IntelliSpace Genomics

Challenges in Genomic Aberration Detection and Interpretation in Solid Tumors and Evidence-based Approaches for Targeted Therapy

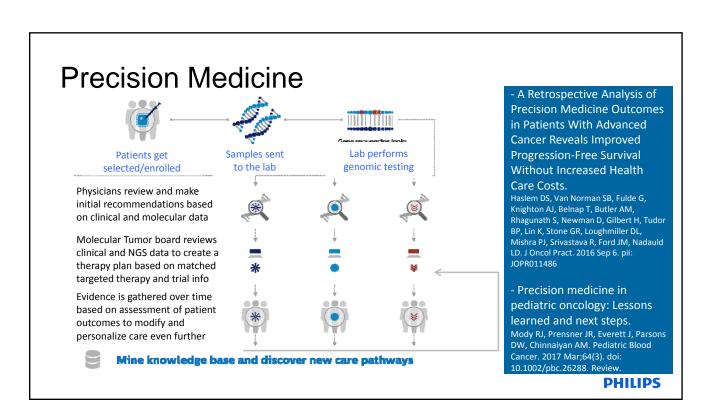


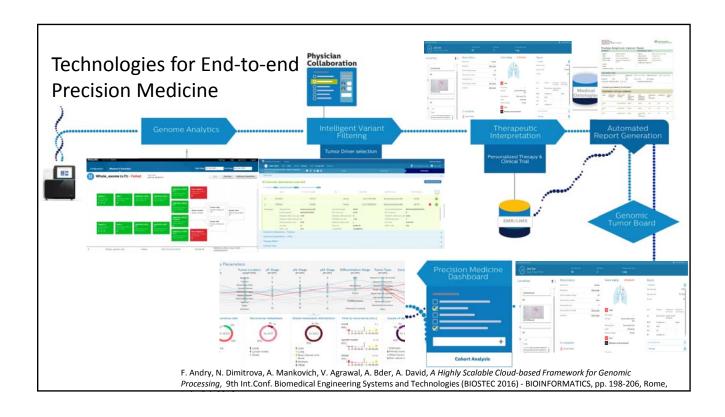
Nevenka Dimitrova, PhD, CTO Genomics, Healthcare Informatics, Philips Sheryl Elkin, PhD, N-of-One

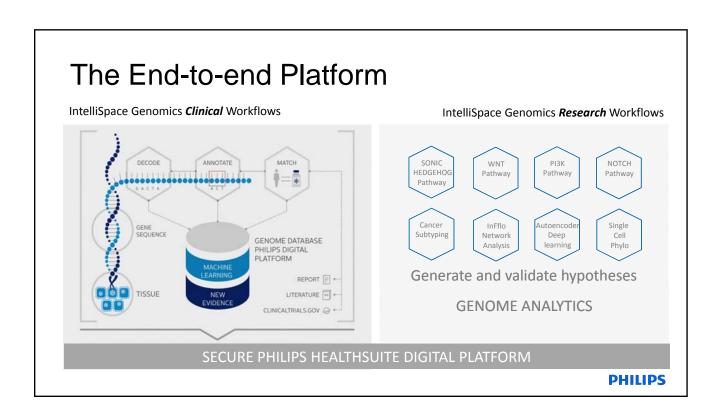
Philips Healthcare Informatics – Genomics AMP Webinar March 14, 2017

