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EDUCATION

1986 – 1989 BSc. Physics (Hons); Delhi University, New Delhi India.
1989 – 1991 MSc. Biotechnology; Banaras Hindu University, Varanasi, India
1994 – 1999 PhD. Biochemistry and Molecular Biology Emory University, Atlanta, GA.

PROFESSIONAL HISTORY

2012-Present Vice Chair of Neuro-Oncology Research, Department of Neurological Surgery, The Ohio State University.
2012-Present Chairperson, Ohio Neuro-Oncology Consortium. (www.onoc.info)
2010-Present Diversity Champion, Department of Neurological Surgery, The Ohio State University.
2009-Present Associate Professor, Department of Neurological Surgery, The Ohio State University.
2009-Present Chief, Dardinger laboratories, Department of Neurological Surgery, The Ohio State University.
2008-Present Director of Research Relations, Department of Neurological Surgery, The Ohio State University.
2005-2009 Assistant Professor, Dept. of Neurological Surgery, The Ohio State University.
2003-2005 Senior Research Associate. Department of Neurosurgery, Emory University, School of Medicine, Atlanta, GA. U.S.A.
2002-2003 Research Associate. Department of Neurosurgery, Emory University, School of Medicine, Atlanta, GA. U.S.A.
1999-2002 Postdoctoral fellow. Laboratory of Molecular Neuro-Oncology, Emory University, School of Medicine, Atlanta, GA. U.S.A.

SOCIETY MEMBERSHIPS

(CURRENT)

2010-Present Member of American Association for Advancement of Science.
2006-Present Active member of the American Society of Gene Therapy (ASGT)
2006-Present Active member of the Society for Neuro-Oncology (SNO)

2003-Present. Active Member of the American Association of Cancer Research (AACR).

2004-Present Member of Women in Cancer Research (WICR)

UNIVERSITY MEMBERSHIPS

2005-Present Faculty, Department of Neurological Surgery

2006-Present Faculty Integrated Biomedical Sciences graduate program, The Ohio State University.

2007-Present Faculty Neurosciences Graduate Studies Program, The Ohio State University.

2006-Present Member of Ohio State University Comprehensive Cancer center, The Ohio State University.

2006-Present Member of Viral Oncogenesis Program, The Ohio state University.

2010-Present Member of Medical Scientist Training program.

REVIEWER FOR JOURNALS

Ad hoc;	Blood
Ad Hoc;	Brain Research
Ad Hoc;	Brain, Behavior, and Immunity
Ad hoc;	Cancer Chemotherapy and Pharmacology
Ad hoc;	Cancer Gene Therapy
Ad hoc;	Clinical Cancer research
Ad hoc;	Cancer research
Ad hoc;	Cellular Molecular Life Sciences
Ad hoc;	Expert Opinion on Biological therapy
Ad hoc;	Future Oncology
Ad hoc;	Journal of NeuroVirology
Ad hoc;	Journal of Neuro-Oncology
Ad Hoc;	Molecular Therapy
Ad Hoc;	Neuro-Oncology
Ad Hoc;	Oncogene
Ad Hoc;	Plos One

EDITORIAL SERVICES

Associate board member:	Gene Therapy and Molecular Biology.
Editorial Board	Dataset Papers in Medicine

GRANT REVIEWER

2012	Swiss Cancer League, GAP-CRG-201208
2012	NIH/CSR Scientific review group Developmental Therapeutics Study Section 9/22/10-9/24/10.
2012	NIH/CSR Scientific review group Developmental Therapeutics Study Section 9/22/10-9/24/10.
2011	NCI PO1 reviews, Discover Imaging and Therapeutics study sections ZCA1 GRB-P (J1) 10/05/2011.
2011	NIH/CSR Scientific review group Developmental Therapeutics Study Section 6/13/11-6/14/11.
2010	Well being for Women, RCOG research Grants, United Kingdom
2010	NIH/CSR Scientific review group Developmental Therapeutics Study Section 9/22/10-9/24/10.
2010	NCI Scientific review group NCI IRM STRAP Study Section 8/05/10-8/06/10.

- 2010** NIH/CSR Scientific review group Tumor Progression and Metastasis Study Section 5/24/10-5/25/10.
- 2010** NIH/CSR Scientific review group Special Emphasis Panel ZRG1 OTC-K (05) 3/23/2010.
- 2010** NIH/CSR Scientific review group Developmental Therapeutics Study Section 1/28/10-1/29/10.
- 2009** The Ohio State University Center for Clinical & Translational Science (CCTS) Pilot and Collaborative Translational and Clinical Studies Program, Pilot studies Program, Application review committee 11/06/09.
- 2009** NIH/CSR Scientific review group ZRG1 BDCN-T (03) M study section
- 2009** NIH/CSR Developmental Therapeutics Study Section 6/11/09-6/12/09.
- 2008** Reviewer for American College of Veterinary Internal Medicine Foundation 12/05/08.
- 2008** NIH/CSR Scientific review group ZRG1 ONC-U (92) study section 10/30/08-10/31/08
- 2008** NIH/CSR Developmental Therapeutics Study Section 9/18/08-9/19/08
- 2008** NIH/CSR Special Emphasis Panel/Scientific Review Group 5/16/2008 ZRG1 ONC-W (91).
- 2005-Present** Landacre Honor Society, Roessler Scholarship for medical students.
- 2006** Internal grant for Massachusetts General Hospital (MGH), Boston, MA.

UNIVERSITY COMMITTEE

- 2006** Member, Neurosurgery Faculty Search Committee.
- 2009** Neuroscience graduate studies program committee member.
- 2010-** Diversity Champion, Department of Neurological Surgery, The Ohio State University.
- 2010** Member Medical Scientist Training Advisory Board.
- 2010-Present** Member of Departmental Promotion and Tenure Initiating Committee.

UNIVERSITY SERVICES

- 2009-Present Judge, The Ohio State University Comprehensive Cancer center Annual meeting.
- 2008-Present Judge, Nation wide children's Hospital Research day.
- 2007-Present Organizer The Ohio State University Comprehensive Cancer Center, Viral Oncogenesis Program (OSUCCC-VOP) monthly seminar series.
- 2006-2010 Judge Annual OSUMC Graduate and Postgraduate research Day.
- 2006-Present Judge DENMAN undergraduate research forum.
- 2007 Judge Molecular life Sciences Interdisciplinary Graduate Program Symposium.
- 2007-2009 Organizer Departmental Translational research Meeting.
- 2009-Present Chief, Dardinger laboratories, Department of Neurological Surgery, The Ohio State University.

- 2011 Judge Annual OSUMC Trainee Research day.
- 2011 Panelist, CCTS Career development Panel, COM Research celebration Kick-Off.
- 2011 Overview: Oncolytic Virus research: Viral Oncology program retreat.
- 2011 Organizer of the Ohio Neurooncology Consortium.
- 2011 Organizer of 3rd Annual neuroscience Poster day.
- 2011 Member of Neuroscience Disease State Leaders Meetings.
- 2012 Medical Scientists training program admissions committee.
- 2012 Search committee for faculty recruitment in the area of genomic medicine and pharmacogenomics.
- 2012 Reviewer for the COM bridge funding grant Program.
- 2011 Member of Neuroscience Disease State Leaders Meetings.

NATIONAL LEVEL SERVICES

- 2010 Education day Speaker: Society for Neuro-Oncology annual meeting.
- 2010-Present Organizer of Translational Research cancer center Consortium Annual meeting.
- 2011- present Founder and Organizer of the Ohio Neuro-oncology Consortium.
- 2011-Present Permanent Member DT study section.
- 2012 Education day Co-Chair, Society for Neuro-oncology Annual meeting.
- 2012 Scientific Program Committee member for Annual meeting of the Society for Neuro-Oncology.

