

Curriculum Vitae

ONYI OKOLIE, PHD

Forensic Scientist

Washington State Patrol Toxicology Laboratory
2203 Airport Way S, Ste. 360
Seattle, Washington 98134
206-262-6100
Onyi.Okolie@wsp.wa.gov

EMPLOYMENT (or Professional Experience)

Forensic Scientist – Washington State Patrol Toxicology Laboratory, Seattle, WA.
June 2018 – Present

Graduate Research Scientist – University of North Carolina, Chapel Hill.
August 2011 – December 2016

EDUCATION

Doctor of Philosophy, Pharmaceutical Sciences. May 2017.
University of North Carolina, Chapel Hill, NC

Bachelor of Science, Bioengineering. June 2011.
University of Washington, Seattle, WA.

CERTIFICATIONS

Blood Alcohol Analyst Permit – Washington State Patrol Toxicology Laboratory Division.
September 2018 – Present

TRAINING AND COURSEWORK

Robert F. Borkenstein Course on the Effects of Drugs on Human Performance and Behavior. Long Beach, CA. September 23-27, 2019.

Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research and Litigation. Indiana University. Bloomington, IN. May 12-17, 2019.

Advanced Roadside Impaired Driving Enforcement Training. Seattle Police Department. Seattle, WA. September 24-25, 2018.

DUI detection & Standardized Field Sobriety Test Training. Seattle Police Department. Seattle, WA. September 12-14, 2018.

PUBLICATIONS

1. **Okolie O**, Irvin DM, Bagó JR, Sheets K, Satterlee A, Carey-Ewend AG, Lettry V, Dumitru R, Elton S, Ewend MG, Miller CR, Hingtgen SD. Intra-Cavity Stem Cell Therapy Inhibits Tumor Progression in a Novel Murine Model of Medulloblastoma Surgical Resection. Plos One. 13(7):e0198596 Jul 2018. PMID: 29990322 PMCID: PMC6038981

2. Bagó JR, **Okolie O**, Dumitru R, Ewend MG, Parker JS, Werff RV, Underhill TM, Schmid RS, Miller CR, Hingtgen SD. Tumor-homing cytotoxic human induced neural stem cells for cancer therapy. *Science Translational Medicine*. 9(375) Feb 2017. PMID: 28148846
3. **Okolie O**, Bagó JR, Schmid RS, Irvin DM, Bash RE, Miller CR*, Hingtgen SD*. Reactive astrocytes potentiate tumor aggressiveness in a murine glioma resection and recurrence model. *Neuro-Oncology*. 18(12):1622-1633 Dec 2016. PMID: 27298311
4. Bagó JR*, Pegna GJ*, **Okolie O**, Mohiti-Asli M, Lobo EG, Hingtgen SD. Electrospun nanofibrous scaffolds increase the efficacy of stem cell-mediated therapy of surgically resected glioblastoma. *Biomaterials*. 90:116-25 Jun 2016. PMID: 27016620
5. Bagó JR*, Pegna GJ*, **Okolie O**, Hingtgen SD. Fibrin matrices enhance the transplant and efficacy of cytotoxic stem cell therapy for post-surgical cancer. *Biomaterials*. 84:42-53 Apr 2016. PMID: 26803410 PMCID: PMC4790749
6. Kim MS, Haney MJ, Zhao Y, Mahajan V, Deygen I, Klyachko NL, Inskoe E, Piroyan A, Sokolsky M, **Okolie O**, Hingtgen SD, Kabanov AV, Batrakova EV. Development of exosome-encapsulated paclitaxel to overcome MDR in cancer cells. *Nanomedicine*. 12(3):655-64 Apr 2016. PMID: 26586551 PMCID: PMC4809755
7. Bagó JR, Alfonso-Pecchio A, **Okolie O**, Dumitru R, Rinkenbaugh A, Baldwin AS, Miller CR, Magness ST, Hingtgen SD. Therapeutically engineered induced neural stem cells are tumor-homing and inhibit progression of glioblastoma. *Nature Communications*. 7:10593 Feb 2016. PMID: 26830441 PMCID: PMC4740908