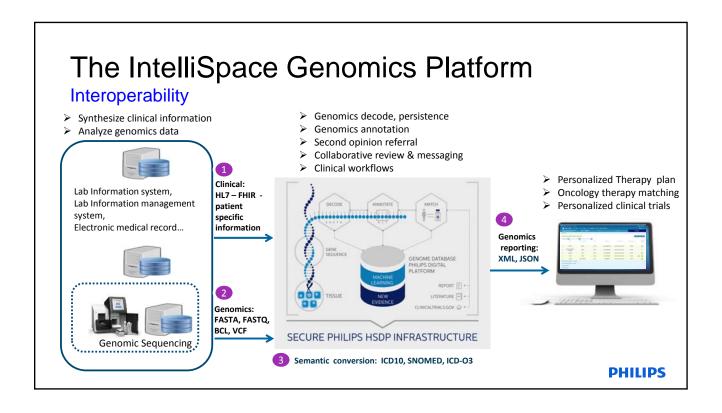


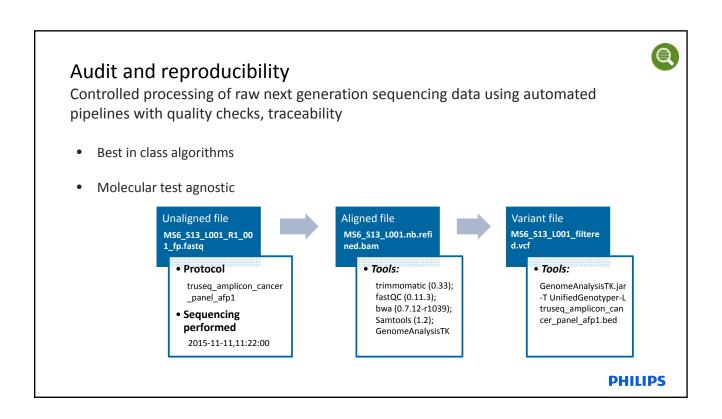
innovation ≠ you

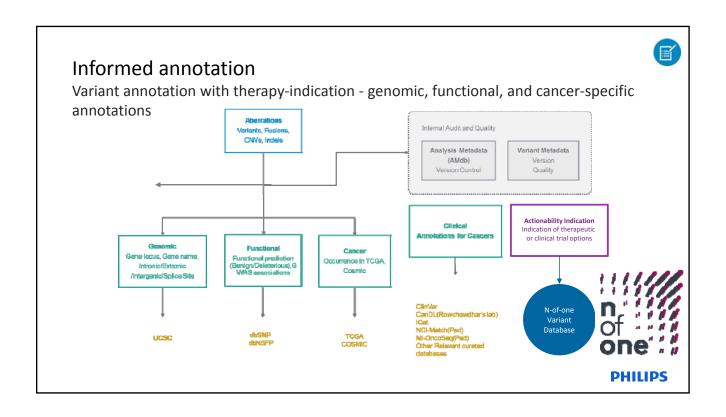










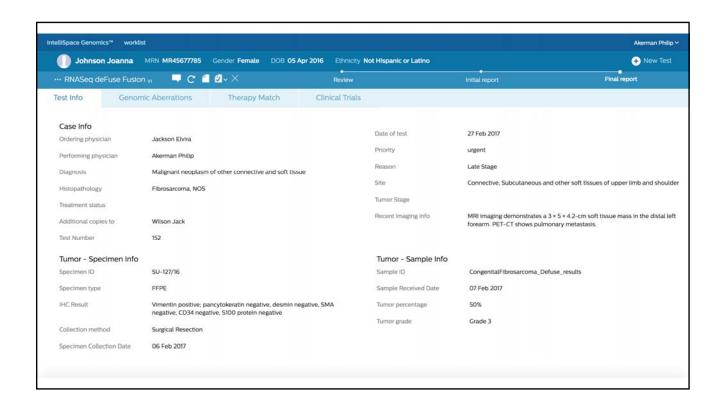


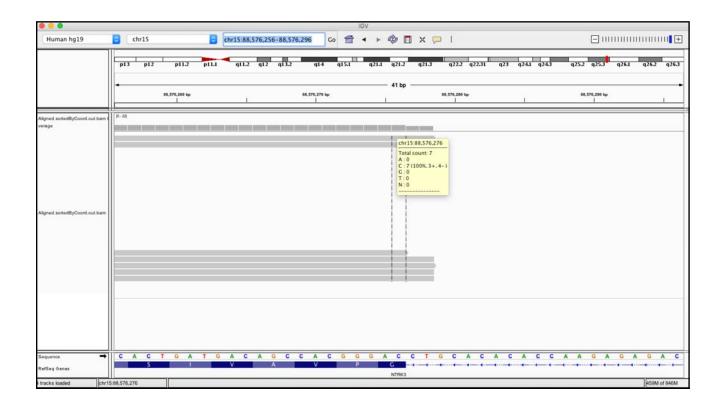
N-of-One: Clinical Interpretation of Molecular Diagnostic Tests