AWARDS HONORS FELLOWSHIPS

- 2012** Elected to be **Chair** of the **Ohio Neuro-oncology Consortium**.
- 2012** Invited to serve on the **Scientific Program Committee** for Society for Neuro-Oncology annual meeting.
- 2011** **Invited by NIH to be Permanent member of developmental therapeutics Study Section.**
- 2011** Invited to serve as the **Education day co-Chair** to be held in conjunction with Society for Neuro-Oncology annual meeting.
- 2011** **Finalist for Alumni award for Distinguished Teaching.**
- 2009** **Invited by American Brain Tumor Association (ABTA)** to supervise medical student research for ABTA Medical Student Summer Fellowship program.
- 2008** **Excellence in Teaching Award**, Department of Neurological Surgery, College of Medicine, The Ohio State university.
- 2008** **Honored by Sphinx and Motor board society** for Service to students.

- 2008** **Late Breaking Poster** Annual Meeting American Association of Cancer Research.
- 2008-2013** **NIH/NINDS Career development award:** mentored research and clinical scientist development awards in translational research
- 2008** **Invited by American Brain Tumor Association (ABTA)** to supervise medical student research for ABTA Medical Student Summer Fellowship program.
- 2007-2009** **Young Investigator Award**, Alex lemonade Stand Foundation.
- 2007** **Invited by American Brain Tumor Association (ABTA)** to supervise medical student research for ABTA Medical Student Summer Fellowship program.
- 2006** **Invited by American Brain Tumor Association (ABTA)** to supervise medical student research for ABTA Medical Student Summer Fellowship program.
- 2005** **Late breaking news** Poster, EANO 2005, Edinburgh May 5-8
- 2002** **Distinguished Investigator Award**, Georgia life sciences summit.
- 1992** **All India Council of Scientific Industrial Research (CSIR)** fellowship
- 1991** **Indian Institute of Technology (IIT GATE)** scholarship.
- 1989-1991** **Indian Institute of technology (IIT)** Biotechnology fellowship

AWARDS/SCHOLARSHIPS WON BY STUDENTS, FELLOWS IN DR. KAUR'S LABORATORY

- 2012** **Ohio State Chapter of Sigma Xi** has chosen your **Grant-in-Aid of Research (To Brian Hurwitz).**
- 2012** **David V. Perry and Isabel H. Perry Research Scholarship Fund (To Brian Hurwitz).**
- 2012** **Outstanding research Abstract, Annual Neuroscience poster day meeting 2012.**
- 2012** **Outstanding graduate Researcher Department of neurological Surgery (to Amy Haseley**
- 2012** **Outstanding post Doctoral Researcher Department of neurological Surgery (To Ji-young Yoo)**
- 2012** **Summer research fellowship, Undergraduate research office, Nicholas Denton.**
- 2012** **American Association of Neurological Surgeons (AANS) Medical Student Summer Research Fellowship (to Pete Pow-anpongkul).**
- 2012** **American brain tumor association, Medical Student Summer Fellowship, (to Pete Pow-anpongkul).**
- 2012** Selected for oral presentation and award from **Graduate School Hayes Forum (To Jeffrey Wojton, declined).**
- 2011** **Lucien J. Rubinstein Award** of ABTA for best Medical student summer report **(To Aubrey Bonhivert).**
- 2011** **Outstanding abstract at the 3rd annual Neuroscience Poster day. (To Jeffrey Wojjton)**
- 2011** **Outstanding undergraduate Researcher Department of neurological Surgery (to Jason Pradarelli)**
- 2011** **Outstanding Medical Student Researcher Department of neurological Surgery (To Jason Talmadge)**
- 2011** **Roessler Scholarship Medical Student Award (OSU) (to Aubrey Bonhivert).**

- 2011 **American brain tumor association**, Medical Student Summer Fellowship, **(to Aubrey Bonhivert)**.
- 2011 **American Association of Neurological Surgeons (AANS)** Medical Student Summer Research Fellowship **(to Aubrey Bonhivert (refused))**.
- 2011 **Systems and Integrated Biology Training Program fellowship (Hans Meisen)**.
- 2011 **Pelotonia Fellowship for undergraduate Research (Nicholas Denton)**
- 2011 Selected for **summer award from the Office of Undergraduate Research (To Nicholas Denton: refused)**
- 2011 **Travel Award** for poster presentation (10th Annual OSUMC Trainee research day. **(To Jeffrey Wojjton)**
- 2011 **Travel Award** for poster presentation (10th Annual OSUMC Trainee research day. **(To Amy Haseley)**
- 2011 **Travel Award** for poster presentation (10th Annual OSUMC Trainee research day. **(To Jason Paradarelli)**
- 2011 **Abstract Selected for Oral Presentation** (10th Annual OSUMC Trainee research day. **(To Jason Paradarelli)**
- 2011 **Abstract Selected for Oral Presentation** (17th annual neuro-tumor club dinner at the American Association for Cancer research. **(To Ji young Yoo)**
- 2011 **Abstract Selected for Oral Presentation** (13th Annual Translational research Cancer Centers Consortium. **(To Jeffrey Wojjton)**
- 2011 **Abstract Selected for Oral Presentation** (13th Annual Translational research Cancer Centers Consortium. **(To Amy Haseley)**
- 2010 **Third Prize, best poster Presentation** American Association for Cancer Research, 101st Annual Meeting, Washington DC **(To Jason Pradarelli)**.
- 2010 **Second Prize, Best Poster Presentation**, 13th Annual Meeting of the Translational Research Cancer centers Consortium Immune Suppression and the Tumor microenvironment, **(To Amy Haseley)**.
- 2010 Center for Clinical and Translational Science (CCTS) for the TL1 Mentored Research Training Award **(To Christopher Alvarez-Breckenridge)**.
- 2010 Best poster, OSUCCC Annual Scientific Meeting **(To Christopher Alvarez-Breckenridge)**.
- 2009 Ohio State Chapter of Sigma Xi, Student Research grant award **(To Christopher Alvarez-Breckenridge)**.
- 2009 History of Japan, Society for Neuro-Oncology, Hoshino Award for best Paper. **(To Kazuhiko Kurozumi)**.
- 2009 (ABTA) American Brain Tumor Association Medical student summer fellowship **(To Daniel Van Bibber)**.
- 2009 Landacre Honors Society, Roessler Fellowship **(To Azeem Kaka)**.
- 2009 5th International Conference on Oncolytic viruses as Cancer Therapeutics; Travel award **(To Amy Haseley)**.
- 2009 5th International Conference on Oncolytic viruses as Cancer Therapeutics; Travel award **(To Jayson Hardcastle)**.
- 2009 Lucien J. Rubinstein Award of ABTA for best Medical student summer report **(To Sarwat**

Ahmad).

- 2009** American Association for Cancer Research -Thomas J. Bardos Science Education Award for Undergraduate students. **(To Martin Sayers).**
- 2008** CRILE Summer research fellowship to do summer research **(To Steve Healan).**
- 2008** (ABTA) American Brain Tumor Association Medical student summer fellowship **(To Sarwat Ahmad).**
- 2008** 11th Annual Meeting of the American Society for Gene therapy, Travel award **(To Kazuhiko Kurozumi).**
- 2008** Denman Undergraduate Research Forum, Second prize for Research poster presentation. **(To Martin Sayers).**
- 2008** American Association for Cancer Research -Thomas J. Bardos Science Education Award for Undergraduate students. **(To Martin Sayers).**
- 2008** Ohio State Chapter of Sigma Xi, Student Research grant award **(To Martin Sayers).**
- 2007** Lucien J. Rubinstein Award of ABTA for best Medical student summer report **(To Jennifer Gerckens).**
- 2007** (ABTA) American Brain Tumor Association Medical student summer fellowship **(To Jennifer Greckens).**
- 2007** Graduated with distinction **(Roopa Thakur).**
- 2007** Landacre Honors Society, Roessler Fellowship **(To Jeffrey Kutsikovich).**
- 2007** Dean's Undergraduate research fund **(To Roopa Thakur).**
- 2007** OSUMC Graduate and Post graduate Research day, **Travel Award (To Jayson Hardcastle).**
- 2007** American Association for Cancer Research Scholar In Training Award **(To Kazuhiko Kurozumi).**
- 2007** 4th International Conference on Oncolytic viruses as Cancer Therapeutics; Travel award **(To Kazuhiko Kurozumi).**
- 2007** American Association of Neuro-Surgeons (AANS) Tumors/Brain LAB International Research Fellowship. **(To Kazuhiko Kurozumi).**
- 2006** Lucien J. Rubinstein Award of ABTA for best Medical student summer report **(To Joshua Shroll).**
- 2006** First Prize for best poster, OSUCCC Annual Scientific Meeting **(To Kazuhiko Kurozumi).**

PATENTS

- 1999** Coinventor International Patent, WO/1999/063828; Broad Specificity DNA damage endonuclease.
- 1999** Coinventor, Broad Specificity DNA damage endonuclease WO/1999/063828.
- 2002** Coinventor, Australian Patent 760719; Broad Specificity DNA damage endonuclease
- 2009** Coinventor, Patent Oncolytic virus, WO/2009/052426.
- 2010** Coinventor, U.S. Patent Application No. 12/697,891.

