

## Feng Cheng, Ph.D.

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### 1. Education and Training:

INSTITUTION	DEGREE	Completion Date	FIELD OF STUDY
Nanjing University	BS	06/1998	Chemistry
Chinese Academy of Science	PHD	01/2003	Medicinal Chemistry
University of Illinois at Urbana Champaign	Postdoc	01/2005	Medicinal Chemistry
University of Virginia	PHD	05/2010	Bioinformatics
Yale University	Postdoc	05/2012	Bioinformatics

### 2. Positions:

DATE	Title	INSTITUTION
06/2012-06/2018	Assistant Professor	Department of Pharmaceutical Sciences, USF College of Pharmacy
06/2012-06/2018	Adjunct Assistant Professor	Department of Epidemiology and Biostatistics, USF College of Public Health
06/2018-present	Associate Professor	Department of Pharmaceutical Sciences, USF College of Pharmacy
06/2018-present	Adjunct Associate Professor	Department of Epidemiology and Biostatistics, USF College of Public Health

### 3. Awards:

DATE	Award
08/2023	USF Health: The Author of "The Book of the Month"
06/2023	USF TCOP Best Researcher 2023
06/2021	USF TCOP Teacher of the program 2021
06/2018	USF TCOP Dean's Recognition Award 2018
2017-present	USF Research & Innovation incentive award
06/2002	First Prize of Di Ao Scholarship from Chinese Academy of Science

## 4. Honorary Society Memberships

DATE	Membership
2023-Present	Member of American Society of Nephrology (ASN)
2017-Present	Member of Florida Public Health Association
2018-2019	Member of International Society for Computational Biology
2013-2017	Moffitt Cancer Center Support Grant (CCSG) Collaborator Member
2015	The title of fellow, The Faculty Leadership Academy, Center for Transformation and Innovation
2015-2020	SAS Company Certified Professional
2013-2014	Member of International Biometric Society
2012-2013	Member of American Association of Colleges of Pharmacy (AACP)

## 5. Research

	2018-2023		Entire career	
	Total	First/senior/PI	Total	First/senior/PI
<b>Grants</b>	9	2	16	5
<b>Research paper</b>	45	15	93	42
<b>Patents</b>	0	0	1	0
<b>Books</b>	1	1	1	1
<b>Book Chapters</b>	0	0	1	1
<b>Abstracts</b>	11	10	22	20

### 5.1 Research grants

#### 5.1.1 Funded grants

No	Year	Agent	Role	Title and Effort	Amount (\$)
16	2023-2028	NIH R01 (HL168098)	Co-I	Identification of a mechanosensor in juxtaglomerular cells for the regulation of renin synthesis and secretion has completed the first phase (PI: Jin Wei) 5% Effort	3,029,327
15	2023-2028	NIH R01 (NS134134)	Co-I	Fibroblast-derived laminin regulates blood-brain barrier integrity and fibroblast biology in hemorrhagic brain (PI: Dr. Yao Yao); 10% effort	2,983,053
14	2023-2028	NIH R01 (DK134000)	Co-I	Treatment of lupus nephritis with nanoparticles that selectively	3,794,986

				target kidney glomeruli (PI: Dr. Ruisheng Liu); 5% effort	
13	2020-2021	USF College of Pharmacy Seed Grant	Co-I	Association between CYP3A4, CYP3A5, and ABCB1 genotype and tacrolimus (TAC) exposure and outcomes among allogeneic hematopoietic cell transplantation (HCT) patients. (PI: Teresa Ho)	15,000
12	2020-2023	NIH R03 (AG070536)	PI	<b>Identification of Potential Drug-drug Interactions in Alzheimer's Disease Patients; 10% effort</b>	<b>149,500</b>
11	2019-2021	Alzheimer's Association Research Grant (AARG)	PI	<b>GAAIN Exploration to Evaluate Novel Alzheimer's Queries (GEENA-Q) Research Grant: Identification of Drug-disease Interaction in AD patients from GAAIN. 7% effort</b>	<b>25,000</b>
10	2019-2024	NIH R01 (DK119066)	Co-I	Protecting the diabetic skeletal muscle by Nampt activation (PI: Dr. Tipparaju) 5% effort	2,025,277
9	2018-2020	NIH R03 (CA212696)	Co-I	The Role of the miRNA Cluster at 14q32 in Lipid Regulation and Renal Cancer Biology 2% effort	149,500
8	2018-2019	USF Women's Health Seed Grant	Co-I	The gut microbiome in infants with Neonatal Abstinence Syndrome (PI: Dr. Denise Maguire)	10,000
7	2017-2019	Florida Department of Health (7AZ23)	PI	<b>Ed and Ethel Moore Alzheimer's Disease Research Program: System Analysis of Potential Drug Interactions in the Treatment of Alzheimer's Disease from the FDA Reporting System, Electronic Health Records and Protein Interaction Networks"</b> 7% Effort	<b>100,000</b>
6	2017-2018	USF Proposal Enhancement Grant	PI	<b>Systematic discovery of drug interaction mechanisms from Medline 5% Effort</b>	<b>25,000</b>
5	2016-2021	NIH R01 (DE026480)	Co-I	The Oral Microbiome in Type 1 Diabetes and Sub-Clinical	3,360,530

				Cardiovascular Disease (PI: Amy Alman) 10% effort	
4	2016-2021	NIH R01 (HL137987)	Co-I	Renal hemodynamics and hypertension during pregnancy (PI: Dr. Ruisheng Liu); 5% effort	1,551,292
3	2016-2017	ACCP AmCare PRN Seed Grant	Co-I	ACCP AmCare PRN Seed Grant (PI: Nicholas W. Carris) 1% effort	2,000
2	2015-2016	USF College of Pharmacy Seed Grant	Co-I	Enhanced pharmacist-managed anticoagulation service in university-based family medicine clinic 3% Effort	15,000
<b>1</b>	<b>2013-2014</b>	<b>USF Women's Health Seed Grant Awards</b>	<b>PI</b>	<b>Identification of human serum miRNAs for the early detection of ovarian cancer</b> <b>3% Effort</b>	<b>8,700</b>

### 5.1.2 Unfunded but scored grant applications (as PI)

No	Year	Agent	Score	Title
11	2023	NIH R03	50	Identification of adverse drug events and possible drug-drug interactions of remdesivir as well as the molecular mechanism (Resubmission)
10	2022	NIH R03	34	Identification of adverse drug events and possible drug-drug interactions of remdesivir as well as the molecular mechanism
9	2022	NIH R03	51	Drug-drug interactions in hepatitis C virus treatment and their mechanisms (Resubmission)
8	2021	NIH R03	44	Drug-drug interactions in hepatitis C virus treatment and their mechanisms
7	2021	NIH R03	60	Identification of drugs or drug combinations that will increase the risk of pneumonia in Alzheimer's disease patients
6	2021	NIH R01	48	Rational design of artificial antibody surrogate using molecular modeling and machine learning
5	2019	NIH R15	53	Hepatotoxicity predictions of over-the-counter dietary supplements
4	2019	NIH R15	39	Systematic discovery of drug interaction mechanisms from Medline (Re-submission)
3	2018	NIH R15	38	Systematic discovery of drug interaction mechanisms from Medline
2	2016	NIH R03	39	Identification of Potential Drug-drug Interactions in HCV-infected Patients
1	2016	NIH R21	71	Identification of Potential Drug-drug Interactions in Patients with Diabetes from FDA Reporting System and Electronic Health Record

