

CURRICULUM VITAE

DATE: April. 1, 2019

NAME: Jie-Gen Jiang

PRESENT TITLE: Assistant Professor

OFFICE ADDRESS: Department of Pathology, Immunology & Laboratory Medicine, Rutgers New Jersey Medical School, Medical Science Building UH C-101, 185 South Orange Avenue, Newark, NJ 07103-1709

TELEPHONE NUMBER/E-MAIL ADDRESS: 973-972-2236, jj688@njms.rutgers.edu

CITIZENSHIP: USA

EDUCATION:

- A. Undergraduate Graduate and Professional
Southern Medical University
Guangzhou, China
MD 06/1985

- B. Graduate and Professional
Institute of Microbiology and Epidemiology
Beijing, China
MS in Medical Microbiology and Immunology 06/1988

University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania
PhD in Cellular and Molecular Pathology 12/1997

POSTGRADUATE TRAINING:

- A. Internship and Residencies
Case Western Reserve University, Cleveland, Ohio
Pathology
07/2000-06/2003

Columbia University, New York, New York
Hematology (Pathology) and Pathology
07/2003-08/2005

- B. Research Fellowships
None

- C. Postdoctoral Appointments
University of Pittsburgh
Pathology
11/1997-06/1999

MILITARY: None

ACADEMIC APPOINTMENTS:

Department of Bacteriology
Institute of Microbiology and Epidemiology, Beijing
Assistant Investigator
8/1988-7/1993

Department of Pathology
University of Pittsburgh, School of Medicine
Research Assistant Professor
07/1999-06/2000

Department of Pathology, Immunology & Laboratory Medicine,
Rutgers New Jersey Medical School
Assistant Professor
03/2018-Present

HOSPITAL APPOINTMENTS:

Department of Pathology
CentraState Medical Center, Freehold, NJ
Attending Physician
09/2005-02/2008

Department of Pathology
Genoptix Medical Laboratory
Senior Pathologist
03/2008-03/2018

Department of Pathology
University Hospital, Newark, NJ
Pathologist
03/2018-present

Department of Pathology
East Orange General Hospital, East Orange, NJ
Pathologist
02/2019-present

Department of Pathology
Newark Beth Israel Medical Center, Newark, NJ
Pathologist
02/2019-present

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS: None

PRIVATE PRACTICE: None

LICENSURE: New Jersey/25MA07951400/June 30, 2021

DRUG LICENSURE:

CDS: None
DEA: None

CERTIFICATION:

1. Pathology (AP/CP)/Permanent/issued on 11/18/2005
2. Hematology (Pathology). Expiration date: 12/2028

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

College of American Pathologists, Fellow, 07/2000-Present
American Society of Clinical Pathology, Member, 07/2005-Present
San Diego Society of Hematopathology, Member, 07/2013-06/2017
USCAP, Member, 01/2019-Present

HONORS AND AWARDS:

PhD graduated with honors on dissertation, University of Pittsburgh School of Medicine, 12/1997
Research Assistantship, University of Pittsburgh School of Medicine, 07/1994-06/1997
Dean's fellowship, University of Pittsburgh School of Medicine, 08/1993-06/1994
The 2nd class prize of health science, Ministry of Health of China, 10/1994

BOARDS OF DIRECTORS/TRUSTEES POSITIONS:

1. Member of Board Directors, San Diego Society of Hematopathology, San Diego, California
07/2013-06/2016

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

None

SERVICE ON MAJOR COMMITTEES:

- A. International (None)
- B. National (None)
- C. Medical School/University (None)
- D. Hospital:
 1. Tumor Board, CentraState Medical Center, 09/2005-02/2013
 2. Infection Control Committee, University Hospital, Newark, 05/2018-Present
 3. Medical Records Committee, University Hospital, Newark, 01/2019-Present
- E. Department
 1. Best Practice, Genoptix Medical Laboratory, Carlsbad, California, 1/2013-01/2015
 2. Coordinator for Residency Training in Clinical Pathology, Rutgers NJMS, 05/2018-Present
- F. Editorial Boards
 1. Hematopathology (www.hematopath.org), 2018-present
- G. AdHoc Reviewer
 1. Hematopathology, 2018-present