PUBLICATIONS

BOOK CHAPTERS

1. Barth R, **Kaur B**. Immunocompetent intracranial Rat glioma models for preclinical therapeutic evaluations of novel therapies. Editor: Erwin Van-meir. Publisher: Springer **(2009)**.
2. Price R, **Kaur B**, Chiocca EA. Herpes Simplex Virus 1 for Cancer Therapy, in Gene Based Therapies for cancer. Editor: Jack A Roth. Publisher: Springer **(2010)**.
3. **Kaur B**, Lesinsky G, Choudhary A,. Concept to Clinics, Development of Novel Therapeutics. **(2011)**. Editors; Shayne C. Gad. Publisher: John Wiley & Sons. DOI: 10.1002/9780470571224.pse402

EDITOR REVIEWED:

4. **Kaur B**, Chiocca EA. Personalizing Oncolytic Virotherapy. **(2007) Molecular Therapy**. 15(1):6-7.

PEER REVIEWED ARTICLES:

5. **Kaur B**, Avery AM and Doetsch PW, Expression, Purification, and Characterization of Ultraviolet DNA Endonuclease from Schizosaccharomyces pombe. **(1998) Biochemistry**, 37(33): 11599-11604. **IF: 3.422**
6. Avery AM, **Kaur B**, Taylor JS, Mello JA, Essigmann JM and Doetsch PW. Substrate specificity of ultraviolet DNA Endonuclease (UVDE/Uve1p) from Schizosaccharomyces pombe. **(1999) Nucleic Acids Research**, 27(11): 2256-2264. **IF: 8.026**
7. **Kaur B**, Fraser JL, Freyer G, Davey S and Doetsch PW. A Uve1p mediated mismatch repair pathway in Schizosaccharomyces pombe. **(1999) Molecular and Cellular Biology**, 19(7): 4703-4710. **IF:5.527**
8. **Kaur B** and Doetsch PW. Ultraviolet Damage Endonuclease (Uve1p): a Structure and Strand-Specific DNA Endonuclease. **(2000) Biochemistry**, 39(19): 5788-5796. **IF: 3.422**
9. Majbeesh NJ, Post DE, Willard MT, **Kaur B**, Van Meir EG. Geldanamycin induces degradation of HIF-1 α protein via the proteosome pathway in prostate cancer cells. **(2002) Cancer Research**, 62(9): 2478-2482. **IF: 7.856**
10. Fulci G, Nobuaki I, Daniela M, Gernert KM, Hainaut P, **Kaur B**, Van Meir EG. Initiation of human astrocytoma by clonal evolution of cells with progressive loss of functions in a patient with a 283H p53 germ line mutation. **(2002) Cancer Research**, 62(10): 2897-905. **(Featured on Cover)**. **IF: 7.856**
11. Brat DJ, Castellano-Sanchez A, **Kaur B**, Van Meir E. Genetic and biologic progression in astrocytoma and their relation to angiogenic dysregulation. **(2002) Adv. Anat. Pathol**, 1(24-36).
12. **Kaur B** Brat DJ, Calkins CC, Van Meir E. Brain Angiogenesis Inhibitor 1 (BAI1) is differentially expressed in the normal brain and glioblastoma independently of p53 expression. **(2003) Am. J. Pathol.**, 162(1): 19-27. **IF: 4.890**
13. Brat DJ, **Kaur B**, Van Meir EG. Genetic Modulation of hypoxia induced gene expression and angiogenesis: Relevance to brain tumors. **(2003) Frontiers in Bioscience**, 8:D100-16.
14. Brat DJ, Hunter SB, Pecot MP, Cohen C, Hammond EH, Devi NS, **Kaur B**, Van Meir EG. Pseudopalisades in glioblastoma are hypoxic, express extracellular matrix proteases, and likely represent an actively migrating cell population. **(2004) Cancer Research** 64(3): 920-927. **IF: 7.856**
15. **Kaur B**, Tan C, Brat DJ, Van Meir EG. Genetic and hypoxic regulation of angiogenesis in gliomas. **(2004) J Neuro-Oncology**. **IF: 3.214**
16. Post DE, Devi NS, Li Z, Brat DJ, **Kaur B**, Nicholson A, Olson JJ, Zhang Z, Van Meir EG. Cancer Therapy with a replicating adenovirus targeting the hypoxic microenvironment of tumors. **(2004) Clinical Cancer Research**. 10(24): 8603-12. **IF: 7.742**

17. ***Kaur B.** Khwaja FK, Severson EA, Matheny S, Brat DJ, Van Meir EG. Hypoxia and the HIF pathway in glioma growth and angiogenesis. **(2005) Neuro-Oncology.** 7(2):134-153. (* Most read article in Neuro-Oncology, May 2006). **IF: 5.723**
18. **Kaur B,** Brat DJ, Devi NS, Van Meir EG. Vasculostatin, a natural BAI1 proteolytic fragment is an anti-angiogenic and anti-tumorigenic factor. **(2005) Oncogene** 24:3632-3642. **IF: 6.373**
19. Fulci G, Breymann L, Gianni D, Kurozumi K, Rhee SS, Yu J, **Kaur B,** Louis DN, Weissleder R, Caligiuri MA, Chiocca EA. Cyclophosphamide enhances glioma virotherapy by inhibiting innate immune responses. **(2006) Proceedings of the National Academy of Sciences USA.** 103(34): 12873-12878. **IF: 9.771**
20. Cutter, JL, Kurozumi, K, Chiocca EA, **Kaur, B.** Gene therapeutics: The future of brain tumor therapy? **(2006) Expert Review of Anticancer Therapy** 6(7):1053-64. **IF: 2.652**
21. Lamfers ML, Fulci G, Gianni D, Tang Y, Kurozumi K, **Kaur B,** Moeniralm S, Saeki Y, Carette JE, Weissleder R, Vandertop WP, Beusechem VW, Dirven CMF, Chiocca EA. Cyclophosphamide increases transgene expression mediated by an oncolytic adenovirus in glioma bearing mice monitored by bioluminescence imaging. **(2006) Molecular therapy.** 14: 779-788. **IF: 6.873**
22. **Kaur B,** Chiocca EA. Extreme treatment for an extreme disease. **(2006) Future Microbiology,** 1(4):351-353.
23. Fulci G, Dmitrieva N, Gianni D, Fontana EJ, Pan X, **Kaur B,** Lawler SE, Lee RJ, Marsh CB, Brat DJ, Rooijen NV, Rachamimov AS, Weissleder R, Martuza RL, Chiocca EA. Depletion of macrophages or microglia increases the titers of injected oncolytic viruses. **(2007) Cancer Research.** 67(19):9398-406. **IF: 7.856**
24. Hardcastle J, Kurozumi K, Chiocca EA, **Kaur B.** Oncolytic Viruses driven by tumor specific promoters. **(2007) Current Cancer Drug Targets.** 7(2): 181-189. **IF: 4.327**
25. *Kurozumi K, Hardcastle J, Thakur R, Yang M, Christoforidis G, Fulci G, Hochberg FH, Weissleder RW, Carson W, Chiocca EA, **Kaur B.** Modulation of Tumor microenvironment to enhance Oncolytic virus therapy. **(2007) Journal of National Cancer Institute.** 99(23):1768-81. **Accompanied by an editorial in JNCI.* **IF: 13.757**
26. Kurozumi K, Hardcastle J, Thakur R, Shroll J, Chiocca EA, **Kaur B.** Oncolytic HSV-1 infection of tumors induces angiogenesis and upregulates cyr61. **(2008) Molecular therapy** 16(8):1382-91. PMID: PMC2659780 **IF: 6.873**
27. Haseley A, Alvarez-Breckenridge C Chaudhury AR, **Kaur B.** Advances in Oncolytic virus Therapy for Glioma. (2009) **Recent Patents on CNS Drug Discovery** 4(1): 1-13.
28. **Kaur B,** Cork SM, Sandberg E, Devi NS, Zhang Z, Klenotic PA, Febbraio M, Shim H, Mao H, Tucker-Burden C, Silverstein RL, Brat DJ, Olson JJ, and Van Meir EG. Vasculostatin inhibits intracranial glioma growth and negatively regulates *in vivo* angiogenesis through a CD36-dependent mechanism. **(2009) Cancer Research** 69(3):1212-20. **IF: 7.856**
29. Barth RF, **Kaur B.** Rat brain tumor models in experimental neuro-oncology: the C6, 9L, T9, RG2, F98, BT4C, RT-2 and CNS-1 gliomas. **(2009) Journal of Neuro-oncology.** 94(3):299-312. [PMCID: 2730996]. **IF: 3.214**
30. Alvarez-Breckenridge C, **Kaur B** and Chiocca EA. Pharmacologic and chemical adjuvants in tumor virotherapy. **(2009) Chemical reviews** 109(7): 3125-3140. [PMCID: 2790404]. **IF:40.197**
31. **Kaur B,** Cripe T, Chiocca EA. "Buy one get one free:" armed viruses for the treatment of cancer cells and their microenvironment. **Current Gene Therapy** (2009). 9(5):341-355. [PMCID: 2802461]