## 5.2 Publications and citations

	Since 2018	All
Number of papers	45	94
Citations	2745	4931
H-index	21	31
I10-index	42	53

from google scholar as of 11/01/2023

### 5.2.1 Since 2018 (After tenure): 45 papers (15 as the first or corresponding author)

No	Paper	IF
94	Zhang, J.; Wang, H.; Slotabec, L.; <b>Cheng, F.</b> ; Tan, Y.; Li, J., Alterations of SIRT1/SIRT3 subcellular distribution in aging undermine cardiometabolic homeostasis during ischemia and reperfusion. <i>Aging Cell</i> <b>2023</b> , 22 (9), e13930.	7.8
93	Manickam, R.; Virzi, J.; Potti, A.; <b>Cheng, F.</b> ; Russ, D. W.; Tipparaju, S. M., Genetic deletion of Kvbeta2 (AKR6) causes loss of muscle function and increased inflammation in mice. <i>Frontiers in Aging</i> <b>2023</b> , 4, 1175510.	4.8
92	Jiang, W.; Abdulkadir, S.; Zhao, X.; Sang, P.; Tomatsidou, A.; Zhang, X.; Chen, Y.; Calcul, L.; Sun, X.; <b>Cheng, F.*</b> ; Hu, Y.*; Cai, J.*, Inhibition of Hypoxia-Inducible Transcription Factor (HIF-1alpha) Signaling with Sulfonyl-gamma-AApeptide Helices. <i>J Am Chem Soc</i> <b>2023</b> , 145 (36), 20009-20020. (Co-Corresponding Author)	15
91	Morris R; Todd M; Aponte NZ; Salcedo M; Bruckner M; Garcia AS; Webb R; Bu K; Han WR, <b>Cheng, F.*</b> , The association between warfarin usage and international normalized ratio increase: systematic analysis of FDA Adverse Event Reporting System (FAERS). <i>J Cardiovasc Aging</i> <b>2023</b> ;3:39 (Corresponding Author)	NA
90	Zhang, J.; Cai, J.; Cui, Y.; Jiang, S.; Wei, J.; Kim, Y. C.; Chan, J.; Thalakola, A.; Le, T.; Xu, L.; Wang, L.; Jiang, K.; Wang, X.; Wang, H.; <b>Cheng, F.</b> ; Buggs, J.; Koepsell, H.; Vallon, V.; Liu, R., Role of the macula densa sodium glucose cotransporter type 1-neuronal nitric oxide synthase-tubuloglomerular feedback pathway in diabetic hyperfiltration. <i>Kidney Int</i> <b>2022</b> , 101 (3), 541-550.	19.0
89	Vichare, R.; Saleem, F.; Mansour, H.; Bojkovic, K.; <b>Cheng, F.</b> ; Biswal, M.; Panguluri, S. K., Impact of age and sex on hyperoxia-induced cardiovascular pathophysiology. <i>Mech Ageing Dev</i> <b>2022</b> , 208, 111727.	5.498
88	Bu, K.; Patel, D.; Morris, R.; Han, W.; Umeukeje, G.; Zhu, T.; <b>Cheng, F.*</b> , Dysphagia Risk in Patients Prescribed Rivastigmine: A Systematic Analysis of FDA Adverse Event Reporting System. <i>J Alzheimers Dis</i> <b>2022</b> , 89 (2), 721-731. (Corresponding Author)	4.0
87	Xu L, Huang YX, Chen HN, Mbah A, <b>Cheng F</b> , Joint Modeling Analysis of Multivariate Skewed-longitudinal and Time-to-event Data with Application to	NA

	Primary Biliary Cirrhosis Study. <i>Journal of Medical Statistics and Informatics</i> <b>2021</b> , 9: 2	
86	Zheng, M.; Li, C.; Zhou, M.; Jia, R.; She, F.; Wei, L.; <b>Cheng, F.</b> ; Li, Q.; Cai, J.; Wang, Y., Peptidomimetic-based antibody surrogate for HER2. <i>Acta Pharm Sin B</i> <b>2021</b> , 11 (9), 2645-2654.	14.908
85	Zheng, M.; Li, C.; Zhou, M.; Jia, R.; Cai, G.; She, F.; Wei, L.; Wang, S.; Yu, J.; Wang, D.; Calcul, L.; Sun, X.; Luo, X.; <b>Cheng, F.</b> ; Li, Q.; Wang, Y.; Cai, J., Discovery of Cyclic Peptidomimetic Ligands Targeting the Extracellular Domain of EGFR. <i>J Med Chem</i> <b>2021</b> , 64 (15), 11219-11228.	8.039
84	Zhang, J.; Wang, X.; Cui, Y.; Jiang, S.; Wei, J.; Chan, J.; Thalakola, A.; Le, T.; Xu, L.; Zhao, L.; Wang, L.; Jiang, K.; <b>Cheng, F.</b> ; Patel, T.; Buggs, J.; Vallon, V.; Liu, R., Knockout of Macula Densa Neuronal Nitric Oxide Synthase Increases Blood Pressure in db/db Mice. <i>Hypertension</i> <b>2021</b> , 78 (6), 1760-1770.	8.3
83	Xu, Y.; Zhang, R.; Morris, R.; <b>Cheng, F.</b> ; Wang, Y.; Zhu, Z.; Hao, Y., Metabolite Characteristics in Tongue Coating from Damp Phlegm Pattern in Patients with Gastric Precancerous Lesion. <i>Evid Based Complement Alternat Med</i> <b>2021</b> , 2021, 5515325.	2.064
82	Wei, J.; Zhang, J.; Jiang, S.; Xu, L.; Qu, L.; Pang, B.; Jiang, K.; Wang, L.; Intapad, S.; Buggs, J.; <b>Cheng, F.</b> ; Mohapatra, S.; Juncos, L. A.; Osborn, J. L.; Granger, J. P.; Liu, R., Macula Densa NOS1beta Modulates Renal Hemodynamics and Blood Pressure during Pregnancy: Role in Gestational Hypertension. <i>J Am Soc Nephrol</i> <b>2021</b> , 32 (10), 2485-2500.	13.6
81	Tur, J.; Chapalamadagu, K. C.; Manickam, R.; <b>Cheng, F.</b> ; Tipparaju, S. M., Deletion of Kvbeta2 (AKR6) Attenuates Isoproterenol Induced Cardiac Injury with Links to Solute Carrier Transporter SLC41a3 and Circadian Clock Genes. <i>Metabolites</i> <b>2021</b> , 11 (4).	5.581
80	Tian, Z.; Dixon, J.; Guo, X.; Deal, B.; Liao, Q.; Zhou, Y.; <b>Cheng, F.</b> ; Allen-Gipson, D. S., Co-inhibition of CD73 and ADORA2B Improves Long-Term Cigarette Smoke Induced Lung Injury. <i>Front Physiol</i> <b>2021</b> , 12, 614330.	4.755
79	Tang, Z.; Lu, Y.; Hao, Y.; Morris, R.; Kang, D.; Wang, F.; Fan, L.; Wang, W.; Wang, Y.; <b>Cheng, F.*</b> , The Temporal Pattern of Arterial Stiffness during Aging: A Large-Scale Cross-Sectional Study. <i>J Diabetes Res</i> <b>2021</b> , 2021, 3243135. ( <i>Corresponding Author</i> )	4.3
78	Morris, R.; Umeukeje, G.; Bu, K.; <b>Cheng, F.*</b> , The Association Between Use of Rivastigmine and Pneumonia: Systematic Analysis of FDA Adverse Event Reporting System. <i>J Alzheimers Dis</i> <b>2021</b> , 83 (3), 1061-1071. ( <i>Corresponding Author</i> )	4.0
77	Morris, R.; Luboff, H.; Jose, R. P.; Eckhoff, K.; Bu, K.; Pham, M.; Rohlsen-Neal, D.; <b>Cheng, F.</b> , Bradycardia Due to Donepezil in Adults: Systematic Analysis of FDA Adverse Event Reporting System. <i>J Alzheimers Dis</i> <b>2021</b> , 81 (1), 297-307. ( <i>Corresponding Author</i> )	4.0
76	Ma, Y.; Cao, C.; Zhao, M.; Liu, X.; <b>Cheng, F.</b> ; Wang, J., Evolutionary Changes in Pathways and Networks of Genes Expressed in the Brains of Humans and Macaques. <i>J Mol Neurosci</i> <b>2021</b> , 71 (9), 1825-1837.	5.59
75	Hsu, S. Y.; Morris, R.; <b>Cheng, F.</b> , Signaling Pathways Regulated by Silica Nanoparticles. <i>Molecules</i> <b>2021</b> , 26 (5), 1398 ( <i>Corresponding Author</i> )	4.927
74	Hao, Y.; Zhang, R.; Morris, R.; <b>Cheng, F.</b> ; Zhu, Z.; Xu, Y.; Wang, Y., Metabolome and microbiome alterations in tongue coating of gastric	3.9