SERVICE ON GRADUATE SCHOOL COMMITTEES: None**SERVICE ON HOSPITAL COMMITTEES:**

1. Tumor Board, CentraState Medical Center, 09/2005-02/2013
2. Infection Control Committee, University Hospital, Newark, 05/2018-Present
3. Medical Records Committee, University Hospital, Newark, 01/2019-Present

SERVICE TO THE COMMUNITY: None**SPONSORSHIP (Primary Mentorship) OF CANDIDATES FOR POSTGRADUATE DEGREE:**

None

SPONSORSHIP (Primary Mentorship) OF POSTDOCTORAL FELLOWS: None**TEACHING RESPONSIBILITIES:** (Teaching effectiveness should be addressed in nominating letter)

- A. Lectures or Course Directorships
 1. Hematopathology, didactic lectures for pathology residents, 03/2018-present
- B. Research Training (other than Primary Mentorship)

Post Doctoral Fellows:

 - Zhiwei Yin, Pathology Resident, 2018-present
 - Khalid Algarrahi, Pathology Resident, 2018
 - Nawar Matti, Pathology Resident, 2018-2019
 - Ruifang Zheng, Pathology Resident, 2018-2019
 - Albert Alhatem, Pathology Resident, 2018-present

Pre Doctoral Students: None

CLINICAL RESPONSIBILITIES:

1. Hematology and Hematopathology
2. Molecular Pathology
3. Microbiology
4. Cytogenetics (FISH)

GRANT SUPPORT:

- A. Principal Investigator
 1. National Natural Science Foundation of China for Young Scholars, Enterotoxin Gene Probes of *Staphylococcal aureus*, 1/1990-12/1992
- B. Co-Investigator
 1. National Natural Science Foundation of China, Molecular Mechanism of PHLPP2 to Control the Development of B[a]P/BPDE-Induced Lung Cancer (#81573110), 1/2016-12/2018
 2. National Natural Science Foundation of China, Enterotoxin Genes A to E of *Staphylococcal aureus*, 1/1991-12/1993
- C. Pending
 1. None

PUBLICATIONS: (Please list in chronological order; published or accepted for publication only; should be segregated into the following categories)

- A. Refereed Original Article in Journal
 1. **Jiang, J.**, Lei, Z., and Zheng, Y. Gene expression of Staphylococcal enterotoxin C1 (SEC1) in *E. coli*. *Chinese Journal of Epidemiology* 1992;6(Suppl.6):85-87.
 2. **Jiang, J.**, Lei, Z., and Zheng, Y. Gene cloning of Staphylococcal enterotoxin C1 (SEC1) in *E. coli*. *Recent Advances in Toxicology Research* 1992;3:464-467.
 3. Song, Z., Lei, Z., Zheng, Y., and **Jiang, J.** In situ hybridization with SEC1 gene probe labeled with biotin for detection of enterotoxigenic *Staphylococcal aureus*. *Chinese Journal of Epidemiology* 1992;13(Suppl.2):110-112
 4. **Jiang, J.**, and Li, L. Detection of the plasmids in *Pseudomonas pseudomallei*. *Chinese Journal of Epidemiology* 1992;13 (Suppl.2):452-453
 5. Lei, Z., Zheng, Y., and **Jiang, J.** Enterotoxin gene probe labeled with biotin for detection of enterotoxigenic *Staphylococcal aureus*. *Chinese Journal of Epidemiology* 1992;13(Suppl.2):64-67
 6. Lei, Z., **Jiang, J.**, and Zheng, Y. Comparison of PCR-RPHA and RPHA on detection of food-borne *Staphylococcal aureus*. *Chinese Journal of Epidemiology* 1993;14(Suppl.11):183-185
 7. Song, X., Lei, Z., Zheng, Y., and **Jiang, J.** Rapid latex agglutination test for detection of *Staphylococcal* enterotoxins. *Chinese Journal of Public Health* 1993;12(2):111-113
 8. Lei, Z., Zheng, Y., **Jiang, J.**, Song, X., and Li, C. Enterotoxin C1 gene probe labeled with biotin for detection of enterotoxigenic *Staphylococcal aureus*. *Chinese Journal of Preventive medicine* 1993;27(2):105-107
 9. Lei, Z., Zheng, Y., **Jiang, J.** Rapid detection of enterotoxin genes A to E of *Staphylococcal aureus* by PCR. *Chinese Journal of Microbiology and Immunology* 1997;17(5):402-403
 10. **Jiang, J.**, and Zarnegar, R. A novel transcriptional regulatory region within the core promoter of the hepatocyte growth factor gene is responsible for its inducibility by cytokines via the C/EBP family of transcription factors. *Molecular and Cellular Biology* 1997;17:5758-5770
 11. **Jiang, J.**, Chen, Q., Bell, A., and Zarnegar, R. Transcriptional regulation of the hepatocyte growth factor gene by Sp family of transcription factors. *Oncogene* 1997;14:3039-3049

