Endocrinology and Metabolism*. 2009, 94: 1841-1842.
15. **Fang Y,** Zhao L, Yan F, Xia X, Xu D, Cui X. Escin improves sperm quality in male patients with varicocele-associated infertility. *Phytomedicine* 2010, 17:192-196 **(corresponding author)**.
16. **Fang Y,** Chen K, Jackson D, Sharp GC, Braley-Mullen H. Eosinophil infiltrate thyroids, but have no apparent role in induction or resolution of experimental autoimmune thyroiditis in IFN- γ -/- mice. *Immunology* 2010, 129:329-337 **(Co-corresponding author)**.
17. **Fang Y,** Zhao L, Yan F. Chemokines as novel therapeutic targets in autoimmune thyroiditis. *Recent Patents on DNA & gene sequence* 2010, 4: 52-57. **((Invited reviews, corresponding author)**.
18. **Fang Y,** Zhao L, Yan F, Xia Y, Cui X, Duren A. A critical role of surgery in the treatment for paraneoplastic pemphigus caused by Castleman's Disease. *Medical Oncology* 2010, 27: 907-911**(corresponding author)**.
19. **Fang Y,** Zhao L, Yan F, Zang M., Chen S, Di X, Duren A. A dispensable role for *P*-450_{sec} in the overproduction of aldosterone in aldosterone-producing adenomas and nodular hyperplasia in patients with primary aldosteronism. *Pathology and Oncology Research*, 2010, 16: 589-592. **(corresponding author)**.

20. **Fang Y**, Yu S, Ellis J, Sharav T, Braley-Mullen H. Comparison of sensitivity of Th1, Th2 and Th17 cells to Fas-mediated apoptosis. *The Journal of Leucocyte Biology*. 2010, 84: 1019-1028 (**JOURNAL COVER**)
21. Yu S, **Fang Y** Sharp GC, Braley-Mullen H. Transgenic expression of TGF- β on thyrocytes inhibits development of spontaneous autoimmune thyroiditis and increases T regulatory cells in thyroids of NOD. H-2h4 mice *The Journal of Immunology*. 2010, 184: 5352-5359.
22. **Fang Y**, Zhao L, Parker CA, Yan F, Zhang C. Modulation of apoptosis: new opportunities for drug discovery to treat autoimmune thyroiditis. *Recent Patents on Inflammation & Allergy Drug Discovery*. 2010, 4:255-260 (**Invited reviews, corresponding author**).
23. Yu S, **Fang Y**, Sharav T, Sharp GC, Braley-Mullen H. CD8+ T cells induce thyroid epithelial cell hyperplasia and fibrosis *The Journal of Immunology* 2011, 186:2655-2662.
24. **Fang Y**, Zhao L, Yan F, Cui X, Zhou F. Strategy for treating simple testicular cyst in adults. *The American Journal of Men's Health*. 2011, 5:193-197(**corresponding author**).
25. **Fang Y**, Zhao L, Chen S, Cui X, Zang M., Chen S, Di X. Expression of P-450_{c11 β} in adrenal aldosterone-producing adenomas and nodular hyperplasia tissues *Clinical Laboratory* 2011, 57:245-251. (**corresponding author**).
26. **Fang Y**, Nicholl MB. SIRT1 and tumorigenesis: foes or friends? *Cancer Letters* 2011, 306:10-14. (**co-corresponding author**).
27. Xia X, Fan L, Xia X, **Fang Y**. Uterine rupture during pregnancy *Clinical and Experimental Obstetrics and Gynecology* 2011, 38:286-287
28. **Fang Y**, Sharp GC, Braley-Mullen H. Effect of transgenic overexpression of anti-apoptotic FLIP on resolution of experimental autoimmune thyroiditis. *The American Journal of Pathology* 2011, 179:1211-1220. (**co-corresponding author**).
29. **Fang Y**. Editorial Comment from Dr. Fang to Increased expression of CYP17 and CYP11B1 in subclinical Cushing's syndrome due to adrenal adenomas *Internaltional Journal of Urology* 2011, 18:697-699
30. **Fang Y**, Yu S, Braley-Mullen H. TGF- β promotes proliferation of thyroid epithelial cells by downregulation of P21 and P27 via AKT pathway in IFN- γ -/- mice *The American Journal of Pathology* 2012, 180:650-660 (**co-corresponding author**).
31. **Fang Y**, Shi B, Wang Y. An adrenal mass and ulcerating skin rash. *Diagnostic Dilemmas: Images in endocrinology 2011,10-12(book, Editor: Leonard Wartofsky)*
32. **Fang Y**, Herrick EJ, Nicholl MB. A possible role for perforin and granzyme B in resveratrol enhanced radiosensitivity of prostate cancer. *Journal of Andrology* 2012;33:752-760 (**co-corresponding author**)
33. Cui X, Zhao L, Chen S, Guan T, Herrick EJ, Shi B, Zang M, Chen S, **Fang Y**. A potential role for CPY17 as a parameter in differentiation between aldosterone-producing adenoma and nodular hyperplasia in patients with hyperaldosteronism. *Urology* 2012, 79;1410.e15-9
34. **Fang Y**, DeMarco VG, Nicholl MB. Resveratrol enhances radiation sensitivity in prostate cancer by inhibiting cell proliferation and promoting cell senescence and apoptosis. *Cancer Science* 2012, 103:1090-8. (**co-corresponding author**)
35. Shi BB, Chen C, Li HZ, Rong S, Huang ZM, Fan H, Wen J, Ji ZG, **Fang Y**. Correlation between Surgical Modality and Clinicopathologic Characteristics for Ureteral Transitional Cell Carcinoma *Clinical and Translational Oncology* 2012, 14:321-316