	precancerous lesion patients. <i>Expert Rev Gastroenterol Hepatol</i> <b>2021</b> , <i>15</i> (8), 949-963.	
73	Eckhoff, K.; Morris, R.; Zuluaga, V.; Polsky, R.; <b>Cheng, F.*</b> , The Association between Tau Protein Level in Cerebrospinal Fluid and Cognitive Status: A Large-Scale Analysis of GAAIN Database. <i>Brain Sci</i> <b>2021</b> , <i>11</i> (7). 861 (Corresponding Author)	3.3
72	Bojkovic, K.; Rodgers, J. L.; Vichare, R.; Nandi, A.; Mansour, H.; Saleem, F.; Abidin, Z. U.; Vanthenapalli, S.; <b>Cheng, F.</b> ; Panguluri, S. K., The implications of hyperoxia, type 1 diabetes and sex on cardiovascular physiology in mice. <i>Scientific Reports</i> , <b>2021</b> , <i>11</i> (1), 23086.	4.6
71	Banday, M. M.; Kumar, A.; Vestal, G.; Sethi, J.; Patel, K. N.; O'Neill, E. B.; Finan, J.; <b>Cheng, F.</b> ; Lin, M.; Davis, N. M.; Goldberg, H.; Coppolino, A.; Mallidi, H. R.; Dunning, J.; Visner, G.; Gaggar, A.; Seyfang, A.; Sharma, N. S., N-myc-interactor mediates microbiome induced epithelial to mesenchymal transition and is associated with chronic lung allograft dysfunction. <i>J Heart Lung Transplant</i> <b>2021</b> , <i>40</i> (6), 447-457.	8.9
70	Zhang, J.; Zhu, J.; Wei, J.; Jiang, S.; Xu, L.; Qu, L.; Yang, K.; Wang, L.; Buggs, J.; <b>Cheng, F.</b> ; Tan, X.; Liu, R., New Mechanism for the Sex Differences in Salt-Sensitive Hypertension: The Role of Macula Densa NOS1beta-Mediated Tubuloglomerular Feedback. <i>Hypertension</i> <b>2020</b> , <i>75</i> (2), 449-457.	8.3
69	Zhang, J.; Wang, X.; Wei, J.; Wang, L.; Jiang, S.; Xu, L.; Qu, L.; Yang, K.; Fu, L.; Buggs, J.; <b>Cheng, F.</b> ; Liu, R., A two-stage bilateral ischemia-reperfusion injury-induced AKI to CKD transition model in mice. <i>Am J Physiol Renal Physiol</i> <b>2020</b> , <i>319</i> (2), F304-F311.	4.2
68	Zhang, J.; Qu, L.; Wei, J.; Jiang, S.; Xu, L.; Wang, L.; <b>Cheng, F.</b> ; Jiang, K.; Buggs, J.; Liu, R., A new mechanism for the sex differences in angiotensin II-induced hypertension: the role of macula densa NOS1beta-mediated tubuloglomerular feedback. <i>Am J Physiol Renal Physiol</i> <b>2020</b> , <i>319</i> (5), F908-F919.	4.2
67	Xu, Y.; Wang, Q.; Tanon Reyes, L.; <b>Cheng, F.</b> ; Bi, C.; Ye, N.; Wu, G., VGSC2: Second generation vector graph toolkit of genome synteny and collinearity. <i>Genomics</i> <b>2020</b> , <i>112</i> (1), 286-288.	4.4
66	Wei, J.; Zhu, J.; Zhang, J.; Jiang, S.; Qu, L.; Wang, L.; Buggs, J.; Tan, X.; <b>Cheng, F.</b> ; Liu, R., Aging Impairs Renal Autoregulation in Mice. <i>Hypertension</i> <b>2020</b> , <i>75</i> (2), 405-412.	8.3
65	Sharma, N. S.; Vestal, G.; Wille, K.; Patel, K. N.; <b>Cheng, F.</b> ; Tipparaju, S.; Tousif, S.; Banday, M. M.; Xu, X.; Wilson, L.; Nair, V. S.; Morrow, C.; Hayes, D., Jr.; Seyfang, A.; Barnes, S.; Deshane, J. S.; Gaggar, A., Differences in airway microbiome and metabolome of single lung transplant recipients. <i>Respir Res</i> <b>2020</b> , <i>21</i> (1), 104.	5.631
64	Morris, R.; Armbruster, K.; Silva, J.; Widell, D. J.; <b>Cheng, F.</b> , The Association between the Usage of Non-Steroidal Anti-Inflammatory Drugs and Cognitive Status: Analysis of Longitudinal and Cross-Sectional Studies from the Global Alzheimer's Association Interactive Network and Transcriptomic Data. <i>Brain Sci</i> <b>2020</b> , <i>10</i> (12). (Corresponding Author)	3.3
63	Hao, Y.; Reyes, L. T.; Morris, R.; Xu, Y.; Wang, Y.*; <b>Cheng, F.*</b> , Changes of protein levels in human urine reflect the dysregulation of signaling pathways of chronic kidney disease and its complications. <i>Scientific Reports</i> <b>2020</b> , <i>10</i> (1), 20743. (Corresponding Author)	4.6

62	Ding, X.*; <b>Cheng, F.*</b> ; Morris, R.; Chen, C.; Wang, Y., Machine Learning-Based Signal Quality Evaluation of Single-Period Radial Artery Pulse Waves: Model Development and Validation. <i>JMIR Med Inform</i> <b>2020</b> , <i>8</i> (6), e18134. (*co-first author)	3.2
61	Limayem A; Patil SB; Mehta M; <b>Cheng F</b> ; Minh Nguyen M, A streamlined study on chitosan-zinc oxide nanomicelle properties to mitigate a drug-resistant biofilm protection mechanism. <i>Frontiers in Nanotechnology</i> <b>2020</b> , <i>2</i> , 592739.	NA
60	Hao, Y.; Yuan, X.; Yan, J.; Pham, M.; Rohlsen, D.; Qian, P.; <b>Cheng, F.;</b> Wang, Y., Metabolomic Markers in Tongue-Coating Samples from Damp Phlegm Pattern Patients of Coronary Heart Disease and Chronic Renal Failure. <i>Dis Markers</i> <b>2019</b> , 2019, 4106293.	3.464
59	Hao Y*, <b>Cheng F*</b> , Pham M, Rein H, Patel D, Fang Y, Feng Y, Yan J, Song X, Yan H, Wang Y. A Noninvasive, Economical, and Instant-Result Method to Diagnose and Monitor Type 2 Diabetes Using Pulse Wave: Case-Control Study. <i>JMIR mHealth and uHealth</i> . 2019;7(4):e11959 (*co-first author)	4.301
58	Tang Z, Pham M, Hao Y, Wang F, Patel D, Jean-Baptiste L, Fan L, Wang W, Wang Y, <b>Cheng F*</b> . Sex, Age, and BMI Modulate the Association of Physical Examinations and Blood Biochemistry Parameters and NAFLD: A Retrospective Study on 1994 Cases Observed at Shuguang Hospital, China. <i>BioMed Research International</i> . <b>2019</b> , 2019, 1246518. (*Corresponding authors)	2.583
57	Zhang J, Wei J, Jiang S, Xu L, Wang L, <b>Cheng F</b> , Buggs J, Koepsell H, Vallon V, Liu R: Macula Densa SGLT1-NOS1-Tubuloglomerular Feedback Pathway, a New Mechanism for Glomerular Hyperfiltration during Hyperglycemia. <i>Journal of the American Society of Nephrology</i> 2019, <b>30</b> (4):578-593.	8.98
56	Xu Y, Reyes LT, <b>Cheng F</b> , Bi C, Ye N, Wu G: VGSC2: Second generation vector graph toolkit of genome synteny and collinearity. <i>Genomics</i> 2019.	3.327
55	Pham M, <b>Cheng F*</b> , Ramachandran K*: A Comparison Study of Algorithms to Detect Drug-Adverse Event Associations: Frequentist, Bayesian, and Machine-Learning Approaches. <i>Drug Saf</i> <b>2019</b> , <i>42</i> (6), 743-750. (*Corresponding authors)	3.643
54	Lu Y, Ramachandra ACV, Pham M, Tu Y-C, <b>Cheng F*</b> : CuDDI: A CUDA-Based Application for Extracting Drug-Drug Interaction Related Substance Terms from PubMed Literature. <i>Molecules</i> 2019, <b>24</b> (6):1081 (*Corresponding authors)	3.098
53	Wang C, Xu Y, Wang X, Zhang L, Wei S, Ye Q, Zhu Y, Yin H, Nainwal M, Tanon-Reyes L, <b>Cheng F</b> , Yin TM, Ye N: GESture: an online hand-drawing tool for gene expression pattern search. <i>PeerJ</i> 2018, <b>6</b> :e4927.	2.118
52	Carris, N. W., Tsalatsanis, A., Tipparaju, S. M., <b>Cheng, F.</b> , Magness, R. R., & Kumar, A. "Metformin's impact on statin-associated muscle symptoms: An analysis of ACCORD study data and research materials from the NHLBI Biologic Specimen and Data Repository Information Coordinating Center." <i>Diabetes, Obesity and Metabolism</i> <b>2018</b> , <i>20</i> (8), 1994-1999	6.36
51	Hu Y, Fang Z, Yang Y, Rohlsen-Neal D, <b>Cheng F*</b> , Wang J*. Analyzing the genes related to nicotine addiction or schizophrenia via a pathway and network based approach. <i>Scientific Reports</i> . 2018 8(1):2894. (*Corresponding authors)	4.847



