

Curriculum vitae

Date Prepared: April 5, 2020

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Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2000	B.S.	Biochemistry	East China Normal University, China
2005	Ph.D.	Neurobiology	Institute of Neuroscience, Chinese Academy of Sciences, China

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2006 - 2011	Post-doc	Developmental Neurobiology	University of California, San Francisco/HHMI, CA

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2005-2006	Research Associate	Lab of Shumin Duan	Institute of Neuroscience, Chinese Academy of Sciences
2006	Research Associate	Lab of Zuoren Wang	Institute of Neuroscience, Chinese Academy of Sciences
2006	Visiting Scholar	Lab of Chi-Keung Chan	Institute of Physics Academia Sinica, Taiwan
2011-2013	Associate specialist	Lab of Lily Jan	University of California, San Francisco/HHMI
2013 - 2019	Assistant Professor	Children's Research Institute	Assistant Professor, Children's Research Institute

			Department of Pediatrics Department of Neuroscience Department of Neurology & Neurotherapeutics University of Texas Southwestern Medical Center
2019/12-now	Senior Investigator	N/A	Chinese Institute for Brain Research

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2003	Di-AO Award	Chinese Academy of Sciences
2004	China's Top 10 News in Biomedical Sciences and Technology in 2003	Ministry of Science and Technology of the People's Republic of China
2006	50 Excellent Ph.D. Thesis in 2006	Chinese Academy of Sciences
2007	China's Top 10 Advances in Basic Research in 2006	Ministry of Science and Technology of the People's Republic of China
2007	Human Frontier Science Program Long-term Fellowship Award	Human Frontier Science Program
2008	100 Excellent Ph.D. Thesis of China	Ministry of Education of the People's Republic of China
2010	The State Natural Science Award (2 nd Contributor)	The State Council, the People's Republic of China
2011	NINDS Pathway to Independence Award (K99/R00)	National Institutes of Health
2017	The Bugher-American Heart Association Dan Adams Thinking Outside the Box Award	American Heart Association (AHA)

Committee Service (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
2016–	Serve as member the PRC subcommittee of UTSW graduate student admissions committee	Graduate School of Biomedical Sciences, UT Southwestern Medical Center
2015–	Serve as member of qualifying committee, Neuroscience qualifying exam, Yuh-tarng Chen, Ashley Anderson	Neuroscience Program, UT Southwestern Medical Center
2014–	Serve as member thesis committee Julian Zhu (UTSW), Rebecca Brulet (UTSW), Bujie Du (UTD)	Neuroscience Program, UT Southwestern Medical Center/UTD Department of Chemistry

Professional Societies

Dates	Society Name, member
2008–	Member, Endocrine Society
2009–	Member, Society for Developmental Biology
2011–	Society for Neuroscience
2014–	Member, American Heart Association

Grant Review Activities

Year(s)	Name of Review Committee	Organization
2019	Neurogenesis and Cell Fate Study Section (NCF)	NIH

Editorial Activities

Year(s)	Journal Name
<u>Editor/Associate Editor</u>	
<u>Editorial Boards</u>	
<u>Ad Hoc Reviewer</u>	
2010–	<i>Molecular Biology Report</i>
2011–	<i>Proceedings of the National Academy of Sciences U.S.A.</i>
2011–	<i>Science</i>
2013–	<i>Developmental Neurobiology</i>
2013–	<i>Molecular Brain</i>
2014–	<i>Biomedical Optics Express</i>
2014–	<i>Journal of Biomedical Optics</i>
2015–	<i>Brain Research</i>
2015–	<i>Neuroscience</i>
2015–	<i>NeuroReport</i>
2015–	<i>Scientific Report</i>
2015–	<i>Neural Plasticity</i>
2015–	<i>Journal of Neuroscience</i>
2015–	<i>Molecular and Cellular Biology</i>
2016–	<i>Nature Communications</i>
2016–	<i>FASEB J</i>
2016–	<i>Translational Stroke Research</i>
2017–	<i>Protein & Cell</i>

2017–	<i>Molecular Neurobiology</i>
2018–	<i>Aging and diseases</i>
2019–	<i>Neuroscience Bulletin</i>

