

Blake T. Endres

3750 Coventry Drive
Anchorage, Alaska 99507
(907) 306-4127
Jarl.endres22@alumni.colostate.edu

Personal Objective:

- As a dedicated and results-driven scientist, my objective is to contribute my expertise in Microbiology/Immunology/Pathology & Data Analysis to advance research and innovation within a field of biotechnology

Qualification Summary:

- Proficient in both Macintosh and Windows interface computer software.
 - Adobe, Excel, Word, Powerpoint, and Microsoft Office.
 - Google: Sheets/Presentation
- Participant and 1st Place winner in the 2013 BrainBee at UAA, first Alaskan representative in the National BrainBee at the University of Baltimore.
- Fluent with medical terminology and associated medical abbreviations/acronyms.
- Efficient and accurate keyboard typing/spelling/grammar (70 words per minute).
- Able to perform and execute multiple tasks within a group setting and independently and within expected deadlines provided.
- B.S in Cognitive & Behavioral Neuroscience
- M.S Microbiology/Immunology/Pathology (3.57 GPA)
- Proficient in SNAPGENE/R/R/PYMOL/PubMed
- Graduate Certificates: Cancer Biology/Bioinformatics/Medical Microbiology/Epidemiology of Infectious Disease/Immunogenomics via CRISPR Biotech Engineering
- Currently enrolled in the graduate certificate program: Statistical Analysis with R Programming at UW
- Highly proficient in Organic Chemistry, Neurobiology, Neuropathology, Neuroradiology, Neuro Histopathology, Microbiology, Immunology, Pathology
- Owner of Alzheimer's Wellness Crate Company
- Owner of Crux Neuroscience; Neuroscience Blog
- Research scientist for Cellular & Molecular Neuroscience
- Published Scientific Author “*Effect of acacetin on the reticular activating system behavioral network: implication for Neurotherapy*”
- Scientific Author “*Transgenic bacterial cisplatin delivery therapy effectiveness and potential in treatment of lung carcinomas*”
- Highly proficient in Neurocritical Care/Localization in Clinical Neurology
- Highly proficient in DSI-Studio (DTI Tractography software)
- Highly proficient in most MRI software
- Highly proficient in neuroradiological anatomy examinations & interpretations
- Highly proficient in neuro oncologic diagnostic & pharmacological

Clinical Experience:

- Patient rooming, evaluation & assessment, vital signs, patient history documentation, proficient in electronic medical record modules, procedure/injection preparation and sterile technique, radiology assistant (C-arm/fluoroscopy), musculoskeletal ultrasound assistant, proficient in phlebotomy venipunctures and knowledgeable in order of draw.
- Creating complex and precise patient chart notes and history evaluations
- Implementing keen aptitude in FMRI/MRI/CT/PET scans to upload specific targeted regions of interest into EHR.
- Procedural technique for bronchoscopies
- Procedural knowledge and technique for running the ION machine from Intuitive
- Handling and processing of biopsy specimens

Internships:

- University of Anchorage Alaska, Brain Lab internship (May 2013-July 2013).
 - Neurohistological studies
 - Neuroanatomical landmarks
 - Cadaver anatomical landmark assessments
- Colorado State University, Plant Biology lab via Dr. Lou Bjostad (August 2019)
 - Plant phytochemical extraction analysis
 - Organic chemistry procedures
 - Mass spectroscopy
 - Liquid chromatography
 - Gas chromatography
- Colorado State University, Plant Genetics Lab via Dr. Esten Mason (2021-2022)
 - Plant genetic and physiology analysis
 - Meta-analysis research project
 - Neuropharmacology
 - Neurophysiology
 - Thesis research project
- Colorado State University, Microbiology and immunology and pathology (2022-present)
 - Microbiology research
 - Advanced microbiological research methods
 - Synthetic Biology research
 - Oncology Research
 - DNA analysis
 - Nanopore sequencing
 - SnapGene
 - R
 - Flow Cytometry

- RNA analysis
- RNA prep → cDNA

Volunteering:

- 40 hours at Luv Michael (autism based non-profit)
- 10 hours at Food Bank of Alaska
- 100+ hours running a Alzheimer's therapy telehealth group and information hub via my medical Instagram page
- Business owner at Alzheimer's Wellness Crate Company

Education:

- M.S MIP 3.57 GPA, (Dec.2023)
- 152 credits in coursework for biology/ chemistry/ biochemistry / anatomy
- 2023 - University of Washington, Graduate Certificate in Statistical Analysis in R programming
- 2021-2023 Colorado State University, M.S in Microbiology, Immunology, Pathology
- 2019-2022 Colorado State University, B.S in Cognitive & Behavioral Neuroscience
- 2015-2016 University of Anchorage Alaska, Biological Science, spring semester.
- 2014-2015 University of Anchorage Alaska, Biological Science, spring semester.
- 2013 - 2014 Alaska Pacific University Early Honors program, autumn semester
- 2013-Spring semester 2014 Student at Alaska Pacific University
- 2010-2014 Service High School (Diploma earned; May 14th 2014)

Employment:

- 2023-Current, Astro Division, lead medical device design scientist
- 2023- Current Providence Hospital, Robotic ION Bronchoscopy Specialist
- 2017-2018 Peak Neurology, clinical assistant/procedure technician/Scribe
- 2016-2017 Algone interventional Pain Clinic, Procedure technician
- 2019 - present Astro Division Biotech
- 2023-present, Providence Hospital Endoscopy Department

Peak Neurology → Phone: (907) 331-3640

Algone interventional Pain Clinic → Phone: (907) 770-1152

References:

Robert Weingart: 907-441-1433
Relationship: Business Advisor

Micah Smith: 907-830-0205
Relationship: PA-C

Eric Cothran: 907-230-7487

Relationship: RN

Sara Brown: 907-388-6898

Relationship: PA-C