32. Hardcastle J, Kurozumi K, Dmitrieva N, Sayers MP, Ahmad S, Waterman P, Weissleder R, Chiocca EA, Kaur B. Enhanced antitumor efficacy of vasculostatin (Vstat120) expressing oncolytic HSV-1. **Molecular Therapy (2010)** 18(2): 285-294. [PMCID: 2818668;]. **IF: 6.873**
33. Klenotic PA, Huang P, Palomo J, **Kaur B**, Van Meir EG, Vogelbaum MA, Febbraio M, Gladson CL, Silverstein RL. Histidine-rich glycoprotein modulates the anti-angiogenic effects of vasculostatin. **(2010) American Journal of Pathology** 176(4):2039-50. [PMCID: 2843491]. **IF: 4.890**
34. Nakashima H, **Kaur B**, Chiocca EA. Directing systemic oncolytic viral delivery to tumors via carrier cells. **Cytokine & growth factor reviews (2010)**. 21(2-3):119-126. PMCID: PMC3109423 **IF: 7.812**
35. Wojton J, **Kaur B**. Impact of tumor microenvironment on oncolytic viral therapy. **Cytokine & growth factor reviews (2010)**. 21(2-3):127-134. [PMCID: 2881175]. **IF: 7.812**
36. *Dmitrieva N, Yu L, Viapiano M, Chiocca EA, Cripe T, Glorioso J, **Kaur B**. Chondroitinase ABC I enhances intra-tumor distribution and anti-tumor efficacy of oncolytic virus. **(Clinical Cancer research)**. (2011). 17(6):1362-1372. PMCID: PMC3140790. **Accompanied by research highlights in Molecular therapy.* **IF: 7.742**
37. Williams SP, Nowicki MO, Liu F, Press R, Godlewski J, Abdel-Rasoul M, **Kaur B**, Fernandez SA, Chiocca EA. Iridinibins decrease glioma growth and invasion by blocking migratory phenotypes in both the tumor and stromal endothelial cell compartments. **Clinical Cancer research (2011)** 17(16):5374-80. PMID: 21697283. **IF: 7.742**
38. Chiocca EA, Aguilar LK, Bell S, **Kaur B**, Hardcastle J, Cavaliere R, McGregor J, Lo S, RayChaudhuri A, Chakarvarti AG, Herbert JN, Harris KS, Grossman RG, Trask TW, Baskin DS, Monterroso CM, Manzanera AG, Aguilar-Cordova E, New PZ. Phase Ib Study of Gene Mediated Cytotoxic Immunotherapy Adjuvant to Up-Front Surgery and Intensive Timing Radiation for Malignant Glioma. **Journal of Clinical Oncology (2011)** 29(27):3611-9. PMCID: PMC3179270 **IF: 18.3702**
39. Yoo JY, Haseley A, Bratasz A, Chiocca EA, Zhanf JY, Cain D, Powell K, **Kaur B**. Antitumor Efficacy of 34.5ENVE: a transcriptionally retargeted and Vstat120 expressing oncolytic virus. **Molecular Therapy (2012)**. 20(2):287-97. **IF: 6.873**
40. Cork SM, **Kaur B**, Devi NS, Cooper L, Saltz JH⁴, Sandberg EM, Kaluz S, Van Meir EG. A furin/MMP-14 proteolytic cascade releases a novel 40 kDa Vasculostatin from tumor suppressor BA11. **(Oncogene) (2012)**. doi: 10.1038/onc.2012.1. [Epub ahead of print] **IF: 6.373**
41. **Kaur B**, Chiocca EA, Cripe TP. Oncolytic HSV-1 virotherapy; Clinical experience and opportunities for progress. **Current Pharmaceutical Biotechnology, Special Issue "Virotherapy" (2012)**. 1:13(9):1842-51
42. Alvarez-Breckenridge C, Yu J, Price R, Wei M, Wang Y, Nowicki P, Yoonhee M, Bergin S, Hwang C, Soledad F, **Kaur B**, Caligiuri M, Chiocca EA. The HDAC inhibitor valproic acid lessens NK cell action against oncolytic virus-infected glioblastoma cells with inhibition of STAT5/T-BET signaling and IFN γ generation. **Journal of Virology (2012)** 86(8):4566-77. **IF: 5.402**
43. *Haseley A, Boone S, Wojton J, Yu L, Yoo JY, Yu J, Kurozumi K, Glorioso J, Caligiuri M, **Kaur B**. Extracellular matrix protein CCN1 limits oncolytic efficacy in glioma. **Cancer Research, (2012)** 72(6):1353-62. **Accompanied by research highlights in Molecular therapy. NIHMSID: 353412* **IF: 7.856**
44. Alvarez-Breckenridge C, Yu J, **Kaur B**, Caligiuri M, Chiocca EA. Deciphering the Multifaceted Relationship between Oncolytic Viruses and Natural Killer Cells. **Advances in Virology. (2012)**. doi:10.1155/2012/702839. PMCID: PMC3263705
45. Suh S, Yoo JY, Nuovo GJ, Jeon YJ, Kim S, Lee TJ, Kim T, Bakacs A, Alder H, **Kaur B**, Aqeilan RI, Pichiorri F, Croce CM. miR-25/32 restore p53 activity. MicroRNAs/TP53 feedback circuitry in

glioblastoma multiforme. **Proceedings of the National Academy of Sciences USA. (2012).** 09(14):5316-21 **IF: 9.771**