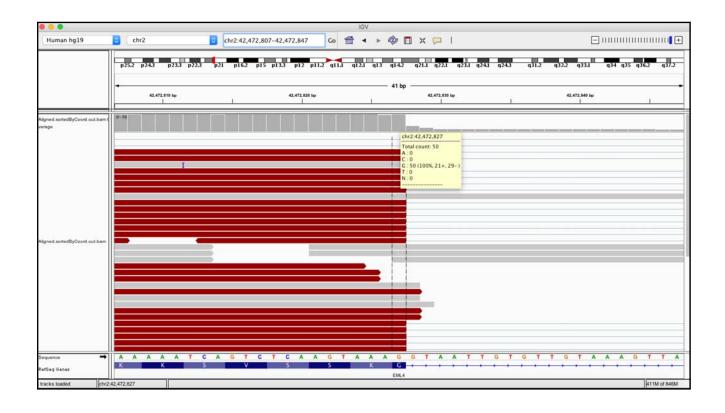
- Acknowledged leader with 8-year track record of success
- High quality, patient-specific, data-driven therapeutic strategies with reproducible methodology
- Utilized by hospital and commercial labs worldwide: all size panels and on multiple test platforms
- Tens of thousands of patient cases interpreted across hundreds of cancer types
- Industry-leading proprietary tools, platform and database
- Experienced team of practicing oncologists and Ph.D. scientists