50	Wang XL, <b>Cheng F</b> , Rohlsen D, Bi CW, Wang CY, Xu YQ, Wei SY, Ye QL, Yin TM, Ye N, Organellar genomes assembly methods and comparative analysis of horticultural plants. <i>Horticulture Research</i> , 2018, 5:3	3.6
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**IF: impact factor**

### 5.2.2 2012-2017 (before tenure):

26 papers (15 as the first or corresponding author)

No	Paper	IF
49	Xiao WB*, Dai J, Wu HM, Zhang HM, <b>Cheng F*</b> , Effect of the meteorological factors on photovoltaic power forecast based on neural network, <i>RSC Adv.</i> , 2017,7, 55846-55850 (*Corresponding authors)	3.108
48	Xiao WB*, Nazario G, H.M. Wu HM, H.M. Zhang HM, <b>Cheng F*</b> , A Neural Network Based Computational Model to Predict the Output Power of Different Types of Photovoltaic Cells. <i>Plos One</i> , 2017, 12 (9): e0184561 (*Corresponding authors)	3.394
47	Tur J, Sachin L. Badole1 <b>Cheng F</b> , Das A, Kukreja RC, Tipparaju SM: Corticosteroids and aldose reductase inhibitor Epalrestat modulates cardiac action potential via Kv1.1 (AKR6A8) subunit of voltage-gated potassium channel. <i>Mol Cell Biochem</i> , 2017, 436:71–78	2.487
46	Luo YY, Xiong XY, <b>Cheng F</b> , Gong YC, Li ZL, Li YP, The targeting Properties of Folate-conjugate Pluronic F127/poly (lactic-co-glycolic) nanoparticles, <i>International Journal of Biological Macromolecules</i> , 2017, 105, 711-719	3.657
45	Carris NW, <b>Cheng F</b> , Kelly WN, “The Changing Cost to Prevent Diabetes: A Retrospective Analysis of the Diabetes Prevention Program”. <i>Journal of the American Pharmacists Association</i> , 2017, 57 (6), 717-722	1.411
44	Paullin T, Powell C, Menzie C, Hill R, <b>Cheng F</b> , Martyniuk CJ, Westerheide SD. Spheroid growth in ovarian cancer alters transcriptome responses for stress pathways and epigenetic responses. <i>PLoS One</i> 2017, <b>12 (8)</b> , e0182930	3.394
43	Brunquell J, <b>Cheng F*</b> , Westerheide SD*, <b>HSF-1 is a Regulator of miRNA Expression in Caenorhabditis elegans</b> <i>Plos One</i> , 2017, <b>12 (8)</b> : e0183445 (*Corresponding authors)	3.394
42	MohanKumar K, Namachivayam K, <b>Cheng F</b> , Jiang RH, Flores-Torres J, Torres BA, Maheshwari A: Trinitrobenzene sulfonic acid-induced intestinal injury in neonatal mice activates transcriptional networks similar to those seen in human necrotizing enterocolitis. <i>Pediatric Res</i> 2017, <b>81(1-1)</b> :99-112.	3.110
41	Niu NK, Wang Q, Shi, J, Zhang X, Geng G, Zhou SF, Thach, C, <b>Cheng F</b> , and Wang Z: Clinical and genomic responses to ultra-short course chemotherapy in spinal tuberculosis. <i>Experimental and Therapeutic Medicine</i> , 2017, <b>13</b> : 1681-1688.	1.367
40	Lu Y, Figler, B, Huang H, Tu YC, Wang J, <b>Cheng, F*</b> : Characterization of the Mechanism of Drug-drug Interactions from PubMed using MeSH Terms. <i>PLoS One</i> 2017, <b>12 (4)</b> , e0173548. (*Corresponding author)	3.394
39	Xiong XY, Pan XQ, Tao L, <b>Cheng F</b> , Li ZP, Gong YC, Li, YP: “Enhanced Effect of Folated Pluronic F87-PLA/TPGS Mixed Micelles on Targeted Delivery of Paclitaxel”, <i>International Journal of Biological Macromolecules</i> , 2017, <b>103</b> :1011-1018	3.657

38	Brunquell J, Morris S, Lu Y, <b>Cheng F</b> , Westerheide SD: The genome-wide role of HSF-1 in the regulation of gene expression in <i>Caenorhabditis elegans</i> . <i>BMC Genomics</i> 2016, <b>17</b> :559.	4.284
37	Olmos-Serrano JL, Kang HJ, Tyler WA, Silbereis JC, <b>Cheng F</b> , Zhu Y, Pletikos M, Jankovic-Rapan L, Cramer NP, Galdzicki Z <i>et al</i> : Down Syndrome Developmental Brain Transcriptome Reveals Defective Oligodendrocyte Differentiation and Myelination. <i>Neuron</i> 2016, <b>89</b> (6):1208-1222.	16.2
36	Liu M, Fan R, Liu X, <b>Cheng F*</b> , Wang J*: Pathways and networks-based analysis of candidate genes associated with nicotine addiction. <i>PLoS One</i> 2015, <b>10</b> (5): e0127438. (*Corresponding author)	3.394
35	Lu Y, Shen D, Pietsch M, Nagar C, Fadli Z, Huang H, Tu YC, <b>Cheng F*</b> : A novel algorithm for analyzing drug-drug interactions from MEDLINE literature. <i>Sci Rep</i> 2015, <b>5</b> :17357. (*Corresponding author)	4.847
34	Xu Y, Hu B, Alnajm SS, Lu Y, Huang Y, Allen-Gipson D, <b>Cheng F*</b> : SEGEL: A Web Server for Visualization of Smoking Effects on Human Lung Gene Expression. <i>PLoS One</i> 2015, <b>10</b> (5):e0128326. (*Corresponding author)	3.394
33	Gupta AR, Pirruccello M, <b>Cheng F</b> , Kang HJ, Fernandez TV, Baskin JM, Choi M, Liu L, Ercan-Sencicek AG, Murdoch JD <i>et al</i> : Rare deleterious mutations of the gene EFR3A in autism spectrum disorders. <i>Mol Autism</i> 2014, <b>5</b> :31.	5.663
32	Khatoun Z, Figler B, Zhang H, <b>Cheng F*</b> : Introduction to RNA-Seq and its applications to drug discovery and development. <i>Drug Dev Res</i> 2014, <b>75</b> (5):324-330. (*Corresponding author)	3.80
31	Pletikos M, Sousa AM, Sedmak G, Meyer KA, Zhu Y, <b>Cheng F</b> , Li M, Kawasawa YI, Sestan N: Temporal specification and bilaterality of human neocortical topographic gene expression. <i>Neuron</i> 2014, <b>81</b> (2):321-332.	16.2
30	Toska E, Zagorsky R, Figler B, <b>Cheng F*</b> : Transcriptomic studies on liver toxicity of acetaminophen. <i>Drug Dev Res</i> 2014, <b>75</b> (6):419-423. (*Corresponding author)	3.80
29	Yan J, Xu Y, Hu B, Alnajm S, Liu L, Lu Y, Sun Z, <b>Cheng F*</b> : TIBS: a web database to browse gene expression in irritable bowel syndrome. <i>J Theor Biol</i> 2014, <b>354</b> :48-53. (*Corresponding author)	2.260
28	<b>Cheng F*</b> : Exploring the mysteries of traditional Chinese medicine systematically by expression microarrays. <i>Drug Development Research</i> 2012, <b>73</b> (8):499-503. (*Corresponding author)	3.80
27	Ashmore K, <b>Cheng F*</b> : Genome-wide association studies on attention deficit hyperactivity disorder. <i>Clinical and Experimental Pharmacology</i> 2013, <b>3</b> (1):119. (*Corresponding author)	NA
26	<b>Cheng F*</b> : Bioinformatics Algorithms and Genomics. <i>Open Bioinformatics Journal</i> 2013, <b>7</b> (1):25-26.	NA
25	<b>Cheng F*</b> , Sutariya V: Applications of artificial neural network modeling in drug discovery. <i>Clin Exp Pharmacol</i> 2012, <b>2</b> (3):1-2. (*Corresponding author)	NA
24	<b>Cheng F*</b> : Blood MicroRNAs: Novel Omics Biomarkers for Ovarian Cancer Early Detection. <i>J Proteomics Bioinform</i> 2012, <b>5</b> (11): xx-xxi. (*Corresponding author)	NA