36. **Fang Y.** Editorial Comment from Dr Fang to Polymorphic variation of CYP11B2 predicts postoperative resolution of hypertension in patients undergoing adrenalectomy for aldosterone-producing adenomas. *Int J Urol.* 2012;19:821-822 (Corresponding author)
37. **Fang Y,** Moore BJ, Cook KM, Herrick EJ, Nicholl MB. A potential role for resveratrol as a radiation sensitizer for melanoma treatment. *Journal of Surgical Research*, 2013 183:645-53(co-corresponding author).
38. Kayes T, **Fang Y,** Yu S, Downey E, Wang S, Braley-Mullen H. Agonistic anti-CD40 induces thyrocyte proliferation and promotes thyroid autoimmunity by increasing CD40 expression on thyroid epithelial cells *Journal of Immunology*, 2013, 190:3928-38.
39. **Fang Y,** Moore BJ, Q Bai, Cook KM, Herrick EJ, Nicholl MB. Hydrogen peroxide enhances radiation induced apoptosis and inhibition of proliferation in melanoma cells *Anticancer Research* 2013, 33:1799-807 (co-corresponding author).
40. **Fang Y,** Nicholl MB. A dual role for Sirtuin 1 in tumorigenesis. *Current Pharmaceutical Design Curr Pharm Des.* 2014;20:2634-6 (co-corresponding author).
41. Nicholl MB, Ledgewood CL, Chen X, Bai Q, Qin C, Cook KM, Herrick EJ, Diaz-Arias A, Moore BJ. **Fang Y.** IL-35 promotes pancreas cancer growth through enhancement of proliferation and inhibition of apoptosis: evidence for a role as an autocrine growth factor. *Cytokine.* 2014;70:126-33
42. Qin C, Chen X, Bai Q, Davis MR, **Fang Y.** Factors associated with radiosensitivity of cervical cancer. *Anticancer Res.* 2014;34:4649-56.
43. Davis MR, Zhu Z, Hansen DM, Bai Q, **Fang Y.** The role of IL-21 in immunity and cancer. *Cancer Lett.* 2015;358:107-14
44. Wang QH, Ji ZG, Chen ZG, Li HZ, Fan H, Fan XR, Shi BB, **Fang Y.** Serum CA 19-9 as a good prognostic biomarker in patients with bladder cancer. *Int J Surg.* 2015;15C:113-6.
45. **Fang Y,** Chen X, Bai Q, Qin C, Mohamud AO, Zhu Z, Ball TW, Ruth CM, Newcomer DR, Herrick EJ, Nicholl MB. IL-9 inhibits HTB-72 melanoma cell growth through upregulation of p21 and TRAIL *J Surg Oncol.* 2015;111:969-74
46. Mannino MH, Zhu Z, Xiao H, Bai Q, Wakefield MR, **Fang Y.** The paradoxical role of IL-10 in immunity and cancer. *Cancer Lett.* 2015;367:103-7
47. Wang QH, Ji ZG, Li HZ, Fan H, Chen ZG, Shi BB, **Fang Y.** Clinicopathologic Comparison of Urothelial Bladder Carcinoma in Young and Elder Patients. *Pathol Oncol Res.* 2016 Jan;22(1):67-70
48. Xu DH, Zhu Z, Wakefield MR, Xiao H, Bai Q, **Fang Y.** The role of IL-11 in immunity and cancer. *Cancer Lett.* 2016;373:156-63.
49. Davidson KT, Zhu Z, **Fang Y.** Phytochemicals in the Fight Against Cancer. *Pathol Oncol Res.* 2016;22:655-60.
50. Chen Z, Ji Z, Wang Q, Shi B, Shou C, Liu C, Fan H, Li H, Davidson KT, Wakefield MR, Ball TW, **Fang Y.** Expression of γ -Synuclein in Bladder Carcinoma: A Possible Marker for Prognosis. *Anticancer Res.* 2016;36:951-6.
51. Qin C, Luo G, Du M, Liao S, Wang C, Xu K, Tang J, Li B, Zhang J, Pan H, Ball TW, **Fang Y.** The clinical application of laparoscope-assisted peritoneal