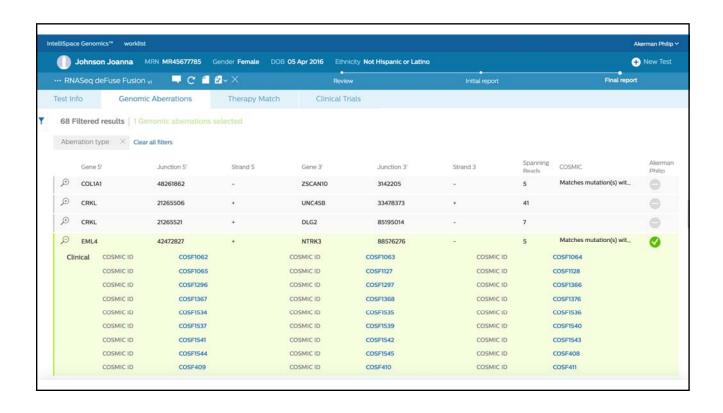


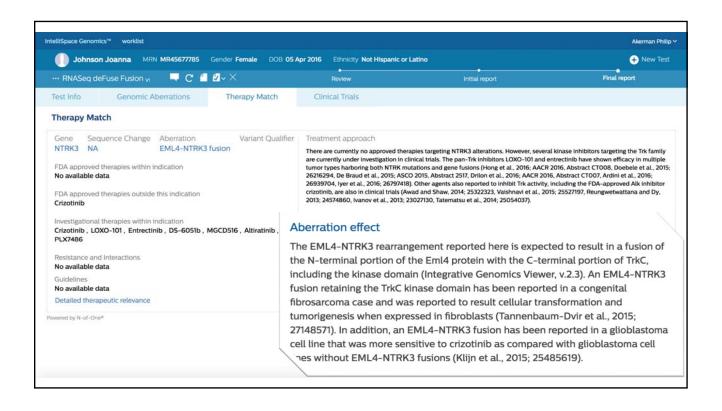
PHILIPS

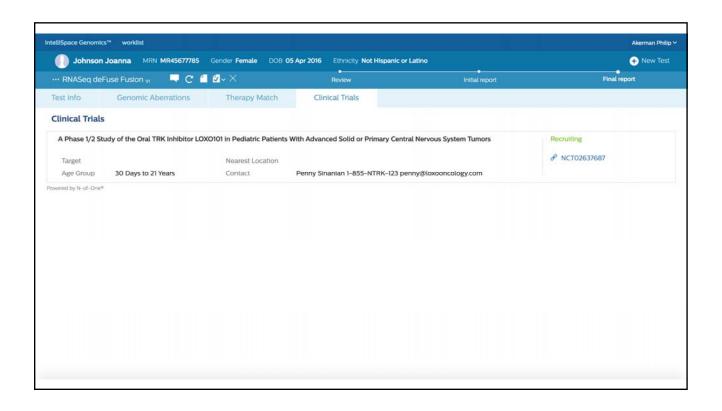


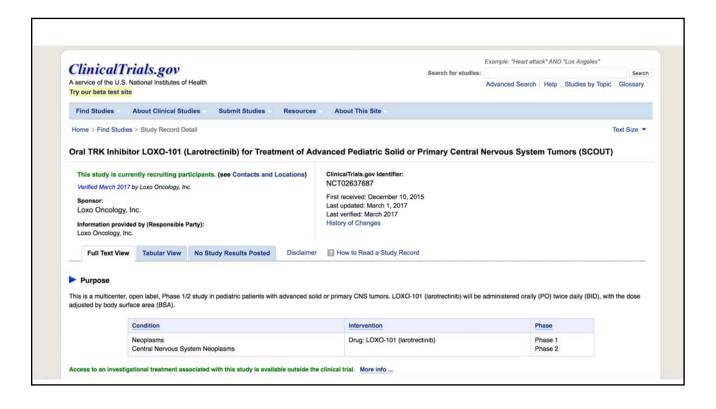












Detailed Description:

This is a multicenter, open label, Phase 1/2 study in pediatric patients with advanced solid or primary CNS tumors. LOXO-101 (larotrectinib) will be administered orally (PO) twice daily (BID), with the dose adjusted by body surface area (BSA).

Dose Escalation Phase will proceed through the planned 4 dose levels, or until the MTD is reached, or until the Sponsor determines that a suitable dose has been achieved based on PK exposure.

Expansion Cohorts may be enrolled to better characterize safety and efficacy in patients with specific abnormalities in the NTRK genes or proteins.

Eligibility

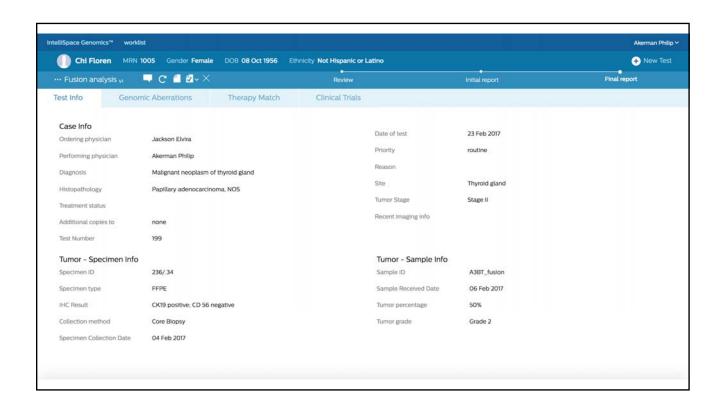
Ages Eligible for Study: 1 Month to 21 Years (Child, Adult)

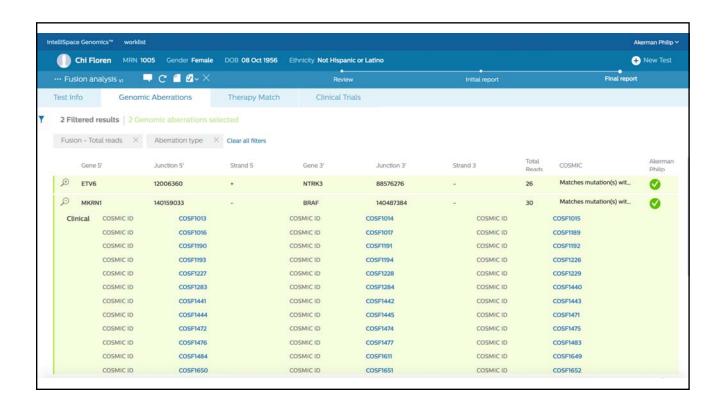
Sexes Eligible for Study: All Accepts Healthy Volunteers: No