46. Wurdinger T, Gatson NN, Balaj L, **Kaur B**, Breakefield X, Pegtel DM. Extracellular Vesicles and the Convergence with Viral Pathways. (**Advances in Virology, In press**).
47. Yoo JY, Pradarelli J, Haseley A, Wojton J, Kaka A, Bratasz A, Alvarez-Breckenridge C, Powell K, Pan Q, Mazar A, Teknos T, Old M, Glorioso J, Kaur B. Copper chelation antitumor efficacy of oncolytic virus by increasing its serum stability and inhibiting angiogenesis. (**Clinical Cancer Research in Press, epub available on line**). **IF: 7.742**
48. Gatson N, Chiocca EA, **Kaur B**. Anti-angiogenic Gene Therapy in the Treatment of Malignant Gliomas. **Neuroscience Letters. (2012)** 527(2):62-70. **IF: 2.168**
49. Onishi M, Ichikawa T, Kurozumi K, Fujii K, Yoshida K, Inoue S, Michiue H, Chiocca EA, **Kaur B**, Date I. Bimodal anti-glioma mechanisms of cilengitide demonstrated by novel invasive glioma models. **Neuropathology. (2012)** doi: 10.1111/j.1440-1789.2012.01344.x. [Epub ahead of print]. **IF: 2.022**
50. Uchida H, Marsulli M, Yoo JY, Haseley A, Mazzacurati L, Nakano K, Goins WF, Hong CS, Chan J, Baek H, Kwon H, Kumagai I, Kuroki M, **Kaur B**, Chiocca EA, Grandi P, Cohen JB, and Glorioso JC. Effective Treatment of Glioblastoma Using EGFR-Retargeted oHSV. (**Molecular Therapy Formally accepted**). **IF: 6.873**
51. Alvarez-Breckenridge CA, Yu J, Price R, Wojton J, Pradarelli J, Mao H, Wei M, Wang Y, Hardcastle J, Fernandez SA, **Kaur B**, Lawler SE, Vivier E, Mandelboim O, Moretta A, Caligiuri M, Chiocca EA. NK cells impede glioblastoma virotherapy via NKp30 and NKp46 natural cytotoxicity receptors. **Nature Medicine (In Press)**. **IF: 22.462**
52. Wojton J, Chu Z, Kwon CH, Chow L, **Kaur B***, Qi X*. SapC-DOPS targeting and antitumor activities mediated by phosphatidylserine exposure in glioblastoma (**Doing Reviewer requested revisions for resubmission to molecular therapy**). (***Co Corresponding author**). **IF: 6.873**

PENDING PUBLICATIONS:

53. Yan F, Alinari L, Lustberg M, Martin K, Nowicki O, Wu X, Lapalombella R, Datta J, Yu B, Gordon K, Haseley A, Patton JT, Smith P, Ryu J, Zhang X, Mo X, Liu S, Marcucci G, Nuovo G, Kwon C, Byrd J, Sif A, Chiocca EA, Lawler SE, **Kaur B**, Baiocchi RA. Targeting Protein Arginine Methyltransferase 5 (PRMT5) Enzyme Over Expression in High Grade Astrocytomas. (**Submitted**).
54. Currier M, Eshun FK, Sholl A, Chernoguz, Crawford K, Divanovic S, Boon L, Collins MH, Baird WH, Maldonado A, Haseley A, **Kaur B**, Frischer JS, Hildeman D, Cripe TP. CD11b+ Myeloid cells mitigate antitumor effects of oncolytic herpes simplex virus via expression of vascular endothelial growth factor. (**submitted**).
55. Haseley A, Bolyard CM, Yoo JY, Lathia JD, Rich J, Rich J, Tridandapani S, **Kaur B**. Role of CCN1 in macrophage mediated OV clearance. (**In revisions**)
56. Stephenson JR, Paavola KJ, Schaefer SA, **Kaur B**, Van Meir EG, Hall RA. Brain Specific Inhibitor-1 (BAI1) signaling via G12/13 to Rho, Regulation by PDZ scaffolds and enrichment in the postsynaptic density. (**Submitted**)

ABSTRACTS AT NATIONAL/INTERNATIONAL MEETINGS:

(Selected few)

- 2011 The role of Tumor microenvironment on efficacy of Oncolytic viral therapy. 14th Annual Meeting of the Translational Research Cancer centers Consortium Immune Suppression and the Tumor microenvironment. (**Invited Oral Presentation**).

- 2010 Impact of Tumor microenvironment on Oncolytic viral therapy. 13th Annual Meeting of the Translational Research Cancer centers Consortium Immune Suppression and the Tumor microenvironment. **(Invited Oral Presentation)**.
- 2009 Vasculostatin expression mediated by oncolytic HSV-1 inhibits tumor angiogenesis and growth. Jayson Hardcastle, Kazuhiko Kurozumi, Nina Dmitrieva, Martin P Sayers, Sarwat Ahmad, Peter Waterman, Ralph Weissleder, E A Chiocca, Balveen Kaur. ASGT 12th Annual Meeting, San Diego, CA. **(Oral presentation)**.
- 2008 Oncolytic Virus Therapy of Glioma Sensitizes Glioma Cells to Cilengitide Treatment. Kazuhiko Kurozumi, Alvarez-Breckenridge Christopher, Dmitrieva Nina, Jayson Hardcastle, E. A. Chiocca, Balveen Kaur. ASGT 11th Annual Meeting, Boston, Massachusetts. **(Oral presentation)**.
- 2008 A Novel Oncolytic Virus Designed To Modulate OV Induced Changes in Tumor Microenvironment. Jayson Hardcastle, Kazuhiko Kurozumi, Martin P. Sayers, Yoshinaga Saeki, E. Antonio Chiocca, and Balveen Kaur. ASGT 11th Annual Meeting, Boston, Massachusetts. **(Oral Presentation)**.
- 2008 Oncolytic HSV Therapy sensitizes glioma cells to integrin antagonists *in vitro* and *in vivo*. Kazuhiko Kurozumi, Alvarez-Breckinridge, Kustikovich J, E. Antonio Chiocca, **Balveen Kaur**. American Association for cancer research (AACR) annual Meeting. **(Late Breaking Abstract)**.
- 2007 Energizing VOLT (ViralOncolytic Therapy). Kazuhiko Kurozumi, Jayson Hardcastle, Ming Yang, Gregory Christoforidis, William Carson, E. Antonio Chiocca, **Balveen Kaur**. NeuroTumor Club Meeting Los Angeles CA . **(Oral Presentation)**.
- 2007 RAMBO (Rapid Anti-angiogenesis mediated by Oncolytic virus) designed to destroy Tumors one pfu at a time. Jayson J Hardcastle, Kazuhiko Kurozumi, Martin P Sayers, Yoshinaga Saeki, E Antonio Chiocca, **Balveen Kaur**. 6th Annual OSUMC Graduate & Post Graduate Research Day. The Ohio State University. **(Best Poster Presentation and Travel Award to Jayson Hardcastle; Role as Mentor)**.
- 2007 Modulation of Tumor Microenvironment to Enhance Oncolytic Virus Therapy. Kazuhiko Kurozumi, Jayson Hardcastle, Ming Yang, Gregory Christoforidis, William Carson, E. Antonio Chiocca, **Balveen Kaur**. American Association for cancer research (AACR) annual Meeting **(Oral Presentation, and Scholar in training award to Kazuhiko Kurozumi; Role as Mentor)**.
- 2007 Synergy of Antiangiogenic treatment with Oncolytic virus therapy for brain tumors. Kazuhiko Kurozumi, Jayson Hardcastle, Ming Yang, Gregory Christoforidis, William Carson, E. Antonio Chiocca, **Balveen Kaur**. **(Oral Presentation and Travel award to Kazuhiko Kurozumi; Role as Mentor)**.
- 2006 Anti-angiogenic treatment enhances anti-tumor effects of an oncolytic virus in an experimental rat glioma model. Kurozumi K, Cutter J, Hardcastle J, Carson W, Chiocca EA, **Kaur B**. 8th Annual OSUCCC Scientific Meeting **(First Prize, Experimental Therapeutics; Role as Mentor)**.
- 2005 **Kaur B**, Sandberg EG, Brat DJ, and Van Meir EG. Vasculostatin is an extracellular proteolytic fragment of Brain Angiogenesis Inhibitor 1 that functions as a potent inhibitor of glioma growth and angiogenesis. EANO 2005, Edinburgh **(Late Breaking Abstract)**
- 2003 **Kaur B**, Brat DJ, Devi NS, Van Meir EG. Brain Specific Receptor BAI1 can be cleaved to release a secreted extra cellular fragment which inhibits glioma growth and angiogenesis. 8th Annual Meeting, Society of Neuro-Oncology, Keystone, Colorado. **(Oral Presentation)**
- 2003 **Kaur B**, Brat DJ, Role of Brain Angiogenesis Inhibitor 1 as an anti-angiogenic factor for gliomas. American Association for Cancer Research (AACR) 94th Annual Meeting, Washington DC. USA.
- 2002 **Kaur B**, Brat DJ, Catharine CC, Van Meir EG. Brain Angiogenesis Inhibitor 1 is differentially expressed in normal brain and glioblastoma independently of p53 expression. Georgia Life