- vaginoplasty for the treatment of congenital absence of vagina. *Int J Gynaecol Obstet.* 2016;133:320-4.
52. Nicholl MB, Chen X, Qin C, Bai Q, Zhu Z, Davis MR, **Fang Y.** IL-32 α has differential effects on proliferation and apoptosis of human melanoma cell lines. *J Surg Oncol.* 2016;113:364-9.
 53. Ciornei RT, Hong SH, **Fang Y,** Zhu Z, Braley-Mullen H. Mechanisms and kinetics of proliferation and fibrosis development in a mouse model of thyrocyte hyperplasia. *Cell Immunol.* 2016;304-305:16-26.
 54. Ding VA, Zhu Z, Xiao H, Wakefield MR, Bai Q, **Fang Y.** The role of IL-37 in cancer. *Med Oncol.* 2016;33:68
 55. Zhu Z, Davidson KT, Brittingham A, Wakefield MR, Bai Q, Xiao H, **Fang Y.** *Trichomonas vaginalis*: a possible foe to prostate cancer. *Med Oncol.* 2016;33:115.
 56. Kelm NE, Zhu Z, Ding VA, Xiao H, Wakefield MR, Bai Q, **Fang Y.** The role of IL-29 in immunity and cancer. *Crit Rev Oncol Hematol.* 2016;106:91-8.
 57. **Fang Y,** Zhao L, Xiao H, Cook KM, Bai Q, Herrick EJ, Chen X, Qin C, Zhu Z, Wakefield MR, Nicholl MB. IL-33 acts as a foe to MIA PaCa-2 pancreatic cancer. *Med Oncol.* 2017;34(2):23.
 58. Zhao L, Li H, Zhu Z, Wakefield MR, **Fang Y,** Ye Y. Genomic sequencing of a strain of *Acinetobacter baumannii* and potential mechanisms to antibiotics resistance. *Infect Genet Evol.* 2017;50:20-24. (co-corresponding author)
 59. Xu DH, Zhu Z, Xiao H, Wakefield MR, Bai Q, Nicholl MB, Ding VA, **Fang Y.** Unveil the mysterious mask of cytokine-based immunotherapy for melanoma. *Cancer Lett.* 2017;394:43-51.
 60. Lin J, Zhu Z, Xiao H, Wakefield MR, Ding VA, Bai Q, **Fang Y.** The role of IL-7 in immunity and cancer. *Anticancer Res.* 2017;37:963-967.
 61. Li H, Bai G, Zhang X, Shi B, Liu D, Jiang H, Ji Z, Davis MR, Zhu Z, **Fang Y.** Effects of two different dosages of sildenafil on patients with erectile dysfunction. *Am J Mens Health.* 2017;11:525-530.
 62. Ding VA, Zhu Z, Mantz AA, Xiao H, Wakefield MR, Bai Q, **Fang Y.** The Role of IL-37 in Non-Cancerous Diseases. *Pathol Oncol Res.* 2017;23:463-470
 63. Xu DH, Zhu Z, **Fang Y.** The effect of a common antibiotics doxycycline on non-healing chronic wound. *Curr Pharm Biotechnol.* 2017;18(5):360-364.
 64. Davidson KT, Zhu Z, Bai Q, Xiao H, Wakefield MR, **Fang Y.** Blueberry as a Potential Radiosensitizer for Treating Cervical Cancer. *Pathol Oncol Res.* 2017 Sep 30. doi: 10.1007/s12253-017-0319-y. [Epub ahead of print]
 65. Schroeder AC, Xiao H, Zhu Z, Li Q, Bai Q, Wakefield MR, Mann JD, **Fang Y.** A Potential Role for Green Tea as a Radiation Sensitizer for Prostate Cancer. *Pathol Oncol Res.* 2017 Nov 3. doi: 10.1007/s12253-017-0358-4. [Epub ahead of print]
 66. Ding VA, Zhu Z, Steele TA, Wakefield MR, Xiao H, Balabanov D, **Fang Y.** The novel role of IL-37 in prostate cancer: evidence as a promising radiosensitizer. *Med Oncol.* 2017 Dec 5;35(1):6.
 67. Davidson KT, Zhu Z, Balabanov D, Zhao L, Wakefield MR, Bai Q, **Fang Y.** Beyond Conventional Medicine - a Look at Blueberry, a Cancer-Fighting Superfruit. *Pathol Oncol Res.* 2017 Dec 28. doi: 10.1007/s12253-017-0376-2. [Epub ahead of print]