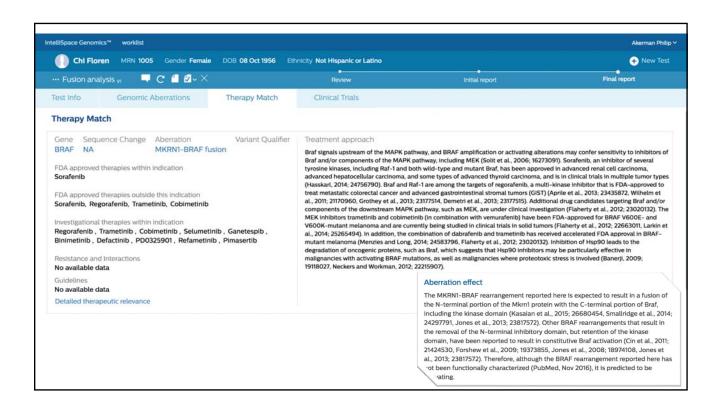
Criteria

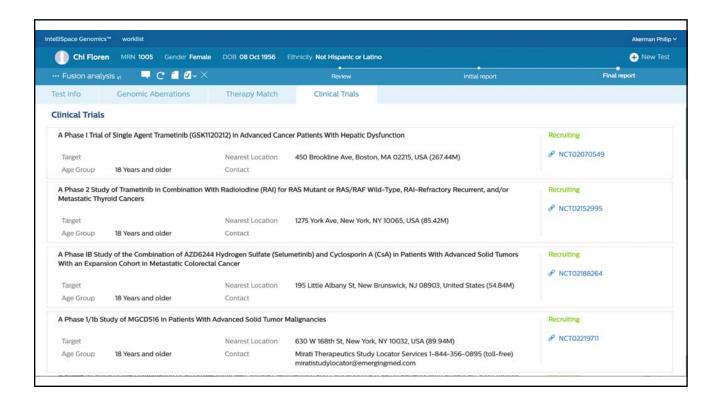
Inclusion Criteria:

- Pediatric patients ≥ 1 year old on Cycle 1 Day 1 (C1D1)
- Phase 1 only: Between 1 and 21 years of age at C1D1 with a locally advanced or metastatic solid tumor or primary CNS tumor that has relapsed, progressed or was nonresponsive to available therapies and for which no standard or available systemic curative therapy, or ≥1 month old with a diagnosis malignancy and with a documented NTRK fusion that has progressed or was nonresponsive to available therapies, and for which no standard or available curative therapy exists or patients with locally advanced infantile fibrosarcoma who would require, in the opinion of the Investigator, disfiguring surgery or limb amputation to achieve a complete surgical resection
- Phase 2 only: Ages >/= 1 month of age at C1D1 with a locally advanced or metastatic infantile fibrosarcoma, Patients with locally advanced infantile fibrosarcoma who would require, in the opinion of the Investigator, disfiguring surgery or limb amputation to achieve a complete surgical resection enrollment or ages 1 month through 21 years of age at C1D1 with a locally advanced or metastatic solid tumor or primary CNS tumor that has relapsed, progressed or was nonresponsive to available therapies and for which no standard or available systemic curative therapy with a documented NTRK gene fusion (identified through molecular assays as routinely performed at CLIA or other similarly-certified laboratories) or (including Expansion Phase) potential patients older than 21 years of age with a tumor diagnosis with histology typical of a pediatric patient and an NTRK fusion may be considered for enrollment following discussion between the local site investigator and the Sponsor's Medical Monitor.
- Karnofsky (those 16 years old or older) or Lansky (those younger than 16 years) performance score of at least 50
- Adequate hematologic function: Absolute neutrophil count (ANC) ≥ 1.0 109/L, platelet count ≥ 100.0 109/L and hemoglobin ≥ 8.0 g/dL (patients with bone marrow involvement will not be evaluable for hematologic DLT and can enroll with ANC ≥ 0.75 109/L, platelet count ≥ 50.0 109/L and hemoglobin ≥ 8.0 g/dL)
- Adequate hepatic function: Bilirubin (sum of conjugated + unconjugated) < 1.5 upper limit of normal (ULN) for age (patients with documented Gilbert's Disease may be enrolled with Sponsor approval).