12. **Jiang, J.**, Bell, A., Liu, Y., and Zarnegar, R. Transcriptional regulation of the hepatocyte growth factor gene by the nuclear receptors chicken ovalbumin upstream promoter transcription factor and estrogen receptor. *Journal of Biological Chemistry* 1997;272:3928-3934
13. *Bell, A., ***Jiang, J.**, Liu, Y., Chen, Q., and Zarnegar, R. The upstream regulatory regions of the hepatocyte growth factor gene promoter are essential for its expression in transgenic mice. *Journal of Biological Chemistry* 1998;273: 6900-6908 (*co-first author)
14. **Jiang, J.**, Gao, B., and Zarnegar, R. The concerted regulatory functions of the transcription factor nuclear factor-1 and upstream stimulatory factor on a composite element in the promoter of the hepatocyte growth factor gene. *Oncogene* 2000;19:2786-2790
15. **Jiang, J.**, DeFrances, MC., Machen, J., Johnson, C., and Zarnegar, R. Repressive function of AP2 on the hepatocyte growth factor gene promoter. *Biochem Biophys Res Commun* 2000;272:882-886
16. **Jiang, J.**, Johnson, C., and Zarnegar, R. PPAR mediated transcriptional upregulation of the hepatocyte growth factor gene promoter via a novel composite cis-acting element. *Journal of Biological Chemistry* 2001;276:25049-25056
17. Redline, RW., **Jiang, J.**, and Shah, D. Discordancy for maternal floor infarction in dizygotic twin placentas. *Human Pathology* 2003;34(8):822-824.
18. Tsao, L., Colovai, AL., **Jiang, J.**, Bhagat, G., and Alobeid, B. Characterizing CD43 expression in haematogones using multicolor flow cytometric analysis. *British Journal of Haematology* 2005;128(6):820-823
19. **Jiang, J.**, Murty, V., Bhagat, G., Alobeid, B. Congenital MLL+ B-ALL switched lineage at relapse to AML with persistent t (4; 11) and t (1; 6) translocations and JH gene rearrangement. *Leukemia and Lymphoma*. 2005;46(8):1223-7
20. Imai, M., **Jiang, JG.**, Wu, Z., Dabbas, B., Ni, H. CD20-positive T-cell lymphoma involving bone marrow: report of four cases. *Journal of Hematopathology* 2013;6(4):201-205
21. Lai, SH., Huang, ZY., Guo, YT., Cui, YQ., Liu, B., Wang, L., Ying, FR., Gao, H., He., LX., Zhou, TL., **Jiang, JG.**, Gao, JM. Evaluation of hGM-CSF/hTNF α surface-modified prostate cancer therapeutic vaccine in the huPBL-SCID chimeric mouse model (co-corresponding author). *Journal of Hematology and Oncology* 2015;8:76. Published online 2015 Jun 25. doi: 10.1186/s13045-015-0175-8
22. Lin, KM., Xu, G., **Jiang, JG.**, Imai, M., Wu, Z., Perterson, P., Janatapour, K., Dabbas, B. Characterization of MPL-mutated myeloid neoplasms: a review of 224 MPL+ cases. *Hematopathology* 2016;1(1): 54-60
23. **Jiang, JG.**, Xu, Y., Wu,Z., Ni, Y., Wei, EX. Acute myeloid leukemia developed in Ph- cells with MLL gene amplification in a patient with chronic myelogenous leukemia (corresponding author) *Leukemia and Lymphoma* 2018; 23:1-3.
24. Jiang, AS., Wu, Z., Wei, EX., Ni, H., You, B., Yang, T., **Jiang, JG.**: Plasma cell myeloma with dual expression of kappa and lambda light chains (corresponding author). *Int J Clin Exp Pathol* 2018;11(9):4718-4723.
25. Ni, H., Sun, X., Xu, Y., Lyle, D., Petersen, P., Zhao, X., Drum, H., You, B., Liu, D., Liu, C., **Jiang, JG.** Clinical implications of clonal chromosomal abnormalities in Philadelphia negative cells in CML patients after treated with tyrosine kinase inhibitors (corresponding author). *Cancer Genetics* in press
DOI: [10.1016/j.cancergen.2019.07.008](https://doi.org/10.1016/j.cancergen.2019.07.008)