Abstracts

1. **2000 Fang Y.** “Study on the Significance of Cytochrome P-450c17-hydroxynase cDNA in the Differentiation between Adrenocortical Adenomas and Nodular Hyperplasia from Patients with Primary Aldosteronism”. **The 5th Asian Congress on Urology**, Beijing, China, August 25-30, 2000.
2. **2003 Mekid H., Le Jan S., Bardier A., Fang Y., Philippe J., Corvol P., Monnot C., Germain S.** Angiopoietin-like4 et tumorigénèse. **COLLEGE DE FRANCE Journée de Institut de Biologie et de Institut Fédératif de Recherche 5** Mardi 23 Septembre 2003
3. **2004 Yue Y, Skimming J, Liu M, Fang Y, Straws T, Duan D.** Expressing full-length dystrophin in 50% cardiomyocytes corrects cardiomyopathy in the Mdx mouse model of Duchenne Muscular Dystrophy 2004, **Mol Ther** 9: S95
4. **2006 Fang Y, Braley-Mullen H. 93th American Association of Immunologists Annual Meeting.** Murine FLIP transgene expressed on thyroid epithelial cells promotes resolution of granulomatous experimental autoimmune thyroiditis.
5. **2007 Fang Y, Braley-Mullen H. 94th American Association of Immunologists Annual Meeting.** Expression of transgenic FLIP on thyroid epithelial cells in CBA/J mice inhibits induction and promotes resolution of granulomatous experimental autoimmune thyroiditis. *J. Immunol.*, Apr 2007 178: 129.17.
6. **2008 Fang Y, Braley-Mullen H. 95th American Association of Immunologists Annual Meeting.** Transgenic overexpression of anti-apoptotic FLIP on lymphocytes inhibits resolution of granulomatous experimental autoimmune thyroiditis (G-EAT). *The FASEB Journal* 2008 22:669.11
7. **2009 Fang Y. Yu S., Braley-Mullen H. 96th American Association of Immunologists Annual Meeting.** Differential sensitivity of Th1, Th2 and Th17 cells to Fas-mediated apoptosis. *J. Immunol.*, 2009 182: 47.15.
8. **2010 Fang Y, Braley-Mullen H. 97th American Association of Immunologists Annual Meeting.** IFN- γ -/- inhibits and TGF- β promotes thyrocyte hyperplasia and proliferation (TEC H/P) by modulating pro- and anti-proliferative molecules.
9. **2012 Fang Y, Herrick EJ, Nicholl MB. 65th Society of Surgical Oncology Annual Meeting.** IL-17 promotes tumor cell growth despite of its pro-apoptotic effect on SK-MEL-5 melanoma cells.
10. **2012 Fang Y, Herrick EJ, Nicholl MB. 65th Society of Surgical Oncology Annual Meeting.** IL-27 inhibits proliferation and promotes apoptosis of SK-MEL-5 cells
11. **2012 Fang Y, Herrick EJ, Nicholl MB. 65th Society of Surgical Oncology Annual Meeting.** The Potential Role of RSV as A Radiation Sensitizer for Melanoma Treatment
12. **2012 Fang Y, Herrick EJ, Cook, KM, Nicholl MB.** Anti-tumor effects of IL-33 by inhibition of proliferation and induction of apoptosis of pancreatic cancer cells. **53th Annual Meeting of the Society of Surgery of the Alimentary Tract.**
13. **2012 Fang Y, Herrick EJ, Nicholl M.** IL-35 enhances tumor cell growth by promoting proliferation and inhibiting apoptosis of pancreatic cancer cells. **53th Annual Meeting of the Society of Surgery of the Alimentary Tract.**
14. **2013 Fang Y, Cook, KM, Bai Q, Herrick EJ, Nicholl MB** IL-35 promotes melanoma growth by promoting proliferation and inhibiting apoptosis. **66th Society of Surgical Oncology Annual Meeting.**