Sciences Summit, Atlanta, GA. **Awarded Distinguished Investigator Award**

FORMAL CLASS ROOM TEACHING

- 2012 BMSCI 583 – Special topic III
- 2012 IBGP 702.04 Cancer biology (21256)
- 2012 IBGP 703.05 Biology of Human Disease (15321)
- 2011 BMS100: Biomedical Science Survey
- 2011 IBGP 702.04-0010 LEC 22780.
- 2011 IBGP 703.05-0010 SEM 116278.
- 2011 Course Co-coordinator NGSP797
- 2010 Co Director: NGSY 825 LEC 24394
- 2010 IBGP 702.04-0010 LEC 26690.
- 2010 IBGP 703.05-0010 SEM 19073.
- 2009 Co Director: NGSY 825 LEC 28654
- 2008 Course Co-coordinator: NGSP797
- 2007 NSGP 797 September,
- 2007 IBGP 702.04 Cancer Biology module 8.
- 2007 Pathology 850, one hour Seminar Class.

EXTRAMURAL TEACHING

- 2010 Oncolysis and the Tumor Microenvironment. **Molecular Medicine Seminar series. Mayo Clinic, Rochester, MN.**
- 2012 Progress and challenges in Oncolytic viral therapy. **University of Illinois Peoria.**
- 2012 Oncolytic viruses: Barriers and progress. **Mayo Clinic, Rochester, MN.**

ADVISOR TO STUDENT GROUPS AND ORGANIZATIONS:

- 2006-Present Faculty Integrated Biomedical Sciences graduate program, The Ohio State University.
- 2006-Present Student Advisor for the Biomedical Sciences major, School of Biomedical sciences The Ohio State University.
- 2007-Present Faculty Neurosciences Graduate Studies Program, The Ohio State University. Dr. Kaur is currently serving as thesis advisor for Amy Haseley, graduate student in this program.
- 2007-Present Student Advisor for students in the department of Neurological Surgery. Dr. Kaur has been advising students about career and research related issue.
- 2008-Present Faculty, Medical Student training Program, The Ohio State University.
- 2009-Present Advisory board Member, Neuroscience graduate Studies program.
- 2010-Present Advisory board Member, Medical student research scholarship advisory council.

GRANT REVIEWER FOR STUDENT GRANTS

- 2005 Landacre Honor Society, Roessler Scholarship for medical students.
- 2006 Landacre Honor Society, Roessler Scholarship for medical students.

- 2007** Landacre Honor Society, Roessler Scholarship for medical students.
- 2008** Landacre Honor Society, Roessler Scholarship for medical students.
- 2009** Landacre Honor Society, Roessler Scholarship for medical students.
- 2010** Landacre Honor Society, Roessler Scholarship for medical students
- 2011** College of Medicine, Medical Student Research Scholarship.
- 2012** College of Medicine, Medical Student Research Scholarship

UNIVERSITY COMMITTEE

Graduate Faculty representative:

- 2006** Graduate faculty Representative, PhD Thesis Defense (Sarah Adams, Graduate program in English).
- 2008** Graduate faculty Representative, PhD Thesis Defense (Jing Tao, Environmental Science Graduate Program).
- 2009** Graduate faculty Representative, PhD Thesis Defense (Nael Alami, Molecular, Cellular and Developmental Biology).
- 2012** Graduate faculty Representative, PhD Thesis Defense (Bernardo Ramirez Rios, Graduate program in Anthropology).

External Thesis Examiner

- 2009** External Examiner, Caroline Breitbach, Thesis Title: Investigation of acute effects of oncolytic virus infection of tumors. University of Ottawa, Canada.

Undergraduate Honors Thesis completed:

- 2007** Roopa Thakur, Thesis Advisor. (Graduated with Honors and distinction).
- 2008** Whitney Cogswell, Thesis committee member (Graduated with Honors and Distinction).
- 2011** Sean Boone, Thesis Advisor. (Graduated with Honors and distinction).
- 2011** Jason Pradarelli, Thesis Advisor. (Graduated with Honors and distinction).

Graduate Thesis's completed:

- 2011** Jayson Hardcastle, Role: Thesis Advisor. (Graduated with PhD)
- 2011** Christopher Alvarez-Breckenridge, Role: Thesis Committee Member. (Graduated with PhD)
- 2012** Rumeysa Biyik Role: Thesis Committee Member (Graduated with Masters Thesis).
- 2012** Amy Haseley Role: Thesis Advisor. (Graduated with PhD)
- 2012** Brian Hutzen Role: Thesis Committee Member. (Graduated with PhD)
- 2012** Hosung Sim Role: Thesis Committee Member. (Graduated with PhD)

Graduate Thesis Committee Participation:

- 2008-2012** **Graduate thesis Advisor**, Amy Haseley, Neuroscience Graduate Program, The Ohio State University.
- 2008-2011** **Thesis Committee member**, Research Advisor, Christopher Alvarez-Breckenridge, Integrated Biology Graduate Program, The Ohio State University.

- 2009- Present** **Graduate thesis Advisor**, Jeffrey Wojjton, Neuroscience Graduate Program, The Ohio State University.
- 2009- Present** **Research Advisor**, Richard Price, Integrated Biology Graduate Program, The Ohio State University.
- 2009-2012** **Thesis Committee member**, Hosung Sim, Graduate Program in Molecular, Cellular and Developmental Biology, The Ohio State University.
- 2009-Present** **Thesis Committee member**, James Perry, Integrated Biology Graduate Program, The Ohio State University.
- 2010-Present** **Thesis Committee member**, Alena-Cristina Jaime-Ramirez, Integrated Biology Graduate Program, The Ohio State University.
- 2010-Present** **Co-Thesis advisor**, Chelsea Bolyard, Integrated Biology Graduate Program, The Ohio State University.
- 2010-Present** **Thesis Committee member**, Ira racoma, Integrated Biology Graduate Program, The Ohio State University.
- 2011-Present** **Thesis advisor**, Hans Meisen, Integrated Biology Graduate Program, The Ohio State University.
- 2011-Present** **Thesis Committee member**, Aparna Lakshmanan, Molecular, Cellular and Developmental Biology, The Ohio State University
- 2011-2012** **Thesis Committee member**, Rumeysa Biyik, Molecular, Cellular and Developmental Biology, The Ohio State University
- 2011-2012** **Thesis Committee member**, Brian Hutzen, Integrated Biology Graduate Program, The Ohio State University.
- 2011-Present** **Thesis Committee member**, Katelin Hansen, Neuroscience Graduate Program, The Ohio State University.