B. Books, Monographs and Chapters

1. **Jiang, J.**, and Li, L.: Function analysis of the plasmids in *Pseudomonas pseudomallei*, in *Dissertation Collection of Graduate Students*, published by Academy of Military Medical Sciences, 1988;119-121
2. **Jiang, J.** Chapter 12: Bacillus anthracis toxins and capsule (pp:141-151); Chapter 19: Bacteriocin (pp:203-232); Chapter 21: Hybrid molecules (pp:233-248); and Chapter 22: Risk in toxin gene cloning (pp:249-258); In book of: *Molecular Biology*

- of Bacterial Toxins; edited by Zuorong Lei; published by Chinese Science and Technology Press; 1992
3. **Jiang, J.** Chapter 3: Detection of Staphylococcal enterotoxins with immunodiffusion, pp:113-115 and Chapter 10: Distribution and control of Staphylococcal enterotoxins in food and hospitals, pp: 29-41; In book of: Detection of Staphylococcal Enterotoxins; edited by Zuorong Lei; published by Institute of Microbiology and Epidemiology (Beijing, China); June 1990
- C. Patents Held
1. None
- D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications
1. **Jiang, JG.** Isolation methods of large plasmids in bacteria(review); Foreign Medicine (Microbiology), 5:218-221, 1988
 2. **Jiang, JG.** and Gao, JM. Impact of genomics and next-generation sequencing on molecular diagnosis and treatments of lung cancer (review); Official Magazine of CAST-USA bio, 11-16, 2015
- E. Abstracts/Posters/Oral Presentations
1. **Jie-Gen Jiang,** Hong Drum, Bashar Dabbas, Hongyu Ni. Clinical significance of chromosome abnormalities in patients with chronic myelogenous leukemia in remission after treatment with tyrosine kinase inhibitors The 35th World Congress of the International Society of Hematology. Sept. 4-6, 2014 Beijing, China
 2. **Jie-Gen Jiang,** Gang Xu, Kemin Lin, Bashar Dabbas. Unusual clinical presentation of myeloid neoplasm with t(9;22) Asia Pacific Hematology Consortium. Feb. 27-29, 2016 Guangzhou, China
 3. Eric X. Wei, **Jie-Gen Jiang,** Hong L. Drum. Non-secretory Non-producer Plasma Cell Myeloma: Rare Entity and Common Findings. CAP annual meeting October 20-24 2018 Chicago, USA
 4. Khalid Algarrahi, Zhiwei Yin, Nawar Y Matti, **Jie-Gen Jiang.** Clinical implications of clonal chromosomal abnormalities in Philadelphia negative cells in CML patients after treated with tyrosine kinase inhibitors. Annual Meeting of New Jersey Society of Pathologist, Nov. 17, 2018; Monroe, NJ, USA (**First place prize**).
 5. Zhiwei Yin, Khalid Algarrahi, Nawar Y Matti, Chen Liu, **Jie-Gen Jiang.** Genomic Alterations of Non-Small Cell Lung Cancer in 951 Hispanic/Latino Patients from Puerto Rico. USCAP annual meeting, March 16-21 2019, National Harbor, MD, USA
 6. Zhiwei Yin, Khalid Algarrahi, Nawar Y Matti, **Jie-Gen Jiang.** Genotyping Colon Carcinoma in 3906 Hispanic Patients from Puerto Rico. USCAP annual meeting, March 16-21 2019, National Harbor, MD, USA
 7. Aisha Fatima, **Jie-Gen Jiang,** Neena M. Mirani, Bei You, Patricia DeAngelo, Malik Deen Next generation sequencing identified novel fusion partners for *HMG2* and *PLAG1* genes in salivary gland pleomorphic adenomas. USCAP annual meeting, March 16-21 2019, National Harbor, MD, USA
 8. Albert Alhatem, Nawar Matti, Ydamis Estrella, Ruifang Zheng, Anja Jones, Raul Rodriguez, Joan Durbin, **Jie-Gen Jiang.** Genomic Profile of Hispanic AML Patients from Puerto Rico. CAP annual meeting, September 21 -25 2019, Orlando, FL, USA
 9. Nawar Matti, Khalid Algarrahi, Albert Alhatem, **Jie-Gen Jiang.** Cytogenetic and Molecular Profile Analysis in Hispanic Chronic Myelomonocytic Leukemia Patients from Puerto Rico. ASCP Annual Meeting, September 11-13, 2019, Phoenix, AZ, USA
 10. Zhiwei Yin, **Jie-Gen Jiang.** Genetic alterations of non-CML MPNs in 1384 patients of Hispanics from Puerto Rico. CAP annual meeting, September 21 -25 2019, Orlando, FL, USA