### 5.2.3 2000-2012 (Before joining USF):

23 papers (12 as first or co-first authors)

No	Paper	IF
23	<b>Cheng F</b> , Keeley EC, Lee JK: Molecular prediction for atherogenic risks across different cell types of leukocytes. <i>BMC Med Genomics</i> 2012, <b>5</b> :2.	3.238
22	Kang HJ*, Kawasawa YI*, <b>Cheng F</b> *, Zhu Y, Xu X, Li M, Sousa AM, Pletikos M, Meyer KA, Sedmak G <i>et al</i> : Spatio-temporal transcriptome of the human brain. <i>Nature</i> 2011, <b>478</b> (7370):483-489. (co-first authors)	64.8
21	<b>Cheng F</b> , Theodorescu D, Schulman IG, Lee JK: In vitro transcriptomic prediction of hepatotoxicity for early drug discovery. <i>J Theor Biol</i> 2011, <b>290</b> :27-36.	2.260
20	Williams PD, Cheon S, Havaleshko DM, Jeong H, <b>Cheng F</b> , Theodorescu D, Lee JK: Concordant gene expression signatures predict clinical outcomes of cancer patients undergoing systemic therapy. <i>Cancer Res</i> 2009, <b>69</b> (21):8302-8309.	9.826
19	<b>Cheng F</b> , Shen J, Xu X, Luo X, Chen K, Shen X, Jiang H: Interaction models of a series of oxadiazole-substituted alpha-isopropoxy phenylpropanoic acids against PPARalpha and PPARgamma: molecular modeling and comparative molecular similarity indices analysis studies. <i>Protein Pept Lett</i> 2009, <b>16</b> (2):150-162.	1.046
18	Wang Q, <b>Cheng F</b> , Lu M, Tian X, Ma J: Crystal structure of unliganded influenza B virus hemagglutinin. <i>Journal of virology</i> 2008, <b>82</b> (6):3011-3020.	4.272
17	<b>Cheng F</b> , Wang Q, Chen M, Quioco FA, Ma J: Molecular docking study of the interactions between the thioesterase domain of human fatty acid synthase and its ligands. <i>Proteins: Structure, Function, and Bioinformatics</i> 2008, <b>70</b> (4):1228-1234.	2.397
16	<b>Cheng F</b> , Sun H, Zhang Y, Mukkamala D, Oldfield E: A solid state <sup>13</sup> C NMR, crystallographic, and quantum chemical investigation of chemical shifts and hydrogen bonding in histidine dipeptides. <i>J Am Chem Soc</i> 2005, <b>127</b> (36):12544-12554.	15.0
15	Yu C, Chen L, Luo H, Chen J, <b>Cheng F</b> , Gui C, Zhang R, Shen J, Chen K, Jiang H <i>et al</i> : Binding analyses between Human PPARgamma-LBD and ligands. <i>Eur J Biochem</i> 2004, <b>271</b> (2):386-397.	3.579
14	<b>Cheng F</b> , Oldfield E: Inhibition of isoprene biosynthesis pathway enzymes by phosphonates, bisphosphonates, and diphosphates. <i>J Med Chem</i> 2004, <b>47</b> (21):5149-5158.	5.896
13	Zhu W, Tan X, Shen J, Luo X, <b>Cheng F</b> , Mok PC, Ji R, Chen K, Jiang H: Differentiation of cation- $\pi$ bonding from cation- $\pi$ intermolecular interactions: a quantum chemistry study using density-functional theory and Morokuma decomposition methods. <i>The Journal of Physical Chemistry A</i> 2003, <b>107</b> (13):2296-2303.	2.663
12	Xu XY, <b>Cheng F</b> , Shen JH, Luo XM, Chen LL, Yue LD, Du Y, Ye F, Jiang SH, Zhu DY: Agonist-PPAR $\gamma$ interactions: Molecular modeling study with docking approach. <i>International journal of quantum chemistry</i> 2003, <b>93</b> (6):405-410.	1.569
11	Shen L, Shen J, Luo X, <b>Cheng F</b> , Xu Y, Chen K, Arnold E, Ding J, Jiang H: Steered molecular dynamics simulation on the binding of NNRTI to HIV-1 RT. <i>Biophys J</i> 2003, <b>84</b> (6):3547-3563.	3.743
10	Shen J, Xu X, <b>Cheng F</b> , Liu H, Luo X, Shen J, Chen K, Zhao W, Shen X, Jiang H: Virtual screening on natural products for discovering active compounds and target information. <i>Curr Med Chem</i> 2003, <b>10</b> (21):2327-2342.	3.508

9	Liu H, Li Y, Song M, Tan X, <b>Cheng F</b> , Zheng S, Shen J, Luo X, Ji R, Yue J <i>et al</i> : Structure-based discovery of potassium channel blockers from natural products: virtual screening and electrophysiological assay testing. <i>Chem Biol</i> 2003, <b>10</b> (11):1103-1113.	6.809
8	<b>Cheng F</b> , Shen J-h, Luo X-m: Research progress in PPARgamma agonists. <i>Chinese Journal of Medicinal Chemistry</i> 2003, <b>13</b> (2):110-118.	NA
7	Luo X, <b>Cheng F</b> , Tan X-j, Tan C, Zhu D, Shen J, Huang X, Liu T, Chen K, Jiang H: Structural Feature of AChE Inhibitor Huperzine B in Nature and in the Binding Site of AChE: Density Functional Theory Study Combined with IR Determination. <i>Journal of Theoretical and Computational Chemistry</i> 2002, <b>1</b> (01):81-92.	0.939
6	Jiang B, Xiong W-N, Yang C-G, Jiang H-L, <b>Cheng F</b> , Chen K-X: Structure-based 3-D-QSAR analysis of marine indole alkaloids. <i>Bioorganic &amp; Medicinal Chemistry</i> 2002, <b>10</b> (8):2775-2778.	2.880
5	<b>Cheng F</b> , Zhang R, Luo X, Shen J, Li X, Gu J, Zhu W, Shen J, Sagi I, Ji R: Quantum chemistry study on the interaction of the exogenous ligands and the catalytic zinc ion in matrix metalloproteinases. <i>The Journal of Physical Chemistry B</i> 2002, <b>106</b> (17):4552-4559.	3.177
4	<b>Cheng F</b> , Shen J, Luo X, Zhu W, Gu J, Ji R, Jiang H, Chen K: Molecular docking and 3-D-QSAR studies on the possible antimalarial mechanism of artemisinin analogues. <i>Bioorg Med Chem</i> 2002, <b>10</b> (9):2883-2891.	2.880
3	<b>Cheng F</b> , Shen J, Luo X, Jiang H, Chen K: Steered molecular dynamics simulations on the "tail helix latch" hypothesis in the gelsolin activation process. <i>Biophys J</i> 2002, <b>83</b> (2):753-762.	3.743
2	<b>Cheng F</b> , Liu H, Luo X, Jiang H, Shen J, Chen K, Ji R: Progress in the Design of Matrix Metalloproteinase Inhibitors. <i>Progress In Chemistry</i> 2001, <b>4</b> :006.	NA
1	Kleifeld O, Van den Steen PE, Frenkel A, <b>Cheng F</b> , Jiang HL, Opdenakker G, Sagi I: Structural characterization of the catalytic active site in the latent and active natural gelatinase B from human neutrophils. <i>J Biol Chem</i> 2000, <b>275</b> (44):34335-34343.	4.323