LABORATORY TRAINING RECORD

POST DOCTORAL FELLOWS:

Kazuhiko Kurozumi	2005 – 2008
Jennifer Cutter	2005 – 2006
Zetang Wu	2008-2008
Dmitrieva Nina	2007-Present
Ji Young Yoo	2009-Present.
Kazuo Okemoto	2010-2012.
Yeshwanth Kumar Banaswadi-Siddugowda	2012-Present

GRADUATE STUDENT ADVISING

GRADUATED

Jayson Hardcastle	2006 – 2011 (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate, graduated with PhD 2011.
Christopher Alvarez-Breckenridge	2007-2011 (Integrated Biomedical Sciences Program). MD PhD Candidate, graduated with PhD 2011.
Rumeysa Biyik	2011-2012 (Molecular Cellular and Developmental biology, The Ohio State

	University) Masters with Thesis.
Amy Haseley	2008-2012 2008-Present, (Neurosciences Program, The Ohio State University). Graduated with PhD 2012.
Brian Hutzen	2011-2012, (Integrated Biomedical Sciences Program, The Ohio state university). Graduated with PhD 2012.
Hosung Sim	2009-2012 (Molecular Cellular and Developmental biology, The Ohio State University) Graduated with PhD 2012.
Richard Price	2009-2012 (Integrated Biomedical Sciences Program Graduated with PhD 2012. (Research Mentor)

CURRENT

Jeffrey Wojton	2009-Present, (Neurosciences Program, The Ohio State University). PhD candidate. Thesis Advisor
Chelsea Bolyard	2010-Present (Integrated Biomedical Sciences Program). PhD Candidate. Thesis Advisor
Jaime-Ramirez Cristina	2009-Present (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate. Thesis Committee member
James Perry	2009-Present. (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate. Thesis Committee member
Ira Racoma	2010-Present. (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate. Thesis Committee member
Hans Meisen	2011-Present. (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate. Thesis Advisor
Aparna Laxman	2011-Present, (Molecular, Cellular and Developmental Biology, The Ohio State University) PhD Candidate. Thesis Committee member
Katelin Hansen	2011-Present, (Neurosciences Program, The Ohio State University). PhD candidate. Thesis Committee member
Hector Cordero-Nieves	2012-Present (Integrated Biomedical Sciences Program, The Ohio state university). PhD candidate. Thesis Advisor

UNDER-GRADUATE STUDENTS

Benjamin Wagner	2010-2012
Nicholas Denton	2009-Present.
Brian Hurwitz	2009-Present.
Katherine Bingmer	2009-2011. Graduated with Non's)
Sean Boone	2008-2011 (Graduated with Hon's thesis and Graduated with distinction).
Jason Pradarelli	2008-2011 (Graduated with Hon's thesis and Graduated with distinction).
Martin Sayers	2006-2008. (Currently enrolled in Medical School at The Ohio State University)
Roopa Thakur	2006-2007 (Completed Hon's Thesis and Graduated with distinction,).
Emily Story	Summer 2005 (Graduated).
Akhil Shah	Fall 2005 (Graduated). Currently Employed in Private technology company.

SUMMER MEDICAL STUDENT TRAINING

- 2012 Irving chung
- 2012 Pete Pow-anpongkul
- 2011 Aubrey Bonhivert
- 2010 Imran Shaikh.
- 2010 Todd C Hollon
- 2010 Keith Rosenberg
- 2010 Alyssa Huang
- 2010 Jason Talmadge
- 2009 Azeem Kaka
- 2009 Daniel Van Bibber
- 2008 Sarwat Ahmad
- 2008 Sean Healan
- 2008 Jarin Leavitt
- 2007 Jennifer Gerckens
- 2007 Jeffrey Kutsikovich
- 2006 Joshua Shroll

RESIDENTS:

- 2011-Present NaTosha Gatson

INVITED TALKS:

- 2012** Barriers to Oncolytic virus therapy. **Emory University, Atlanta GA (June 2012).**
- 2012** Progress and challenges in Oncolytic viral therapy. **University of Illinois Peoria (May 2012).**
- 2012** Oncolytic viruses: Barriers and progress. **Mayo Clinic, Rochester, MN. (April 2012).**

- 2012** VOP program updates. **OSUCCC annual meeting 2012, Columbus Ohio.**
- 2011** Co-Session Chair, Angiogenesis research in Ohio. **Ohio Neuro-Oncology Consortium, Cleveland December 2011)**
- 2011** Vstat120 modulates innate pro-inflammatory response to OV therapy. **14th Annual Meeting of American Society for Cell and Gene Therapy, (May 2011) Seattle WA.**
- 2011** Extracellular Barriers to Oncolysis **6th International conference on Oncolytic Viruses. Las Vegas, NV. (March 2011).**
- 2011** Impact of Tumor microenvironment on Oncolytic viral therapy. **14th Annual Meeting of the Translational Research Cancer centers Consortium, Silver Spring PA. (February 2011).**
- 2010** Novel Anti-Angiogenic Agents/Therapeutics Showing Efficacy in Preclinical Brain Tumor Models, **Education Day, 15th Annual Scientific meeting of the Society for Neuro-Oncology, Montreal, CA. (November 2010)**
- 2010** Oncolysis and the Tumor Microenvironment. **Molecular Medicine Seminar series. Mayo Clinic, Rochester, MN. (June 2010).**
- 2010** Impact of Tumor microenvironment on Oncolytic viral therapy. **13th Annual Meeting of the Translational Research Cancer centers Consortium Immune Suppression and the Tumor microenvironment. Columbus, OH. (March 2010).**
- 2009** Vasculostatin expression mediated by oncolytic HSV-1 inhibits tumor angiogenesis and growth. **ASGT 12th Annual Meeting, San Diego, CA. (June 2009).**

- 2009 Impact of tumor microenvironment on OV therapy. **5th International Oncolytic virus meeting, Banf, Canada. March 2009**
- 2008 The Tumor and its Microenvironment and Oncolytic Viruses: Friends and Foes in Battle. **13th Annual Gene Medicine Symposium, Stein Plaza, Los Angeles, CA. May 2008**
- 2008 Tumor Microenvironment and Oncolytic virus therapy. **Cincinnati children's hospital, Cincinnati OH. September 2008.**
- 2008 Journey Of Oncolytic viruses; Hood to hospital. **Cincinnati children's hospital, Pediatric Oncology Program retreat. Wilmington OH. September 2008.**
- 2008 Recharging VOLT: Viral Oncolytic therapy, **Medical College of Georgia Cancer center, Augusta GA. June 2008.**
- 2008 Gene Therapy in Hematology and oncology, **Pharmacology Seminar Series, Polaris, OH, January 2008.**
- 2007 Energizing VOLT: Viral Oncolytic therapy, **Grand Rounds: Neurological surgery, The Ohio state University, Columbus, OH, August 2007.**
- 2007 Modulation of Tumor microenvironment to enhance Oncolytic virus therapy. **2nd International Meeting Updates in Neuro-Oncology, Cortona (AR) Italy, June 2007**
- 2007 Cilengitide in combination with oncolytic viruses. **NCI Investigator Meeting Cilengitide, ASCO June 2007.**
- 2007 Modulation of tumor microenvironment to enhance Oncolytic virus Therapy, **Neuro Tumor Club Meeting Hosted by Society for Neuro-Oncology, 2007, Los Angeles CA.**
- 2007 Personalizing Oncolytic viral Therapy. **The Department Of Laboratory Medicine Retreat, Ohio Historical Society, Columbus, OH.**
- 2006 Oncolytic virus Treatment of brain tumors: What went wrong? **Gene Therapy for Brain tumors meeting, Massachusetts General hospital, Charlestown MA.**
- 2006 Enhancement of OV mediated Oncolysis by vessel normalization. **Center For Molecular neurobiology Seminar Series. The Ohio State University, Columbus, OH.**
- 2006 Host responses to HSV-1 derived OV. **Viral Oncogenesis Program Retreat, Worthington Inn, Worthington OH.**
- 2006 Host Responses to Oncolytic Viruses. **Grand Rounds, Viral Oncogenesis Program, OSUCCC, The Ohio State University, Columbus, OH.**
- 2006 Oncolytic Viruses: The good the bad and the ugly: **Brain Tumor Seminar Group presentation The Ohio State University, Columbus, OH.**
- 2004 Significance of Brain angiogenesis inhibitor 1 (BAI1), in gliomagenesis. **Massachusetts General Hospital, Neurosurgery Department, Charlestown, MA.**
- 2004 ECD, a proteolytic fragment of BAI1 is a novel anti-angiogenic and anti-tumorigenic factor. **Neurosurgery, Grand rounds, Emory University, School of Medicine.**
- 2003 Brain Specific Receptor BAI1 can be cleaved to release a secreted extra cellular fragment which inhibits glioma growth and angiogenesis. **8th Annual Society for Neuro-Oncology meeting, Keystone Colorado.**
- 2003 sBAI1, a proteolytic fragment of BAI1 is a novel anti-angiogenic and anti- tumorigenic factor. **Winship Cancer Institute, Director's Seminar, Emory University, Atlanta, GA.**
- 2003 Proteolytic fragment of BAI1 is a novel anti-angiogenic and anti-tumorigenic factor. **Trevigen Inc. Gaithersburg, MD.**
- 2003 Vasculostatin, a novel anti-angiogenic and anti-tumorigenic factor in the brain. **ABC² site**

visit, **Winship Cancer Institute**, Emory University, Atlanta, GA.