Grant Support

	NINDS, R01 (transferred to my collaborator after 5/2020)
	Principle Investigator
	Mechanism of communication between gliomas and glial cells
	R01NS104009
	04/01/2019 – 03/31/2024
	Jonesville Foundation for Pediatric Cancer
	Principle Investigator
	Targeting KCND potassium channels for the treatment of pediatric glioblastomas
	01/01/2019 – 12/31/2019
	NINDS, Exploratory/Development Grant (R21)
	Co-Investigator
	Effects of Aging on Blood Vessels in Cerebellar Vermis
	1R21AG060306
	04/01/2019 – 03/31/2021

	NINDS, Exploratory/Development Grant (R21)
	An optogenetic approach to study axonal repair in the brain
	R21NS099950
	American Heart Association, AWRP Summer 2016 Innovative Research Grant
	Investigation of the role of smooth-muscle cells in ischemia with magnetic force
	Principle Investigator
	AHA grant: 17IRG33410377
	1/1/2017 – 12/31/2018
	NINDS Pathway to Independence (PI) Award (K99/R00)
	Local proliferation of glia and their interaction with blood vessels
	Principle Investigator
	Project Number: R00NS073735
	06/01/2011 – 05/31/2016

	UT Southwestern High Impact / High Risk Grant
	Targeting ion channels to treat brain tumor
	Principle Investigator
	10/01/2015 – 09/30/2016
	Human Frontier Science Program (HFSP) Long-term Fellowships
	Glial Cell Function in Drosophila Nervous System
	LT00043/2007-L
	05/01/2007 – 04/30/2010

Teaching Activities

Year(s)	Activity
Medical and graduate school didactic and small group teaching	
2014	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center
2015	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center
2016	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center
2017	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center
2017	Introduction of Neuron, Glia and Ion Channels (University of Texas, Dallas, Chemistry Department)
2017	Neurotechniques Course (10 weeks, Neuroscience Program, UT Southwestern Medical Center)
2018	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center
2018	Responsible Conduct of Research Course: Data & Image Manipulation
2019	Lecturer, Glial Cell Biology (Course: Fundamentals of Neuroscience), Neuroscience Program, UT Southwestern Medical Center

Invited Lectures

Year(s)	Title	Location
National		

Jun. 14-17, 2014	Title: Glial cell generation and their interaction with blood vessels.	12th International Conference on Photonics and Imaging in Biology and Medicine, Wuhan, China (PIBM 2014).
Jun. 22-26, 2015	Title: Glial cell generation and their interaction with blood vessels.	Cold Spring Harbor Asia Conference on the Glia: New Insights about Their Functions and Dysfunctions, Suzhou, China.
Jun. 5, 2014	Glial cell generation and its interaction with brain vasculature	Institute of Biophysics of Chinese Academy of Sciences, Beijing, China
Jul. 2, 2015	Title: Glial generation in the postnatal brain	School of Medicine, Shanghai Jiaotong University, Shanghai, China
Jul. 6, 2015	Title: Glial generation in the postnatal brain	Shanghai 10th People's Hospital, Tongji University, Shanghai, China
Oct. 7, 2016	Title: Astrocyte-glioma cell interaction in the brain	Texas Fresh Air, 2016 Annual Conference, Grand Challenges in Neuroscience, Austin, Texas
Mar. 7, 2017	Crosstalk between gliomas and astrocytes (Invited by Prof. Benjamin Deneen)	Center for Cell and Gene Therapy, Department of Neuroscience, Baylor College of Medicine
Jul. 25, 2017	Vascular regression in the adult mammalian brain Invited by Profs. Ji Hu and Wenzhi Sun	ShanghaiTech University, Shanghai, China
Aug. 4, 2017	Vascular regression in the adult mammalian brain Invited by Prof. Xiangyao Li	Institute of Neuroscience, Zhejiang University, Hangzhou, China
Aug. 5/6, 2017	Glioma-glia interaction Invited by the symposium committee	Chair of the symposium Neuron-glia interaction symposium
Oct. 18, 2017	Regression of brain vasculature regression in adult mammals By Prof. Xunming Ji, the Vice President of Xuanwu Hospital	Capital Medical University, Beijing
Oct. 21, 2017	Vascular Regression of in the adult mammalian Brain	Pangu International Stroke Conference, Xi-An, China
Jan. 10, 2018	Vascular Regression of in the adult mammalian Brain	The Solomon H. Snyder Department of Neuroscience, School of Medicine, John Hopkins University
Mar. 1, 2018	Microvascular plasticity in the adult mammalian brain	The Raymond G. Perelman Center for Cellular and Molecular Therapeutics at CHOP, University of Pennsylvania
Mar. 15, 2018	Vascular regression of in the adult mammalian Brain	Gorge Washington University, Department of Pharmacology and Physiology