11. Ruifang Zheng, Zhiwei Yin, Nawar Matti, **Jie-Gen Jiang**. Cytogenetic and Molecular Landscape of Hispanic Myelodysplastic Syndrome Patients from Puerto Rico. CAP annual meeting, September 21 -25 2019, Orlando, FL, USA
12. Albert Alhatem, Robert Schwartz, Malliah, Rajit, Katrice Karanfilian, Sara Behbahani, Marcus Elias, Spandana Maddukuri, William Lambert, **Jie-Gen Jiang**. Survival Analysis of Selected Primary Cutaneous T Cell Lymphoma Subtypes: Lessons Learned from the National Cancer Institute Database. The 56th Annual Meeting of the American Society of Dermatopathology (ASDP), October 17-20, 2019, San Diego, CA, USA

F. Reports

Case Report: Reactive T lymphocytes with loss of CD3 expression in classical Hodgkin lymphoma. Website:
www.genoptix.com/pathology/hematopathology/bestpractice October 2017

PRESENTATIONS:

A. Scientific (*Basic Science*): None

B. Professional (*Clinical*):

1. Myeloproliferative neoplasms with co-mutated MPL and Jak2 V617F. Scripps Conference, Scripps Green Hospital, San Diego, USA, March 16, 2010
2. Unusual reactive T lymphocytes with loss of CD3 expression in classical Hodgkin lymphoma. Scripps Conference, Scripps Green Hospital, San Diego, USA, April 24, 2012
3. Molecular Classification and Stratification of Acute Myeloid Leukemia, School of Laboratory Medicine and Life Science, Wenzhou Medical University, Wenzhou, China, July 01, 2014
4. Clinical Application of NGS in Acute Myeloid Leukemia, Wenzhou Institute of Biomaterials and Engineering, Chinese Academy of Sciences, Wenzhou, China, July 02, 2014
5. Chromosomal Abnormalities of Chronic Myelogenous Leukemia, San Diego Society of Hematopathology, San Diego, California, USA, November 15, 2014
6. Clinical significance of chromosome abnormalities in patients with chronic myelogenous leukemia in remission after treatment with tyrosine kinase inhibitors Department of Pathology and Laboratory Medicine, NJMS, Newark, New Jersey, USA, September 18, 2017