

“Jarl” Blake T. Endres

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Personal Objective:

- As a dedicated and results-driven scientist, my objective is to contribute my expertise in Microbiology/Immunology and Neurobiology & 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 Neuroscience
- M.S Microbiology/Immunology(3.57 GPA)
- Current Candidate PhD in Microbiology/Immunology focus in Neuroimmunology within Synthetic Biology
- 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 acetin 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
- PCR
- qt-PCR
- rt-PCR

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:

- PhD Microbiology & Immunology 3.62 GPA (Current Candidate with 2 years left/finishing Dissertation)
- M.S Microbiology & Immunology 3.57 GPA, (Dec.2023)
- B.S in Neuroscience (Dec 2021)
- 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, Wellness Crate Company, lead program developer and chief scientist
 - 2023- 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

Katheryn Upton: 619-203-5232
Relationship: Department head of Cardiothoracic surgery at Providence/ Previous Manager

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

Eric Cothran: 907-230-7487
Relationship: RN

Sara Brown: 907-388-6898
Relationship: PA-C