# Neurology Resident

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**EDUCATION**

**Fellowship – Neuro-oncology July 2019 – July 2020**

Cleveland Clinic Foundation, Cleveland, OH

Expected Graduation: June 2020 (expected)

**Resident – Neurology 2016 - 2019**

University of Maryland Medical Center, Baltimore, MD

**Doctor of Medicine, MD 2013 - 2016**

Robert Wood Johnson Medical School, Piscataway, NJ

**Bachelor of Science: Physics**  **2001 – 2005**

Ohio State University, Columbus, OH

**CAREER-RELATED EXPERIENCE**

**Dosimetrist 2007 – 2009**

Ohio State University Medical Center

* Performed extensive 2D & 3D treatment planning using XIO for all anatomical sites (breast, prostate, etc.)
* Advised radiation oncologists on optimal treatment plans for individual patients

**Intern, Dosimetry and Medical Radiation Physics 2007**

International Atomic Energy Agency (IAEA) Vienna, Austria

* Created Microsoft Excel-based dosimetry program
* Presented work at conference attended by doctors from around the world

**Teaching Assistant for First Year Physics labs 2005 - 2006**

Ohio State University

* Helped students understand and complete laboratory work
* Instructed students on physics concepts

**RESEARCH EXPERIENCE AND AWARDS**

**Grants/Awards**

**Leadership for Women Scholarship 2017**

American Academy of Neurology

* Scholarship given to attend the Women in Leadership Program at the Breakthroughs in Neurology Conference in Phoenix, AZ.

**AAN Medical Student Prize for Excellence 2013**

American Academy of Neurology

* Prize awarded for outstanding evaluations and recommendations from faculty and for showing promise for a career in neurology

**RSNA Research Medical Student Grant 2012**

Principal Investigator: Dr. John Doctor

*Feasibility of 3-D Conformal Accelerated Partial Breast Irradiation (APBI) for Early Stage, Node Negative Breast Cancer Patients using Acculoc Fiducial Markers: A Phase 1 Trial.*

* Determined the extent of margin reduction around the seroma cavity over the course of treatment and its dependence on patient treatment setup strategy
* Used patient data to calculate isocenter differences to derive corresponding dosimetric impacts

**CERN Summer Research Student 2004**

European Organization for Nuclear Research (CERN), Geneva, Switzerland

Principal Investigtor: Dr. Jane Doctor

*MuonTrackTruthMaker*

* Programmed code for a component of a muon spectrometer project for the ATLAS particle detector

**Publications**

Smith, J., Jones, M. Treatment of Glioblastoma in Older Adults. Current Oncology Reports. 2019, in press.

Smith, S., Jones, T., Stereotactic body radiotherapy (SBRT) in the treatment of pancreatic cancer. Expert Review of Anticancer Therapy. 2017 Apr;13(4):481-7.

**Peer Reviewed Abstracts**

Smith, A., Jones, B., Novel Use of Polymer Gels for Internal Radionuclide Dosimetry of Tc 99m. Med Phys. 2017 Jun; 35(6): 2676.

Jones, A., Smith, B., Brown, A., Preliminary investigation of PAGAT polymer gel radionuclide dosimetry of Tc-99m. Journal of Physics: Conference Series. 2016 May; 164(1): 012050.

Jones, S., Smith, P., Brown, S., Novel use of polymer gels for internal radionuclide dosimetry measurements. The Journal of Nuclear Medicine. 2015 May; 48(Supplement 2): 440.

**Presentations and manuscripts**

2019 Jones A., Smith B, Brown C, et al. Age as a prognostic factor for treatment outcomes in glioblastoma. Poster presentation at the American Academy of Neurology 2017 Annual Meeting, Boston, MA. April 23, 2017.

2018 Jones C, Smith D, Autoimmune ganglionopathy: a rare cause of cardiac arrest. Poster presentation at Neurocritical Care Society Conference, National Harbor, MD. September 15, 2016.

**VOLUNTEER EXPERIENCES**

**Volunteer, HIPHOP Health Fair February 2017**

Adult learning center, Philadelphia, PA

* Assisted community members with height and weight measurements

**Volunteer, AMA blood pressure screenings October 2012**

Jacob’s Promise soup kitchen, Philadelphia, PA

* Took blood pressure readings at a soup kitchen
* Scheduled doctor appointments for follow up care

**LANGUAGES**

English (Fluent), French (Intermediate), Spanish (Basic)

**ACTIVITIES AND INTERESTS**

Violin gave lessons, played in a quartet

Sports biking/spinning, swimming, tennis, skiing