## 5.2 Book and Book Chapters

No	Book	Date
3	<b>Pharmacovigilance and FDA FAERS Data Analysis</b> (CRC Press) by <b>Feng Cheng</b> and Robert Morris In Preparation	
2	<b>RNA-Seq in Drug Discovery and Development (Drugs and the Pharmaceutical Sciences) 1<sup>st</sup> edition</b> (CRC Press) by <b>Feng Cheng</b> and Robert Morris <i>*The book was selected as "The Author of "The Book of the Month" of USF Health</i>	2023
1	<b>Multi-gene expression-based statistical approaches to predicting patients' clinical outcomes and responses.</b> by <b>Feng Cheng</b> , Sang-Hoon Cho, Jae K Lee <i>Methods Mol Biol</i> 2010, <b>620</b> :471-484. <b>Springer</b>	2010

### 5.3 Patent

No	Patent	Date
1	<b>Compositions and Methods for Predicting Hepatotoxicity</b> inventors Jae Kyun Lee, Feng Cheng, and Dan Theodorescu U.S. Provisional Patent Application Serial No. 61/692,863	2010

### 5.4 Invited presentation

No	Presentation	Date
17	<b>"Alzheimer's Drug and Heart Disease"</b> 10th Annual Meeting of the North American Section of the International Academy of Cardiovascular Sciences, Tampa, FL, USA	2023
16	<b>"The Association Between Bradycardia and the Use of Remdesivir"</b> International Conference on Intelligent Biology and Medicine (ICIBM 2023), Tampa, FL, USA	2023
15	<b>"The Association between the Usage of Non-Steroidal Anti-Inflammatory Drugs and Cognitive Status"</b> (Invited Talk) American Alzheimer's Association GAAIN Webinar	2020
14	<b>"FDA Adverse Event Reporting System"</b> (Invited talk) USF 2nd Annual Conference on the Frontiers of Statistics, Tampa, FL	2018
13	<b>"Bioinformatics in Drug Research"</b> <i>USF College of Pharmacy Graduate Program Seminar, Tampa, FL</i>	2018
12	<b>"Characterization of the Mechanism of Drug-drug Interactions from PubMed Using MeSH Terms"</b> 15th Annual Rocky Mountain Bioinformatics Conference Aspen/Snowmass, Colorado	2017
11	<b>"Identify Taxonomic Profiles of the Salivary Microbiome Associated with Type 1 Diabetes"</b> <i>Georgetown University, Department of Biostatistics, Bioinformatics and Biomathematics (Bio3) Seminar Series, Washington, DC</i>	2017
10	<b>"Sample Size Calculation"</b> <i>USF College of Pharmacy Clinical Research Workshop, Tampa, FL</i>	2017
9	<b>"Identify Taxonomic Profiles of the Salivary Microbiome Associated with Type 1 Diabetes"</b> <i>Yale University, School of Medicine, New Haven, CT</i>	2017
8	<b>"Comparing groups for statistical differences: how to choose the right statistical test?"</b> <i>USF College of Pharmacy Department of Pharmacotherapeutics and Clinical Research (PCR) Faculty Retreat Presentation, Tampa, FL</i>	2017
7	<b>"Bioinformatics in Drug Discovery"</b> USF Byrd Institute research Seminar, Tampa, FL	2016
6	<b>"A novel algorithm for analyzing drug-drug interactions from MEDLINE literature"</b> <i>The 2016 Great Lakes Bioinformatics Conference, Toronto, Canada (Conference Presentation)</i>	2016
5	<b>"Introduction of Expression Microarray Data Analysis"</b> <i>USF Interdisciplinary Data Sciences Consortium, Tampa, FL</i>	2015
4	<b>"The application of microarray in brain development"</b> <i>USF Current Topics in Pathology &amp; Cell Biology Seminar, Tampa, FL</i>	2015



3	<b>“Exploring the mysteries of traditional Chinese medicine systematically by expression microarrays”</b> <i>USF Symposium on Chinese Medicine: When the East Meets the West, Tampa, FL</i>	2014
2	<b>“Transcriptomic Analysis of Human Brain Development and Smoking Effects on Lung”</b> <i>USF Department of Cell Biology, Microbiology and Molecular Biology (CMMB) Seminar, Tampa, FL</i>	2013
1	<b>“Applications of Microarray Technique to Drug Liver Toxicity Prediction and Brain Development”</b> <i>USF Chemistry Department's Colloquium, Tampa, FL</i>	2013

## 5.5 Research poster

No	Poster:	Year
22	<b>Feng Cheng</b> , Robert Morris, Rahinatu Ali, Jie Zhang, and Jin Wei, “The Association between COVID-19 Medications and Acute Kidney Injury: Analysis of the FDA Adverse Event Reporting System (FAERS) and Bulk Kidney RNA-seq Data.” 2023 American Society of Nephrology Annual Meeting, Philadelphia, PA, USA	2023
21	Rishi Gandhi, Priyanka Sharma, <b>Feng Cheng</b> , Sheeba Varghese Gupta, and Vijaykumar Sutariya. “Chest pain risk of patients prescribed Sumatriptan.” 10th Annual Meeting of the North American Section of the International Academy of Cardiovascular Sciences, Tampa, FL, USA	2023
20	Jennifer Stalas, Kevin von Bargaen, and <b>Feng Cheng</b> ; “Comparing Combined Oral Contraceptives: Norethindrone/ ethinyl estradiol and Drospirenone/ ethinyl estradiol”. 2022 The Florida Society of Health-System Pharmacists (FSHP) contest	2022
19	Jennifer Stalas, Kathryn Sanford, Kevin von Bargaen, Rebekah Largmann, Jacob Vandeventer, and <b>Feng Cheng</b> ; “Comparing Combined Oral Contraceptives: Norethindrone/ ethinyl estradiol and Drospirenone/ethinyl estradiol”. 2022 USF Health Research Day	2022
18	Chandni Patel and <b>Feng Cheng</b> ; “The Analysis of Adverse Events of the Nanoparticle Formulation of Paclitaxel, Abraxane Using the Real-World data from the FDA Adverse Event Reporting System”; 2022 Global Nanobiotechnology Conference	2022
17	James M. Raby III, Bailey Brogdon, Mackenzie Coleman, Alexa Rodriguez, Lin Yang, and <b>Feng Cheng</b> ; “The Association Between GLP-1 Agonists and Pancreatitis”. 2021 USF Health Research Day	2021
16	Robert Morris and <b>Feng Cheng</b> ; “The Association between the Usage of Non-Steroidal Anti-Inflammatory Drugs and Cognitive Status” 2021 USF Health Research Day	2021
15	Kavitha Davis, Rahul Jose; and <b>Feng Cheng</b> ; “Renal Toxicity effect in Diabetic Patients upon Consumption of Sulfonylureas” 2019 USF Health Research Day	2019
14	Dekai Rohlsen, <b>Feng Cheng</b> ; “A Web Server for Identification of Pharmacokinetic DDIs” 2018 USF Health Research Day	2018

