

## *Curriculum vitae*

**Date Prepared:** 11/14/2018  
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**Place of Birth:** China

### **Education**

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2001	MD	Medicine	Peking University Health Science Center, Beijing, China
2008	PhD	Developmental Biology (Laura Grabel)	Wesleyan University, Middletown, CT

### **Postdoctoral Training** [Include residency/fellowship]

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2010	Postdoc	Neuroscience	University of Connecticut Health Science Center, Farmington, CT
2012	Resident	Anatomic Pathology	Washington University, St. Louis, MO
2014	Fellow	Neuropathology	Washington University, St. Louis, MO
2015	Fellow	Surgical Pathology	Washington University, St. Louis, MO

### **Current Licensure and Certification**

#### Licensure [Do not include license number]

Permanent Texas Medical License, 2015-current  
Temporary Faculty License, Texas Medical Board 2015  
Permanent Missouri Medical License 2014-2016

#### Board and Other Certification

American Board of Pathology, AP/NP combined exam

AP portion –Passed (6/11/2014, first attempt)  
 NP portion –Passed (9/24/2015, first attempt)

**Honors and Awards**

Year	Name of Honor/Award	Awarding Organization
2018	LEAD (Leadership Emerging in Academic Departments) Program	Office of Faculty Diversity & Development, UT Southwestern Medical Center
2016	Student Travel Award (mentor)	American Association of Neuropathologists (AANP) annual meeting
2008	Keifer Graduate Research Award	Wesleyan University, Middletown, CT
1998	First Class Student Fellowship	Peking University Health Science Center, Beijing China
1997	Outstanding Student Award	Peking University Health Science Center, Beijing China

**Faculty Academic Appointments**

Year(s)	Academic Title	Department	Academic Institution
2014	Instructor	Pathology	Washington University, St Louis, MO

**Appointments at Hospitals/Affiliated Institutions**

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2015	Assistant Professor	Pathology	UT Southwestern Medical Center, Dallas, TX

**Other Professional Positions [Industry, foundation, private practice]**

Year(s)	Position Title	Institution


**Major Administrative/Leadership Positions** *[Do not include Professional Society positions]*

Year(s)	Position Title	Institution

**Committee Service** *(Member, unless noted otherwise)* *[Do not include Professional Society positions]*

Year(s)	Name of Committee	Institution/Organization
<u>UTSW</u>		
2018	Neuropathology Fellowship ACGME Self-Study Committee	UTSW/Department of Pathology
<u>Hospital</u>		
<u>State/Regional</u>		
<u>National/International</u>		

**Professional Societies** *[List all society committees, leadership, and course leadership roles here]*

Dates	Society Name, member
	Committees
	Fellowships

**Grant Review Activities**

Year(s)	Name of Review Committee	Organization

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**Editorial Activities**

Year(s)	Journal Name
<u>Editor/Associate Editor</u>	
<u>Editorial Board</u>	
2018	Journal of Neuropathology and Experimental Neurology (JNEN)
<u>Ad Hoc Reviewer</u>	
2016-18	Journal of Neuropathology and Experimental Neurology (JNEN)
2017-18	Acta Neuropathologica Communications (ANC)
2017-18	BMC Cancer
2017-18	Brain Sciences (ISSN 2076-3425)

**Invited Lectures** *[Since last promotion/appointment]*

Year(s)	Title	Location
<u>International</u>		
<u>National</u>		
2018	International Conference on Diabetes and its Complications: ICDC	Houston, TX
<u>Regional/Local</u>		
2017	Disorders of Peripheral Nerve	Dept. of Neurology, UTSW
2017	Toxic/Metabolic Disorders of the CNS	Dept. of Neurology, UTSW

**Technological and Other Scientific Innovations**

Innovation
Patent, if any, pending or awarded /If described in print/on web, provide citation

**Service to the Community**

Year(s)	Role	Organization or institution
May include a brief, one-sentence description of each role if needed (optional)		
2017-18	Medical student interviews	UTSW
2017-18	Resident and fellow interviews	UTSW, Dept Pathology

## **Bibliography**

**Peer-Reviewed Publications** (List in chronological order with complete pagination. Authors should be listed in the same order as they appear in the published article. Do not include abstracts or submitted works.)