- 2003** Characterization of Brain specific angiogenesis inhibitor 1, **Molecular mechanisms in Brain tumors**, Houston Texas.
- 2002** **Ultra violet DNA endonuclease, a broad specificity DNA repair endonuclease, CLONTECH, Palo Alto, CA.**
- 2001** Absence of expression of Brain specific angiogenesis inhibitor 1 in glioblastoma multiforme. **Winship Cancer Institute, Director's Seminar**, Emory University, Atlanta, GA.

RESEARCH SUPPORT

CURRENT:

1) NIH 1R01NS064607-01 08/01/2008-06/30/2013

NIH/NINDS

OV Therapy Induced Changes in Tumor Secretome and Their Impact on Therapy

Goal: The major goal of this study is to understand the development of Onco-resistance in glioma and to develop strategies to counter this.

Role – Principal Investigator

2) NIH 1R01CA150153-01

NCI/NIH

4/1/2011-3/31/2012/2016.

Role – Principal Investigator

The major goal of this is to understand HOW Vstat120 expression affects viral oncolysis.

3) NIH P30NS045758

NINDS/NIH

10/01/2010-11/30/2015

Role- Xenograft Core Director (Principal Investigator: Christine Beattie)

4) SBIR SUB CONTRACT WITH BENEVIR

NIH/NCI **PHS2012-1**

Role: subcontract PI, PI (Matthew Mulvey)

Title: A triple-armed oncolytic virus for glioblastoma.

5) NIH/NCI

7/1/2012-6/30/2016.

Supplement to **1R01CA150153**

To Promote Diversity in Health-Related Research.

6) Contract study

Bexion Pharmaceuticals

10/01/2010-11/30/2011

Role – Principal Investigator

Goal: To evaluate anti-tumor efficacy of SAPOSIN C DOPS in glioma.

7) Pelotonia Undergraduate Student Fellowship. 7/01/2011-6/30/2012.
To Brian Hurwitz; **Role as mentor.**

8) Systems and Integrative Biology Training Program Fellowship 7/01/2011-6/30/2012
To Hans Meisen; **Role as Mentor.**

PROMISED:

1) 1P01CA163205-01, 4/01/2013 – 03/31/2018
Role Project Leader, project 3, Principal investigator: Michael Caligiuri/EA Chiocca
Title: Circumventing Barriers to Effective Oncolytic Virotherapy of Nervous System Tumor

PENDING:

1) F31CA171733-01A1 4/01/2013 – 03/31/2015
NIH/NCI
Role: Mentor, Principal Investigator: Jeff Wojton, Scored 8%ile.

2) **NIH R01CA179554-01** 7/01/2013-6/30/2018
NIH/NINDS
Role – Principal Investigator (Submitted, pending review)

COMPLETED:

1) **1R21NS056203** 9/15/2007 – 6/30/2009
NINDS/NIH
Role – Principal Investigator

Goal: The major goal of this study is to design and test a novel OV expressing a brain specific angiostatic factor for the treatment of adult glioma.

2) **Young Investigator award** 7/1/2007-6/30/2009
Alex Lemonade Stand
Role – Principal Investigator

Goals: The major goal of this study is to generation and test therapeutic efficacy of a novel OV also expressing an angiostatic gene for the treatment of pediatric brain tumors.

3) **N01-CM-62207** 7/1/2006 - 6/3/2007
National Brain Tumor Foundation
Role – Principal Investigator

4) **K01NS059575** 4/01/2008-3/31/2011
NINDS/NIH

Role: Principal Investigator.

5) P01 CA069246-10 (PI: Hochberg)

8/1/2005 - 1/31/2008

NCI - Massachusetts General Hospital

Subcontract – Ohio State University (PI: Chiocca,)

Gene Therapy of Brain Tumors

Role: Co-Investigator

6) NIH 1R21NS066299-01

NINDS/NIH

10/01/2009-11/30/2012

Role – Principal Investigator

The major goal of this is to understand how ECM affects therapy.

7) NIH

5R25NS065734-04

7/1/2011-6/30/2012.

Role-Mentor, Principal Investigator: Natosha Gatson

8) Wendy Will Case Cancer Fund

(Awarded, but refused)

The goal of this grant was to provide interim funding to produce data to support revision of NIH application for a successful R01.

9) Viral Oncogenesis Seed Grant

12/31/2007-6/30/2008

OSUCCC, Seed Grant

Role – Principal Investigator

Goal: The major goal of this study is to understand OV treatment induced changes in tumor microenvironment.

COMPLETED MENTORED GRANTS:

10) Samuel J. Roessler memorial medical scholarship fund: 6/01/2007-8/15/2007

Fellowship to Jeffrey Kutsikovich,

Role - Mentor.

11) ABTA (American Brain Tumor Association)

6/01/2007-8/15/2007

med student summer Fellowship:

Fellowship to Jennifer Gerckens,

Role - Mentor.

12) ABTA (American Brain Tumor Association)

6/01/2006-8/15/2006

med student summer Fellowship:

med student summer fellowship:

Fellowship to Joshua Shroll

Role – Mentor

13) American Association of Neurological Surgeons 7/01/2007-6/30/2008

Tumors Brain LAB International Research Fellowship
to Kazuhiko Kurozumi

Role-Mentor

Goal: The major goal of this is to understand the mechanism of synergy between oncolytic virus treatment and anti-angiogenic treatment.

14) ABTA (American Brain Tumor Association) 6/01/2008-8/15/2008

Medical student summer Fellowship:
Fellowship to Sarwat Ahmad.

Role - Mentor.

15) CRILE Summer research Fellowship: 6/01/2008-8/15/2008

Fellowship to Steve Haelean.

Role - Mentor.

16) ABTA (American Brain Tumor Association) 6/01/2009-8/15/2009

Medical student summer Fellowship:
Fellowship to Daniel Van Bibber

Role – Mentor

17) Samuel J. Roessler memorial medical scholarship fund: 6/01/2009-12/31/2009

Fellowship to Azeem Kaka,

Role - Mentor.

18) Samuel J. Roessler memorial medical scholarship fund: 6/01/2010-12/31/2010

Fellowship to Jason Talmadge.

Role - Mentor.

19) Samuel J. Roessler memorial medical scholarship fund: 6/01/2010-12/31/2010

Fellowship to Alyssa-Huang.

Role - Mentor.

20) Samuel J. Roessler memorial medical scholarship fund: 6/01/2010-12/31/2010

Fellowship to Keith rosenberg.

Role - Mentor.

21) Samuel J. Roessler memorial medical scholarship fund: 6/01/2010-12/31/2010 Fellowship to

Todd C Hollon.

Role - Mentor.

22) Samuel J. Roessler memorial medical scholarship fund: 6/01/2011-12/31/2011

Fellowship to Aubrey Bonhivert.

Role - Mentor.

23) ABTA (American Brain Tumor Association)

6/01/2011-12/31/2011

Medical student summer Fellowship:

Fellowship to Aubrey Bonhivert.

Role - Mentor.