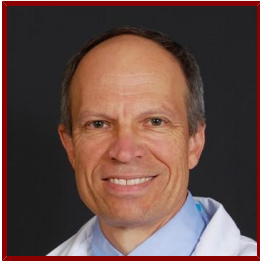


# Stanford

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## Donald Born

Clinical Professor, Pathology

### CLINICAL OFFICES

- **Pathology Department**

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### ACADEMIC CONTACT INFORMATION

- **Neuropathology Clinical Contact**

Dory Palacio - Neuropathology and Autopsy Assistant

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### Bio

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#### BIO

Dr. Born obtained his medical degree from the University of Virginia where he also completed a Ph.D. in Neuroscience. His next training occurred at the University of Washington as an Anatomic Pathology resident and Neuropathology fellow. He moved to Stanford in 2013 and as Clinical Professor of Pathology he sees a wide range of samples related to the field of neuropathology.

#### CLINICAL FOCUS

- Anatomic Pathology
- Neuropathology
- Ocular Pathology
- Neurodegeneration

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Pathology

#### ADMINISTRATIVE APPOINTMENTS

- Neuropathology Fellowship CCC Chair, Pathology, (2015- present)
- Assistant Director Neuropathology Laboratory, Patholot, (2013- present)

#### PROFESSIONAL EDUCATION

- Medical Education: University of Virginia School of Medicine (1987) VA
- Residency: University of Washington Medical Center (1993) WA
- Board Certification: Anatomic Pathology, American Board of Pathology (1995)
- Board Certification: Neuropathology, American Board of Pathology (1995)

## Research & Scholarship

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### CLINICAL TRIALS

- Exploratory Evaluation of AR-42 Histone Deacetylase Inhibitor in the Treatment of Vestibular Schwannoma and Meningioma, Not Recruiting

### Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neuropathology (Fellowship Program)

