

2020

Commercialization Award

Best Overall Invention Disclosure

Vertical Comet: A Novel Electrophoresis Assay

Inventors:

Andrej Podlutsky and Robert
Williams



- Developed by Dr. Andrej Podlutsky, UAF Institute of Arctic Biology and Department of Biology and Wildlife and Mr. Robert Williams, UAF graduate student.
- Used for detection of fragments of DNA due to damage or potentially intentional DNA manipulation.
- Solution to the problem of interlab variability of results by eliminating the need for the imaging and analysis phases.
- US Provisional Patent Application No. 63/078,853 : Electrophoresis Array. Research supported by National Institute of General Medical Sciences of the National Institutes of Health.



The University of Alaska Fairbanks is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [Learn more about UA's notice of nondiscrimination](#)