15. **2014** Lu K, Zhu Z, Bai Q, Davis MR, Hansen DM, Nicholl MB, **Fang Y**: IL-33 inhibits Proliferation and Promotes Apoptosis of colon Cancer Cells DMU 2014 Summer Research Poster
16. **2014** Hansen DM, Davis MR, Zhu Z, Qin C, Bai Q, Parker BN, Chen X, Nicholl MB, **Fang Y**: IL-33 promotes Proliferation and Inhibits Apoptosis of Ovarian Cancer Cells. DMU 2014 Summer Research Poster
17. **2014** Davis MR, Zhu Z, Bai Q, Hansen DM, Nicholl MB, **Fang Y**: Combination of IL-21 with Radiation Enhances Antitumor Effect in Bladder Cancer Cells: A Novel Role for Cytokines as Potential Radiosensitizers DMU 2014 Summer Research Poster
18. **2015** Davidson KT, Zhu Z, Ball TW, Bai Q, Yu H, Schroeder AC, Ebel AC, Lin J, Abrigo JB, Wakefield MR, **Fang Y**: Blueberry as a promising radiosensitizer for treating cervical cancer DMU 2015 Summer Research Poster
19. **2015** Schroeder AC, Zhu Z, Bai Q, Yu H, Davidson KT, Lin J, Ebel A, Abrigo J, Wakefield MR, **Fang Y**. A potential role for green tea as a radiation sensitizer for treatment of prostate cancer DMU 2015 Research Symposium
20. **2016** Hardy TL, Zhu Z, Bai Q, Buchanan RC, Ding VA, Wakefield MR, **Fang Y** IL-37 is a foe to Pancreatic Cancer DMU 2016 Research Symposium
21. **2016** Kelm NE, Zhu Z, Xiao H, Bai Q, Buchanan RC, Ding VA, Wakefield MR, **Fang Y** IL-29 Exhibits Protumor Effect on Pancreatic Cancer by Upregulation of Cyclin B and Survivin DMU 2016 Research Symposium
22. **2017** Stewart-Hester TW, Xiao H, Zhu Z, Bai Q, Buchanan RC, Tonner HM, Dominguez AG, Ding VA, Wakefield MR, **Fang Y**. IL-31 exerts a powerful anti-tumor effect against bladder cancer 2017 Summer Research Poster
23. **2017** Gatten LD, Zhu Z, Xiao H, Rudberg KN, Bai Q, Buchanan RC, Caruso NP, Tonner HM, Dominguez AG, Englander NJ, Ahmed FS, Ding VA, Stewart-Hester TW, Wakefield MR, **Fang Y**. Pumpkin: a potentially beneficial vegetable for patients with lung cancer
24. **2017** Stewart-Hester TW, Xiao H, Zhu Z, Bai Q, Redington C, Chan JW, Hunzeker ZE, Ding VA, Wakefield MR, **Fang Y**. The differential effect of IL-39 on two different prostate cancer cell lines. DMU 2017 Research Symposium
25. **2017** Balabnov D, Zhu Z, Xiao H, Hunzeker ZE, Tonner HM, Ding VA, Wakefield MR, Bai Q, Stewart-Hester TW, Chan JW, **Fang Y**. IL-29 Exhibits anti-Tumor Effects on Pan-48 Pancreatic Cancer by Upregulation of P21 and Bax DMU 2017 Research Symposium
26. **2017** Manning AA, Zhu Z, Xiao H, Ding VA, Stewart-Hester TW, Bai Q, Joseph Schmidt J, Caruso NP, Dunlap J, Tlapec BG, Dominguez AG, Wakefield MR, **Fang Y**. IL-39 acts as a friend to pancreatic cancer DMU 2017 Research Symposium
27. **2017** Ames A, Xiao H, Zhu Z, England NJ, Dominguez AG, Wakefield MR, Bai Q, Ding VA, Stewart-Hester TW, **Fang Y**. Pineapple extract has little effect on the growth of lung cancer cells although it inhibits growth of normal bronchial epithelials DMU 2017 Research Symposium

Language ability

CHINESE mother language

ENGLISH fluent in speaking, reading, writing, and listening Many years of experiences of Certified Medical Interpreter (University of Missouri) and years of teaching experiences in USA.

FRENCH good in listening, speaking, reading and writing skills (Trained in Paris by French Government and French language level certified)