April 13, 2018	Plasticity of the brain microcirculation	National Institute of Biological Science, Beijing
Jul. 6-9, 2018	Interaction of glioma and brain microenvironments	Session: Glia in health and disease, QingDao, China discussion Leader
Jul. 5, 2018	Plasticity of the brain microcirculation	Institute of Zoology Chinese Academy of Sciences
Jul. 11, 2018	Plasticity of the brain microcirculation	Union Hospital, Fujian Medical University
Nov. 29, 2018	Plasticity of the brain microcirculation	Fudan University, Shanghai
Dec. 3-7, 2018	Gliomas of distinct origins interact with distinct brain cell types	Speaker Novel Insights into Glia Function & Dysfunction, China, Cold Spring Harbor Asia (CSHA)
Jan. 20-25, 2019	Blood Vessel Regression in Adult Mammalian Brains	Vascular Cell Biology Gordon Research Conference, Ventura 2019
May 8, 2019	Plasticity of the brain microcirculation	Dept. of Neurobiology and Physiology, University of Connecticut (Joseph LoTurco)
June 26, 2019	Blood vessel regression in the adult mammalian brain	Union Hospital, Huazhong Science & Technology University
July 4, 2019	Control of cerebral ischemia with magnetic nanoparticles: Magnetic bead occlusion model	BRAIN & BRAIN PET 2019 Yokohama Japan
Oct. 27, 2019	Plasticity of the brain microcirculation	Mayo Clinic, USA
Nov.20, 2019	Plasticity of the brain microcirculation	Sun Yat-Sen Memorial Hospital Sun Yat-Sen University
Nov. 21, 2019	Plasticity of the brain microcirculation	Sun Yat-Sen Memorial Hospital Sun Yat-Sen University
Nov. 23, 2019	Plasticity of the brain microcirculation	The Brain Cognition and Brain Disease Institute, Shenzhen Institutes of Advanced Technology
Nov. 27, 2019	Plasticity of the brain microcirculation	Institute of Neuroscience, Chinese Academy of Sciences
Nov. 29, 2019	Plasticity of the brain microcirculation	Shanghai Jiao Tong University School of Medicine
Dec. 1, 2019	Role of Potassium Channels in Glioblastomas	Capital Medical University
Regional		
Sep. 17-18, 2014	2014 Children's Research Institute Retreat. Title: the interactions between the brain vasculature and the nervous system	UT Southwestern Medical Center, Dallas
Apr. 1, 2014	Medical Scientist Training Program. Title: Glial cell generation and its interaction with brain vasculature. UT Southwestern, Dallas	UT Southwestern Medical Center, Dallas

Apr 28, 2014	2014 Neuroscience Program Retreat. Title: The interactions between the brain vasculature and the nervous system	Neuroscience Department, UT Southwestern Medical Center, Dallas
Sep. 11, 2014	New Faculty Research Forum, Title: The interactions between brain vasculature and the nervous system	UT Southwestern Medical Center, Dallas
Dec. 9, 2014	Bridging pericytes in the brain	Center for Pulmonary & Vascular Biology, UT Southwestern Medical Center, Dallas
Mar. 9, 2015	The interactions between brain vasculature and the nervous system, Neuroscience WIPs	Neuroscience Department, UT Southwestern Medical Center, Dallas
Apr. 20, 2015	Angiogenesis Seminar. Title: Bridging pericytes in the brain	Department of Surgery, UT Southwestern Medical Center, Dallas
Jun. 12, 2015	The interactions between the brain vasculature and glioblastomas	Children's Research Institute, UT Southwestern Medical Center, Dallas
Jul. 31, 2015	Endowed Scholar Seminar Title: Glial cell generation and its interaction with brain vasculature	UT Southwestern Medical Center, Dallas
Sep. 29, 2015	CRI Retreat. Title: The interaction between GBM and adjacent cells, UT Southwestern, Dallas	Children's Research Institute, UT Southwestern Medical Center, Dallas
Aug. 2, 2016	Title: Role for astrocytes in the development of gliomas	Harold C. Simmons Comprehensive Cancer Center Development and 2016 Cancer Retreat
Oct. 18, 2016	CRI Retreat. Title: Astrocyte-glioma cell interaction in the brain	Children's Research Institute, UT Southwestern Medical Center, Dallas
Nov. 19, 2016	Role for astrocytes in the development of gliomas (invited by Philip Shaul)	Pediatric Department Retreat, UT Southwestern Medical Center, Dallas
May 24, 2017	Invited by Prof. Stephen X. Skapek, MD, Chief, Division of Hematology/Oncology Department of Pediatrics Crosstalk between gliomas and astrocytes	Pediatric Neuro-Oncology – Potentials for Translational Research Introductory Meeting, UT Southwestern Medical Center, Dallas
Aug. 21, 2017	Regression of brain vasculature in the adult mammalian brain Invited by Michael Dellinger	Angiogenesis Seminar, UT Southwestern Medical Center, Dallas
Oct. 3, 2017	2017 Children's Research Institute Retreat. Title: Role of KCND2 potassium channels in glioblastomas,	Children's Research Institute, UT Southwestern Medical Center, Dallas
Jan. 20, 2018	Role of KCNDs in Glioblastomas	Cancer Biology Retreat, UT Southwestern Medical Center
Jan. 28, 2019	Plasticity of the brain microcirculation	Neuroscience department, UT Southwestern Medical Center