### Original Research Articles

1.	<b>Cai, C.</b> , Thorne, J., Grabel, L. Hedgehog serves as a mitogen and survival factor during embryonic stem cell neurogenesis. <i>Stem Cells</i> . 2008 May 26(5):1097-108.
2.	Salunke PS, Gupta K, Malik V, Kumar N, Henke LE, <b>Cai C</b> , Chen WS, Pfeifer JD. Primary Ewing's sarcoma of cranial bones: analysis of ten patients. <i>Acta Neurochir (Wien)</i> . 2011 Jul;153(7):1477-85.
3.	Germain ND, Hartman NW, <b>Cai C</b> , Becker S, Naegele JR, Grabel LB. Teratocarcinoma formation in embryonic stem cell-derived neural progenitor hippocampal transplants. <i>Cell Transplant</i> . 2012;21(8):1603-11.
4.	<b>Cai C</b> , Dehner LP, El-Mofty SK. In myofibroblastic sarcomas of the head and neck, mitotic activity and necrosis define grade: a case study and literature review. <i>Virchows Arch</i> . 2013 Dec;463(6):827-36.
5.	<b>Cai C</b> , Chernock RD, Pittman ME, El-Mofty SK, Thorstad WL, Lewis JS. Keratinizing-type squamous cell carcinoma of the oropharynx- p16 overexpression is associated with positive high-risk HPV status and improved survival. <i>Am J Surg Pathol</i> 2014 Jun;38(6):809-15.
6.	Sun SQ, Kim AH, <b>Cai C</b> , Murphy RK, Sylvester P, DeWees TA, Dacey RG, Grubb RL, Rich KM, Zipfel GJ, Dowling JL, Leuthardt EC, Leonard JR, Evans J, Simpson JR, Robinson CG, Perrin RJ, Huang J, Chicoine MR. Management of Atypical Cranial Meningiomas, Part 1: Predictors of Recurrence and the Role of Adjuvant Radiation After Gross Total Resection. <i>Neurosurgery</i> 2014 Oct;75(4):347-55.
7.	Sun SQ, <b>Cai C</b> , Murphy RK, DeWees TA, Dacey RG, Grubb RL, Rich KM, Zipfel GJ, Dowling JL, Leuthardt EC, Leonard JR, Evans J, Simpson JR, Robinson CG, Perrin RJ, Huang J, Chicoine MR, Kim AH. Management of atypical cranial meningiomas, part 2: predictors of progression and the role of adjuvant radiation after subtotal resection <i>Neurosurgery</i> 2014 Oct;75(4):356-63.
8.	<b>Cai C*</b> , Alshehri A, Choksi R, Pestronk A. Regional ischemic immune myopathy: A paraneoplastic dermatomyopathy. <i>Journal of Neuropathology and Experimental Neurology</i> 2014 Dec;73(12):1126-33(* <b>communicating author</b> )
9.	Sun SQ, <b>Cai C</b> , Ravindra VM, Gamble P, Yarbrough CK, Dacey RG, Dowling JL, Zipfel GJ, Wright NM, Santiago P, Robinson CG, Schmidt MH, Kim AH, Ray WZ. Simpson Grade I-III Resection of Spinal Atypical (World Health Organization Grade II) Meningiomas is Associated With Symptom Resolution and Low Recurrence. <i>Neurosurgery</i> . 2015 Jun;76(6):739-46.