13	Luis Franco, Delroy Fong, Dekai Rolhsen, Hong Huang, Yicheng Tu, and <b>Feng Cheng</b> , "Automated text mining algorithm to identify drug side effects and drug-drug interactions from Yahoo! Answers" 2018 USF Health Research Day	2018
12	Hayley Rein, and <b>Feng Cheng</b> , "Identification of Methylation Biomarkers to Predict the Efficacy of Cisplatin using NCBI60 Cancer Cell Line Methylomes" 2018 USF Health Research Day ( <i>Selected for oral presentation</i> )	2018
11	Xu L, <b>Cheng F</b> , O'Brien JL, Ajami NJ, Burkhardt BR, Snell-Bergeon JK, Petrosino JF, Alman AC, "Identify Taxonomic Profiles of the Subgingival Microbiome Associated with Type 1 Diabetes", 20th annual National Delta Omega Poster Competition	2017
10	Xu L, <b>Cheng F</b> , O'Brien JL, Ajami NJ, Burkhardt BR, Snell-Bergeon JK, Petrosino JF, Alman AC, "Identify Taxonomic Profiles of the Subgingival Microbiome Associated with Type 1 Diabetes", 2017 USF Health Research Day	2017
9	Yen TH, Lu Y, <b>Cheng F</b> , "Expression Changes of Gene Expression in Peripheral Blood Mononuclear Cell after Exposure to Smoke Condensate" 2016 USF Health Research Day	2016
8	Nagar C, Lu Y, <b>Cheng F</b> , "Pathway Analysis of Rosiglitazone on Liver, Pre-adipocytes and Dendritic Cells", 2016 USF Health Research Day	2016
7	Hamami S, Lu Y, <b>Cheng F</b> , Huang H, "Analysis of Yahoo! Answer Questions Regarding Hypertension Medication, Lisinopril", 2016 USF Health Research Day	2016
6	Gryzinski G, Lu Y, Huang H, <b>Cheng F</b> , "System Analysis of Yahoo! Answers Questions About Azithromycin's Side Effects", 2016 USF Health Research Day	2016
5	Xu, Y, Hu, B, Alajm S, Lu Y, Allen-Gipson D, <b>Cheng F</b> , "SEGEL: a Web Server for Visualization of Smoking Effects on Human Lung Gene Expression", 2015 Great Lake Bioinformatics Conference, Purdue University, West Lafayette, IN	2015
4	MohanKumar, K, <b>Cheng F</b> , Lu Y, Namachivayam K, Luciano AA, Maheshwari A., "Murine NEC-like Injury activates Myeloid Cell-specific Inflammatory Transcriptional Networks", 2015 Pediatric Academic Societies Annual Meeting, San Diego, CA	2015
3	Nagar C, Lu Y, Huang H, <b>Cheng F</b> , "Identification of Drug-drug Interactions by Mining the NCBI PubMed Database", 2015 USF Health Research Day	2015
2	Shen D, Hamami S, Gryzinski G, Lu Y, <b>Cheng F</b> , "Identification of genetic biomarkers for brain cancer development", 2015 USF Health Research Day	2015
1	Xu Y, Alajm S, Yan J, <b>Cheng F</b> , "TIBS: A Web Database to Browse Gene Expression in Irritable Bowel Syndrome", 2014 USF Health Research Day	2014

## 6. Teaching

### 6.1 Course List

Course No	Course Name	Role	Year
<i>USF TCOP PharmD courses</i>			
PHA6915	Pharmacy Longitudinal Research Project PY3	Course coordinator	2018-present
PHA6081	Pillars II	Course co-coordinator	2023-present
PHA6795	Research Methods and Biostats PY2	Course co-coordinator	2012-2022
PHA6243	Medical Informatics & Tech PY3	Course co-coordinator	2012-2022
PHA6907	Critical Thinking and Problem Solving	Course co-coordinator	2013-2014
PHA6081	Pillars I	Instructor	2021-present
PHA6782	Pharmacotherapeutics I	Instructor	2018-present
PHA6783	Pharmacotherapeutics II	Instructor	2018-present
PHA6784	Pharmacotherapeutics III	Instructor	2013-present
PHA6787	Pharmacotherapeutics IV	Instructor	2018-present
PHA6577	Biochem & Mol Prin Drug Action	Instructor	2013-present
PHA6185	Drug Discovery & Frontier	Instructor	2015-present
PHA6352	Herbal Medicines and Alternative Therapy	Instructor	2013-present
PHA6792	Evidence-based Clin Reason II	Instructor	2021-present
PHA6130	Translational Pharmacogenomics	Instructor	2013-2022
PHA6740	Grant Writing and Clinical Research	Instructor	2014
PHA7928	Professional Forum	Instructor	2016
<i>USF TCOP Graduate Program courses</i>			
PHA6712	Experimental Design and Biostatistics	Course coordinator	2022-present
PHA6532	Pharmaceutical Informatics	Course coordinator	2021-present
PHA6449	Prospects in Pharmacogenomics	Instructor	2015-present
PHA6185	Drug Discovery & Frontier	Instructor	2015-present
PHA6797	Scientific Writing and Communications	Instructor	2018-present
PHA6971	Master's Thesis	Instructor	2018-present
<i>USF main campus courses</i>			
IDH4930	Seminars in Pharmacy	Instructor	2018-present
IDH4950	Honors Project	Instructor	2017-2018
IDH4970	Honors Thesis	Instructor	2019-2020



IDS4914	Adv Undergrad Research Exp	Instructor	2019
BSC4434 /BSC5931	Bioinformatics in Biological Research	Instructor	2013-2015

## 6.2 Teaching evaluation score from students

Semester	Pharm. D. Class year	Rating of Teaching Ability (out of 5)
Spring 2023	PY2, and PY3	4.76
Fall 2022	PY1, PY2, and PY3&grad	4.60
Spring 2022	PY2, and PY3	4.55
Fall 2021	PY1, PY2, and PY3	4.61
Spring 2021	PY2, and PY3	4.46
Fall 2020	PY1, PY2, and PY3	4.40
Summer 2020	PY3	4.61
Spring 2020	PY2, and PY3	4.58
Fall 2019	PY1, PY2, and PY3	4.59
Spring 2019	PY1, PY2, and PY3	4.63
Fall 2018	PY2, and PY3	4.88
Spring 2018	PY1, PY2, and PY3	4.5
Fall 2017	PY2	4.65
	PY3	4.4
Spring 2017	PY1	4.52
	PY2	4.23
	PY3	5.00
Fall 2016	PY2	4.34
	PY3	4.51
Spring 2016	PY1	4.00
	PY2	4.28
	PY3	4.83
Fall 2015	PY2	4.43
	PY3	4.63
Spring 2015	PY1	4.02
	PY2	4.09
	PY3	4.45
Fall 2014	PY2	4.09
	PY3	4.47
Spring 2014	PY2	4.21
Fall 2013	PY2	4.16
Spring 2013	PY2	3.71
Fall 2012	PY2	4.11

### 6.3 Supervisory

No	Student Name	Year
<i>Postdoc</i>		
1	Yin Lu	2014-2016
<i>Master students</i>		
5	Rondel Thorpe (USF Department of Bioengineering Master Student)	2023-present
4	Rahinatu Ali (TCOP Master Students)	2023-present
3	Gibret Umeukeje (TCOP Master Students)	2020-2022
2	Shih-Yi Hsu (TCOP Master Students)	2018-2020
1	Sammy Alnajm (Master Student, University of Cologne, German)	2013-2015
<i>OPS students</i>		
16	Robert Morris	2019-present
15	Weiru Han	2022-2023
14	Kun Bu	2021-2023
13	Di Kang	2021
12	Hao Zhou	2019
11	Yuanyuan Lu	2019
10	Rahul Jose Panthappallil	2018-2019
9	Hasan Syed	2018-2019
8	Minh Pham	2018
7	Lan Xu	2018
6	Dekai Rohlsen	2017-2018
5	Chengcheng Mou	2017
4	Maxwell Pietsch	2015-2016
3	Yiru Wu	2014
2	Yan Xu	2013-2014
1	Hanzhe Zhang	2013
<i>Pharm D Pharmacy Longitudinal Research Project (PLRP) students</i>		
10	Benjamin Lord, Lila Hamed, Elisabeta Kavaja, and Anjali Jokhulall	2023-2025
9	Jacob Ward, Savanah Wood, Madison Martin, Ariana Crescitelli, and Paola Hernandez Velez	2022-2024
8	Megan Todd, Nicole Zapata Aponte, Milagros Salcedo, Matthew Bruckner, Alfredo Suarez Garcia, and Rachel Webb	2021-2023
7	Jennifer Stalas, Kevin von Bargaen, Rebekah Largmann, Kathryn Sanford, and Jacob Vandeventer	2020-2022
6	James M. Raby III, Bailey Brogdon, Mackenzie Coleman, Alexa Rodriguez, and Lin Yang	2019-2021
5	Adam Chalela, Arun Abraham, Peter Won, Jay Patel, and Jay Patel	2018-2020
4	Stanley Jean-Charles, Lisa Phan, and Jackie Zembron	2017-2019
3	Tyler King, Fang Fang, Chris Fung-on, Luis Polanco, and Bryan Figler	2016-2018
2	Rowshan Chowdhury and Kaitlyn Strauss	2015-2017
1	Chetan Nagar, Andrew Brestel, Endrit Toska, and Richard Arnold	2014-2016
<i>USF Honor students</i>		
2	Hunter Luboff	2019-2020
1	Rein Hayley	2017-2018