Technological and Other Scientific Innovations

Innovation
SIMPLE, Stroke Induced by Magnetic Nanoparticles (With Bianxiao Cui's lab at Stanford)
PEGASOS, polyethylene glycol (PEG)-associated solvent system (PEGASOS) (With Dr. Hu Zhao's lab at Texas A&M)

Service to the Community

Year(s)	Role	Organization or institution
2014. 2	Judge for the 2014 Graduate Poster Session, UT Southwestern Medical Center	UT Southwestern Medical Center
2014. 9	Interviewer for Medical school student for School of Medicine at UT Southwestern	UT Southwestern Medical Center
2014.9	Vice Chair, 1 st Retreat in Children Research Institute	UT Southwestern Medical Center

2015.2	Judge for the 2015 Graduate Poster Session, UT Southwestern Medical Center	UT Southwestern Medical Center
2015–Present	Chair, CRI monthly WIPs and Seminar	UT Southwestern Medical Center
2015.9	Chair, 2nd Retreat at Children Research Institute	UT Southwestern Medical Center
2015.11	Interviewer for Medical school student for school of medicine at UT Southwestern	UT Southwestern Medical Center
2015.12	Interviewer for MSTP student for school of medicine at UT Southwestern	UT Southwestern Medical Center
2015.12	Judge for the 2015 Neuroscience Graduate student WIPs Session, UT Southwestern	UT Southwestern Medical Center
2016.1	Interviewer for Neuroscience graduate program at UT Southwestern	UT Southwestern Medical Center
2016.1	Serve as member the PRC subcommittee of UTSW graduate student admissions committee	UT Southwestern Medical Center
2016.10.6–7	Co-chair (with Manzoor Bhat from UTHSCSA), Session, Glial Biology & Disease, Texas Fresh Air, 2016 Annual Conference, Grand Challenges in Neuroscience, Austin, Texas	UT Southwestern Medical Center
2017.8.5–6	Chair, Neuron-glia interaction, symposium, Hangzhou, China	Neuron-glia interaction committee
2014–Present	Mentor for Summer College Student and High School Teachers (Daniel Anchor, 2014; Kaitlin Valentine, 2015, 2016, 2017, Jennifer Hooker 2015 and 2016, Denise Contreras-Lopez, 2018.	STARS and UTSW SRP Program
2014-Present	Qualifying committee Neuroscience Qualifying Exam, Yuh-tarng Chen, Ashley Anderson, Jacob McClendon	Neuroscience Program, UT Southwestern Medical Center
10/1–12/10/2017	Interviewer for MSTP student for school of medicine at UT Southwestern Interviewer for Physician-scientist Training Program in Pediatrics (PSTP2)	UT Southwestern Medical Center
Apr. 14–15, 2018	Co-Chair of the session “Neuro-inflammation and neuro-immunology” of the 2nd Summit of Chinese Basic Science Research on Stroke 2018,	Beijing Tiantan Hospital affiliated to Capital Medical University

2/27/2019	Serve as a reviewer of Neurogenesis and Cell Fate Study Section (NCF)	San Francisco/invited by Dr. Joanne Fujii
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Bibliography