### Publications

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#### PUBLICATIONS

- **ROSETTE-FORMING GLIONEURONAL TUMOR IS DEFINED BY FGFR1 ACTIVATING ALTERATIONS WITH FREQUENT ACCOMPANYING PI3K AND MAPK PATHWAY MUTATIONS**  
Calixto-Hope, L., Lee, J., Sloan, E., Hofmann, J., Van Ziffle, J., Onodera, C., Grenert, J., Devine, P., Kline, C., Banerjee, A., Clarke, J., Taylor, J., Oberheim-Bush, et al  
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- **Rosette-Forming Glioneuronal Tumor is Defined by FGFR1 Activating Alterations with Frequent Accompanying PI3K and MAPK Pathway Mutations**  
Lucas, C., Lee, J., Sloan, E., Hofmann, J., Van Ziffle, J., Onodera, C., Grenert, J., Bastian, B., Kline, C., Banerjee, A., Clarke, J., Taylor, J., Bush, et al  
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- **Granular Cell Pituitary Tumor in a Patient with Multiple Endocrine Neoplasia-1** *CUREUS*  
Pendharkar, A., Lin, C., Born, D. E., Hoffman, A. R., Dodd, R. L.  
2019; 11 (4)
- **Clinical Utility of GlioSeq Next-Generation Sequencing Test in Pediatric and Young Adult Patients With Brain Tumors.** *Journal of neuropathology and experimental neurology*  
Roy, S., Agnihotri, S., El Hallani, S., Ernst, W. L., Wald, A. I., Santana Dos Santos, L., Hamilton, R. L., Horbinski, C. M., Wadhvani, N. R., Born, D. E., Pollack, I. F., Nikiforov, Y. E., Nikiforova, et al  
2019
- **Macrophage Exclusion after Radiation Therapy (MERT): A First in Human Phase I/II Trial using a CXCR4 Inhibitor in Glioblastoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Thomas, R. P., Nagpal, S., Iv, M., Soltys, S. G., Bertrand, S., Pelpola, J. S., Ball, R. L., Yang, J., Sundaram, V., Lavezo, J. L., Born, D. E., Vogel, H., Brown, et al  
2019
- **Phosphoproteomic and Kinomic Signature of Clinically Aggressive Grade I (1.5) Meningiomas Reveals Rb1 signaling as a Novel Mediator and Biomarker.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Parada, C. A., Osbun, J. W., Busald, T., Karasozen, Y., Kaur, S., Shi, M., Barber, J., Adidharma, W., Cimino, P. J., Pan, C., Gonzalez-Cuyar, L. F., Rostomily, R., Born, et al  
2019
- **Granular Cell Pituitary Tumor in a Patient with Multiple Endocrine Neoplasia-1.** *Cureus*  
Pendharkar, A. V., Lin, C. Y., Born, D. E., Hoffman, A. R., Dodd, R. L.  
2019; 11 (4): e4541
- **Kinase Activity in Recurring Primary Skull Base Chordomas and Chondrosarcomas: Identification of Novel Pathways of Oncogenesis and Potential Drug Targets** *WORLD NEUROSURGERY*  
Tatman, P. D., Osbun, J., Yakkioi, Y., Kaur, S., Parada, C., Busald, T., Born, D., Ahmad, O., Zhang, J., Ferreira, M.  
2017; 107: 75–81
- **Lymphoplasmacytic Lymphoma Presenting As Giant Cell Arteritis: A Novel Case Report**  
Samghabadi, P., Berry, G., Natkunam, Y., Vogel, H., Shoor, S., Born, D.  
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- **Anti-PD-1-associated inflammatory-demyelinating lesions in patients with brain metastases**  
Samghabadi, P., Makar, S., Thomas, R., Pelpola, J., Reddy, S., Tranvinh, E., Spence, A., Vogel, H., Born, D., Sobel, R.  
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- **Why do inguinal hernia patients have pain? Histology points to compression neuropathy.** *American journal of surgery*  
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- **Comparative Proteomic Profiling Using Two-Dimensional Gel Electrophoresis and Identification via LC-MS/MS Reveals Novel Protein Biomarkers to Identify Aggressive Subtypes of WHO Grade I Meningioma.** *Journal of neurological surgery. Part B, Skull base*  
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Mikheev, A. M., Mikheeva, S. A., Trister, A. D., Tokita, M. J., Emerson, S. N., Parada, C. A., Born, D. E., Carnemolla, B., Frankel, S., Kim, D., Oxford, R. G., Kosai, Y., Tozer-Fink, et al  
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- **A case of malignant peripheral nerve sheath tumor of the hypoglossal nerve after stereotactic radiosurgery treatment.** *Journal of neurological surgery reports*  
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- **Invasion and proliferation kinetics in enhancing gliomas predict IDH1 mutation status.** *Neuro-oncology*  
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- **A Case of Bone-Only Extraneural Metastatic WHO Grade II Oligodendroglioma**  
Hoffer, Z., Marshall, D., Gonzalez-Cuyar, L., Keene, C., Burke, T., Chamberlain, M., Born, D., Flanagan, M.  
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- **Deep sequencing of multiple regions of glial tumors reveals spatial heterogeneity for mutations in clinically relevant genes** *GENOME BIOLOGY*  
Kumar, A., Boyle, E. A., Tokita, M., Mikheev, A. M., Sanger, M. C., Girard, E., Silber, J. R., Gonzalez-Cuyar, L. F., Hiatt, J. B., Adey, A., Lee, C., Kitzman, J. O., Born, et al  
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- **Teaching NeuroImages: Sacral spine chloroma** *NEUROLOGY*  
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- **MODELING THE IMPACT OF CELL OF ORIGIN AND HOST AGING ON CLINICAL FEATURES OF GLIOMA MALIGNANCY** *17th Annual Scientific Meeting and Education Day of the Society-for-Neuro-Oncology (SNO)*  
Mikheev, A. M., Ramakrishna, R., Stoll, E. A., Mikheeva, S. A., Beyers, R. P., Born, D., Rockhill, J. K., Silber, J. R., Horner, P. J., Rostomily, R.  
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- **Clinicopathologic Assay of 15 Tumor Resections in a Family with Neurofibromatosis Type 2** *JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE*  
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- **Multiplex Immunoassays of Peptide Hormones Extracted from Formalin-Fixed, Paraffin-Embedded Tissue Accurately Subclassify Pituitary Adenomas** *CLINICAL CHEMISTRY*  
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- **CYSTIC GLIOMAS ARE QUANTITATIVELY LESS BIOLOGICALLY AGGRESSIVE** *16th Annual Scientific Meeting of the Society-for-Neuro-Oncology (SNO)/AANS/CNS Section on Tumors*  
Baldock, A. L., Rockne, R., Canoll, P., Born, D., Yagle, K., Swanson, K. R.  
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- **HIF Induces Human Embryonic Stem Cell Markers in Cancer Cells** *CANCER RESEARCH*  
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  - **Multimodality treatment of brain arteriovenous malformations with microsurgery after embolization with Onyx: Single-center experience and technical nuances** *NEUROSURGERY*  
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  - **Graft overgrowth and ependymal cyst formation despite initial clinical improvement in a Huntington's patient who received fetal neural transplants** *15th Annual Meeting of the American-Society-for-Neural-Therapy-and-Repair*  
Keene, C. D., Chang, R., Leverenz, J. B., Kopyov, O., Hevner, R., Born, D., Bird, T. D., Montine, T. J.  
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  - **The effect of binge fetal alcohol exposure on the number of vasoactive intestinal peptide-producing neurons in fetal sheep brain** *DEVELOPMENTAL NEUROSCIENCE*  
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  - **Mycobacterium marinum infection of adult zebrafish causes caseating granulomatous tuberculosis and is moderated by adaptive immunity (vol 74, pg 6108, 2006)** *INFECTION AND IMMUNITY*  
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  - **Epidermal growth factor receptor and p53 expression in a large series of gliosarcomas: A tissue microarray study** *96th Annual Meeting of the United-States-and-Canadian-Academy-of-Pathology*  
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  - **Effects of first trimester binge alcohol exposure on developing white matter in fetal sheep** *PEDIATRIC RESEARCH*  
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Rostomily, R. C., Elias, M., Deng, M., Elias, P., Born, D. E., Muballe, D., Silbergeld, D. L., Futran, N., Weymuller, E. A., Mankoff, D. A., Eary, J.  
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  - **NeuN expression correlates with reduced mitotic index of neoplastic cells in central neurocytomas** *NEUROPATHOLOGY AND APPLIED NEUROBIOLOGY*  
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- **Hippocampal N-methyl-D-aspartate receptor subunit mRNA levels in temporal lobe epilepsy patients** *ANNALS OF NEUROLOGY*  
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