

1 Title: Amplicon-contained lateral flow test that enables sequential delivery: a demonstration on HIV drug resistance detection

Presenting author: Kyla Yamashita (she)

Location: Exhibit Hall - Row H Poster #288

Date: October 12th **Time:** 9:30 - 10:30 AM



6 Title: A model system to detect virulent *S. marcescens* infection using an engineered restriction endonuclease mediated DNA strand displacement (resDSD) circuit

Presenting author: Megan van Meurs (they)

Location: Exhibit Hall - Row H Poster #298

Date: October 12th **Time:** 2:00 - 3:00 PM



2 Title: Fish Oligonucleotide Ligation Assay: a molecular classifier assay for rapid, portable, and inexpensive Pacific cod (*G macrocephalus*) population assignment

Presenting author: Dr. Nuttada Panpradist (she)

Location: Exhibit Hall - Row H Poster #292

Date: October 12th **Time:** 9:30 - 10:30 AM



7 Title: Development of oligonucleotide ligation assay & lateral flow test to detect multi-drug resistant TB

Presenting author: Dr. Nuttada Panpradist (she)

Location: Room 347

Session: Global Health Tech I

Date: October 13th **Time:** 8:45 - 9 AM



3 Title: Development of a rapid assay & a portable device to detect tuna species

Presenting authors: Ana Kim (they), Xuanchang Hu (he), Stephen Macris (he)

Location: Exhibit Hall - Row H Poster #287

Date: October 12th **Time:** 9:30 - 10:30 AM



8 Title: Development of a reverse transcription recombinase polymerase amplification assay targeting long terminal repeat regions of the HIV-1 genome to enable HIV-1 RNA viral quantification at point-of-care

Presenting authors: Sami Nguyen (she) & Mathea Caole (she)

Location: Exhibit Hall - Row I Poster #358

Date: October 13th **Time:** 3:30 - 4:30 PM



4 Title: A rapid, high-throughput, melt-based assay for rapid optimization of oligonucleotide ligation assay to detect multi-drug resistant tuberculosis

Presenting author: Inyoung Seo (he)

Location: Exhibit Hall - Row H Poster #290

Date: October 12th **Time:** 9:30 - 10:30 AM



9 Title: Point-of-care assay for screening congenital cytomegalovirus

Presenting authors: Ana Kim (they), Lesley Chan (she), Xuanchang Hu (he)

Location: Exhibit Hall - Row J Poster #363

Date: October 13th **Time:** 3:30 - 4:30 PM



5 Title: In-clinic feasibility testing of a point-of-care low-cost COVID-19 RT-PCR test: a case study at MedStar Georgetown University Hospital Pediatric clinic

Presenting author: Annika Sahota (she)

Location: Exhibit Hall - Row H Poster #296

Date: October 12th **Time:** 2:00 - 3:00 PM



10 Title: Python-based algorithm for binary classification of lateral flow test for HIV drug resistance detection

Presenting author: Ria Sonigra (she)

Location: Room 343

Session: Global Health Tech II

Date: October 14th **Time:** 1:45 - 2:00 PM



More info:



Dr. Panda (Panpradist, Nuttada)'s research team
@ University of Washington

We thank our collaborators from:

- 1) Global WACH at Hans Rosling Building Population Health
- 2) Lutz Lab at BioEngineering

- 3) Wasser Lab at Conservation Biology
- 4) Bohringer Lab at Electrical and Computer Engineering
- 5) Frenkel Lab at Seattle Children's Research Institute.
- 6) Hladik Lab at Fred Hutch
- 7) MISL Lab at Paul G. Allen Center For Computer Sci & Engr
- 8) Klavins Lab at MoLES/NanoES