Peer-Reviewed Publications

Original Research Articles

* Corresponding author or co-corresponding author

1.	Zhang JM, Wang HK, Ye CQ, Ge WP , Chen Y, Jiang ZL, Wu CP, Poo MM, Duan S. (2003). ATP released by astrocytes mediates glutamatergic activity-dependent heterosynaptic suppression. <i>Neuron</i> . 40(5):971-982.
2.	Yang Y*, Ge WP* , Chen Y, Zhang Z, Shen W, Wu C, Poo M, Duan S. (2003). Contribution of astrocytes to hippocampal long-term potentiation through release of D-serine. <i>Proc Natl Acad Sci U S A</i> . 100(25):15194-15199.
3.	Jin W, Ge WP , Xu J, Cao M, Peng L, Yung W, Liao D, Duan S, Zhang M, Xia J. (2006). Lipid binding regulates synaptic targeting of PICK1, AMPA receptor trafficking, and synaptic plasticity. <i>J Neurosci</i> . 2006;26(9):2380-2390. PMID: 16510715
4.	Ge WP* , Yang XJ*, Zhang Z, Wang HK, Shen W, Deng QD, Duan S. (2006). Long-term potentiation of neuron-glia synapses mediated by Ca ²⁺ -permeable AMPA receptors. <i>Science</i> . 312(5779):1533-1537.
5.	Ge WP , Duan S. (2007). Persistent enhancement of neuron-glia signaling mediated by increased extracellular K ⁺ accompanying long-term synaptic potentiation. <i>J Neurophysiol</i> . 97(3):2564-2569.
6.	Zhang W, Ge WP , Wang ZA. (2007). A toolbox for light control of Drosophila behaviors through Channelrhodopsin mediated photoactivation of targeted neurons. <i>Eur J Neurosci</i> . 26(9):2405-2416.
7.	Zhou W, Ge WP , Zeng S, Duan S, Luo Q. (2007). Identification and two-photon imaging of oligodendrocyte in CA1 region of hippocampal slices. <i>Biochem Biophys Res Commun</i> . 352(3):598-602.
8.	Chung HJ*, Ge WP* , Qian X, Wiser O, Jan YN, Jan LY. (2009). G protein-activated inwardly rectifying potassium channels mediate depotentiation of long-term potentiation. <i>Proc Natl Acad Sci U S A</i> . 106(2):635-640.
9.	Ge WP , Zhou W, Luo Q, Jan LY, Jan YN Jan. (2009). Dividing glial cells maintain differentiated properties including complex morphology and functional synapses. <i>Proc Natl Acad Sci U S A</i> . 106(1):328-333
10.	Lee HY, Ge WP , Huang W, He Y, Wang GX, Rowson-Baldwin A, Smith SJ, Jan YN, Jan LY. (2011) Bidirectional regulation of dendritic voltage-gated potassium channels by the fragile X mental retardation protein. <i>Neuron</i> 72(4); 630-642
11.	Ultanir SK, Hertz NT, Li G, Ge WP , Burlingame AL, Pleasure SJ, Shokat KM, Jan LY, Jan YN. (2012) Chemical genetic identification of NDR1/2 kinase substrates AAK1 and Rabin8 uncovers their roles in dendrite arborization and spine development. <i>Neuron</i> 73(6): 1127-1142.
12.	Ge WP , Miyawaki A, Gage FH, Jan YN, Jan LY. (2012) Local generation of glia is a major astrocyte source in postnatal cortex. <i>Nature</i> 484(7394); 376-380.
13.	Yu D, Gustafson WC, Han C, Lafaye C, Noirclerc-Savoie M, Ge WP , Thayer DA, Huang H, Kornberg TB, Royant A, Jan LY, Jan YN, Weiss WA, Shu X. (2014) An improved monomeric