10.	Sun, SQ*, <b>Cai C*</b> , Murphy RK, DeWees T, Dacey RG, Grubb RL, Rich KM, Zipfel GJ, Dowling JL, Leuthardt EC, Simpson JR, Robinson CG, Chicoine MR, Perrin RJ, Huang J, Kim AH. Radiation Therapy for Residual or Recurrent Atypical Meningioma: The Effects of Modality, Timing, and Tumor Pathology on Long-Term Outcomes. <i>Neurosurgery</i> . 2016 Jul;79(1):23-32. (* <b>Co-first authors</b> )
11.	Richardson TE, Georgescu MM, Kapur P, Hwang H, Barnett SL, Raisanen JM, <b>Cai C</b> , Hatanpaa KJ. Unusual skull tumors with psammomatoid bodies: a diagnostic challenge. <i>Clin Neuropathol</i> . 2017 May/Jun;36 (2017)(3):114-120.
12.	Chkheidze R, Burns DK, White CL, Castro D, Fuller J, <b>Cai C*</b> . Morin Stain Detects Aluminum-Containing Macrophages in Macrophagic Myofasciitis and Vaccination Granuloma With High Sensitivity and Specificity. <i>J Neuropathol Exp Neurol</i> . 2017 Apr 1;76(4):323-331. (* <b>communicating author</b> )
13.	Richardson TE, Snuderl M, Serrano J, Karajannis MA, Heguy A, Oliver D, Raisanen JM, Maher EA, Pan E, Barnett S, <b>Cai C</b> , Habib AA, Bachoo RM, Hatanpaa KJ. Rapid progression to glioblastoma in a subset of IDH-mutated astrocytomas: a genome-wide analysis. <i>J Neurooncol</i> . 2017 May;133(1):183-192.
14.	Daoud EV, Rajaram V, <b>Cai C</b> , Oberle RJ, Martin GR, Raisanen JM, White CL III, Foong C, Mickey BE, Pan E, and Hatanpaa KJ. Adult Brainstem Gliomas with H3 K27M Mutation: Radiology, Pathology, and Prognosis. <i>J Neuropathol Exp Neurol</i> 2018 Apr 1;77(4):302-311. doi: 10.1093/jnen/nly006.
15.	Yell PC, Burns DK, Dittmar EG, White CL III, <b>Cai C*</b> Diffuse Microvascular C5b-9 Deposition Is A Common Feature In Muscle And Nerve Biopsies From Diabetic Patients. <i>Acta Neuropathologica Communications</i> 2018 Feb 20;6(1):11. doi: 10.1186/s40478-018-0512-6. (* <b>communicating author</b> )
16.	Khawaja SS, Cai C, Badiyan SN, Wang X, Huang J. The immune-related microRNA miR-146b is upregulated in glioblastoma recurrence. <i>Oncotarget</i> . 2018 Jun 26;9(49):29036-29046.

Reviews, Chapters, Monographs and Editorials

1.	<b>Cai, C.</b> and Grabel, L. Directing the differentiation of embryonic stem cells to neural stem cells. <i>Developmental Dynamics</i> . 2007 Dec;236(12):3255-66
2.	<b>Cai C</b> , Anthony DC, Pytel P. A pattern-based approach to the interpretation of skeletal muscle biopsies. <i>Mod Pathol</i> . 2018 Nov 6. doi: 10.1038/s41379-018-0164-x. [Epub ahead of print] Review.
3.	

Books/Textbooks

1.	
2.	

Case Reports

1.	Al-Zubeidi D, Thangarajh M, Pathak S, <b>Cai C</b> , Schlaggar BL, Storch GA, Grange DK, Watson ME. Fatal Human Herpes Virus-6 Associated Encephalitis in Two Boys with Underlying POLG Mitochondrial Disorders. <i>Pediatr Neurol</i> . 2014 Sep;51(3):448-52.
2.	<b>Cai C</b> , Stephens BH, Leonard JR, Dahiya S. Posterior fossa tumor with distinct choroid plexus papilloma and ependymoma components. <i>Clin Neuropathol</i> . 2015 Jan 20.
3.	

Letters to the Editor

1.	
2.	

Proceedings of Meetings

1.	
2.	

Clinical Practice Guidelines

1.	
2.	

**Non-peer reviewed scientific or medical publications/materials in print or other media**

1.	
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