## 6.4 Student Committee member

Department	Student Name
<b><i>Ph. D Student Committee member</i></b>	
Chemistry	Cong Pan, AnneMarie VanderSchouw, Olapeju Bolarinwa Yu Yu Win, Sami, Abdulkadir Meng Gu, Menglin Xue, Songyi Xue, Lei Wang, Heng Liu, Sihao Li Xueying Ge
	Xue Zhao, Yafeng Wang, Ruixuan Gao, Zhanpeng Zhang, Huaxuan Yu, Yunpeng Cui, Chuan Shan, Minghui Wang, Bo Song, Fengyu She, Ning Ma
Biostatistics, College of Public Health	Meng Wang Yuanyuan Lu Lan Xu
Computer Science	Chengcheng Mou, Jinghan Meng
Statistics	Kun Bu
Cell and Molecular Biology (CMMB)	Aqeela Erwin
<b><i>PhD Student Dissertation Defense Chair</i></b>	
Chemistry	Siqi Sun
Economics	Minglu Sun
<b><i>Master Student Committee member</i></b>	
TCOP	Kevin Nuno, Krishna Karia Bassma Eltanameli
Statistics	Minh Phan
Computer Science	Nadim Bou Zeidan Meryem Berrada

## 7. Service

### 7.1 Committee

Date	Committee
<b>University Level</b>	
2021-present	The <b>member</b> of USF Research Council Committee
<b>College Level</b>	
2022-present	The <b>member</b> of the TCOP Academic Review Committee
2020-2023	The <b>member</b> of Faculty Council Committee
2021-2022	The <b>vice chair</b> of the Student Fair Committee
2020-2021	The <b>member</b> of the Student Fair Committee
2018-2020	The <b>member</b> of the Research Committee
2015-2018	The <b>member</b> of the Admission Committee
2015-2017	The <b>member</b> of the Pharmacy Longitudinal Research Project Committee
2016-2017	The <b>Co-Chair</b> of the Admission Committee
2013-2016	The <b>member</b> of the Assessment Committee
2012-2015	The <b>member</b> of Academic Review and Professional Student Affairs Committee
2012-2015	The <b>member</b> of Faculty Council Committee
<b>Department level</b>	
2018-present	The <b>member</b> of the Promotion & Tenure (P&T) Committee of DPS
2018-2019	The <b>member</b> of the Faculty Search Committee of PCR
2013-2016	The <b>Chair</b> of the Promotion & Tenure (P&T) Committee of DPS

### 7.2 Grant Reviewer

Date	Grant reviewer
2023	<b>USF internal grants reviewer including</b> Conference Support Grant Creative Scholarship Grant Faculty International Travel Grant New Research Grant Proposal Enhancement Grant USF best researcher award USF Faculty Outstanding Research Achievement Award (ORAA) NSF Major Research Instrumentation nomination from USF Andrew Carnegie Fellows nomination from USF Searle Scholars Program nomination from USF Ed And Ethel Moore AD Research Program nomination from USF USF Strategic Investment Pool (SIP) Awards
2021	National Science Foundation (NSF) SBIR/STTR grant reviewer
2021	USF Proposal Enhancement Grant
2019	USF Proposal Enhancement Grant
2019	MBRU-ALMAHMEED Collaborative Research Award
2019	United Kingdom Research Innovation Medical Research Council Grant
2018	USF Proposal Enhancement Grant

### 7.3 Judge service

Date	Judge
2023	USF Health Research Day Oral Presentation
2019	USF Health Research Day (for Posters of MCOM Med II Student)
2018	USF Health Research Day (for Posters of MCOM Med II Student)
2017	USF 9th Annual Graduate Research Symposium
2017	USF Health Research Day (for Posters of MCOM MD and Doctoral Graduate Students)
2015	USF Health Research Day (for Posters of COP Graduate Students)

### 7.4 Symposium/meeting Organizer:

Date	Meeting
07/2023	The local Chair of the International Conference on Intelligent Biology and Medicine (ICIBM 2023), Tampa, FL, USA
02/2019	USF College of Pharmacy Cultural Diversity Program “Celebrating Chinese New year
01/2016	USF College of Pharmacy Cultural Functions: “Three Kings Day & Chinese New Year”
06/2014	USF College of Pharmacy Research Symposium: “Chinese Medicine: When the East Meets the West”

### 7.5 Faculty Advisor for Student Organizations:

Date	Student Organization
2014- present	Co-advisor of the Innovation Technology and Entrepreneurship in Healthcare (iTEHC)
2017-2020	Coach for the USF table tennis club

### 7.6 Student Successful Coach of USF Pharm D. Students:

Class	Student Name
Class 2017	John P. Rodgers, Leigh Gutowski, Vaibhav Alandikar, Stephanie Cameron, Martina Prusac, Anna Anderson, Idella Vaught, Ramiek Campbell, Nhat Hoang
Class 2018	Davis Livesay, Clarissa Maravilla, Jean Marc Romeus, Patrick Dammar, Michael Carulli
Class 2019	Derek Schulz, and Jean Gailbort
Class 2020	Heather Lyons, and Jonathan Summerlin
Class 2021	Niyousha Elmi, Oscar Kuan, and Taylor Faas
Class 2022	Eric Chen, David Herrera-Perez, and Gabrielle Large
Class 2023	Easton Bracey, and Kalya Crooks
Class 2024	Alexander Coughlin, and Shayonna Pender
Class 2025	Kasey Bransford, Michael Girgis, Nicole Fortner-Rodriguez, and Vivian Tu
Class 2026	Ashley Chan, and Jeanne Dreyer
Class 2027	Aziya Bowen, Oanh Nguyen, and Jasmine Salavics

## 7.7 Editorial board member

Date	Journal
2017-present	Editor-in-chief of <i>Open Bioinformatics Journal</i> (Bentham publication)
2017-present	Editorial board member of <i>Scientific Reports</i> (Nature publication)
2021-present	Editorial board member of <i>Journal of Alzheimer's Disease</i> (IOS press)
2021-present	Editorial board member of <i>Genes</i> (MDPI publication)
2015-present	Editorial board member of <i>Journal of Biomedical Science and Engineering</i>

## 7.8 Journal Reviewer

Date	Journal
2020-2023	<i>Scientific Reports</i> (Nature Publisher)
2023	<i>Heliyon</i> (Cell press)
2023	<i>Molecular Psychiatry</i> (Nature Publisher)
2023	<i>Patterns</i> (Cell press)
2023	<i>Frontiers in Genetics</i>
2022	<i>International Journal of Environmental Research and Public Health</i> (MDPI)
2022,2021	<i>Acta Pharmaceutica Sinica B</i> (Elsevier)
2022	<i>BMC supplies</i> (Springer Nature)
2021	<i>Genes</i> (MDPI)
2020	<i>European Journal of Medicinal Chemistry</i>
2019	<i>Chemical Biology &amp; Drug Design</i>
2016	<i>Bioinformatics</i> (Oxford Academic)
2016	<i>Cerebral Cortex</i> (Oxford Academic)
2014	<i>Molecular Neurobiology</i> (Springer)
2012	<i>Journal of Physical Organic Chemistry</i> (Wiley)