	infrared fluorescent protein for neuronal and tumour brain imaging. <i>Nat Commun.</i> 5:3626.
14.	Shen Y, Ge WP , Li Y, Hirano A, Lee HY, Rohlmann A, Missler M, Tsien RW, Jan LY, Fu YH, Ptáček LJ (2015) Protein mutated in paroxysmal dyskinesia interacts with the active zone protein RIM and suppresses synaptic vesicle exocytosis. <i>Proc Natl Acad Sci U S A.</i> 112(10):2935-2941.
15. *	Jia JM, Chowdary PD, Gao X, Ci B, Li W, Mulgaonkar A, Plautz EJ, Hassan G, Kumar A, Stowe AM, Yang SH, Zhou W, Sun X, Cui B*, Ge WP* (2016) Control of cerebral ischemia with magnetic nanoparticles. <i>Nat Methods.</i> 14(2):160-166. doi: 10.1038/nmeth.4105.
16. *	Peng C, Gao X, Xu J., Du B, Ning X, Tang S, Bachoo RM, Yu M, Ge WP* , Zheng J*, Targeting orthotopic gliomas with renal-clearable luminescent gold nanoparticles. <i>Nano Res.</i> (2017). 10(4) 1366-1376.
17.	Celen C, Chuang JC, Luo X, Nijem N, Walker AK, Chen F, Zhang S, Chung AS, Nguyen LH, Nassour I, Budhipramono A, Sun X, Bok LA, McEntagart M, Gevers EF, Birnbaum SG, Eisch AJ, Powell CM, Ge WP , Santen GW, Chahrour M, Zhu H. Arid1b haploinsufficient mice reveal neuropsychiatric phenotypes and reversible causes of growth impairment. <i>eLife.</i> (2017) 6. pii: e25730. doi: 10.7554/eLife.25730.
18. *	Jia JM, Peng C, Wang Y, Zheng J, Ge WP . Control of occlusion of middle cerebral artery in perinatal and neonatal mice with magnetic force. <i>Mol Brain.</i> 2018 Aug 29;11(1):47. doi: 10.1186/s13041-018-0389-0.
19.	Huang L, Chambliss KL, Gao X, Yuhanna IS, Kelly EB, Bergaya S, Ahmed M, Edward A. Fisher EA, Ge WP , Mineo C, Shaul PW. Endothelial SR-BI Promotes Atherosclerosis by Mediating Vascular Wall LDL Uptake. (<i>Nature</i> , accepted April 2019)
20.	Jing D, Zhang S, Luo W, Gao X, Men Y, Ma C, Liu X, Yi Y, Bugde A, Zhou BO, Zhao Z, Yuan Q, Feng JQ, Gao L, Ge WP , Zhao H Tissue clearing of both hard and soft tissue organs with the PEGASOS method. <i>Cell Res.</i> 2018;28(8):803-818. doi: 10.1038/s41422-018-0049-z.
21.	Yi Y, Men Y, Jing D, Luo W, Zhang S, Feng JQ, Liu J, Ge WP , Wang J, Zhao H. 3-dimensional visualization of implant-tissue interface with the polyethylene glycol associated solvent system tissue clearing method. <i>Cell Prolif.</i> 2019 Feb 3:e12578. doi: 10.1111/cpr.12578.
22.	Xin Y, Gao X, Liu L, Ge WP , Jain MK, Cai H. Evaluation of L-1-[18F]Fluoroethyl-Tryptophan for PET Imaging of Cancer. <i>Mol Imaging Biol.</i> 2019. doi: 10.1007/s11307-019-01327-4.
23.	Gang Huang, Tian Zhao1, Chensu Wang, Kien Nham, Guiyang Hao, Woo-Ping Ge , Xiankai Sun, Baran D. Sumer, Jinming Gao. PET Imaging of Occult Malignancy by Chemical Integration of Tumor Acidosis <i>Nature Biomedical Engineering</i> , 2019. doi: 10.1038/s41551-019-0416-1.
24.	Li W, Chaudhari K, Shetty R, Winters A, Gao X, Hu Z, Ge WP , Sumien N, Forster M, Liu R, Shao-Hua Yang SH. Metformin Alters Locomotor and Cognitive Function and Brain Metabolism in Normoglycemic Mice. <i>Aging and Disease</i> (Accepted, March 2019)
25.	Luo W, Yi Y, Jing D, Zhang S, Men Y, Ge WP, Zhao H. Investigation of postnatal craniofacial bone development with tissue clearing-based 3D imaging. <i>Stem Cells Dev.</i> (2019 Aug 8. doi: 10.1089/scd.2019.0104).

26.	Gao X, Zhang Z, Mashimo T, Shen B, Nyagilo J, Wang H, Wang Y, Liu Z, Mulgaonkar A, Hu XL, Piccirillo SGM, Eskiocak U, Davé DP, Qin S, Yang Y, Sun X, Fu YX, Zong H, Sun W, Bachoo RM, Ge WP. Gliomas Interact with Non-glioma Brain Cells via Extracellular Vesicles. <i>Cell Reports</i> . 2020;30(8):2489-2500.e5. doi: 10.1016/j.celrep.2020.01.089. PMID: 32101730
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Non-peer reviewed scientific or medical publications/materials in print or other media

1.	Ge WP, Jia JM (2016) Local production of astrocytes in the cerebral cortex. <i>Neuroscience</i> 323:3-9.
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