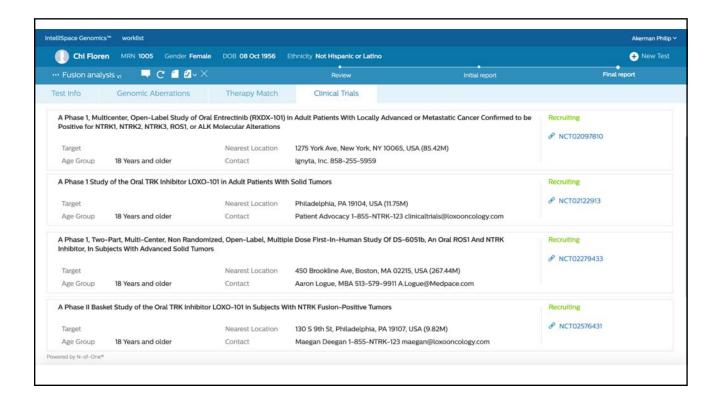


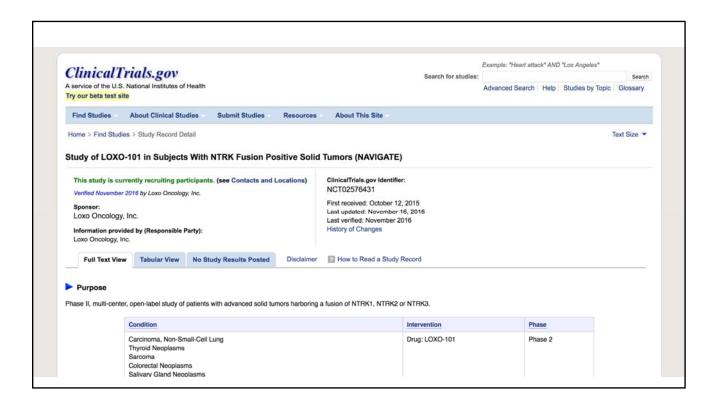


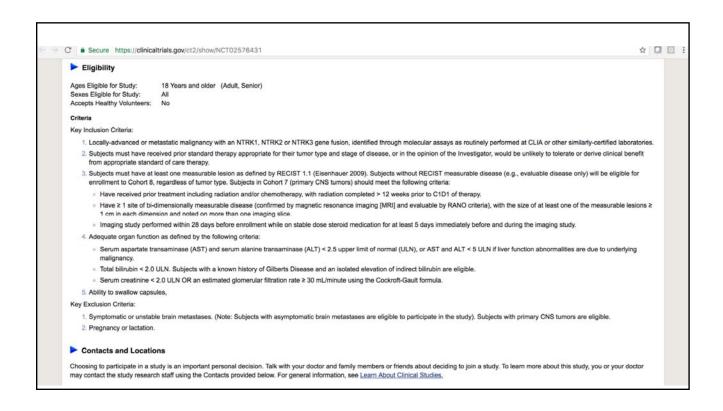


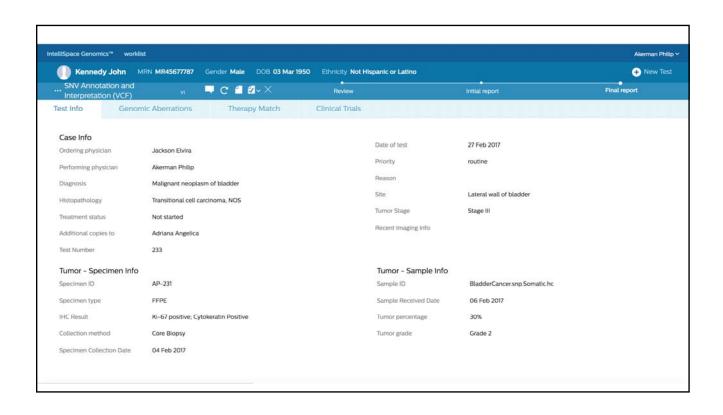


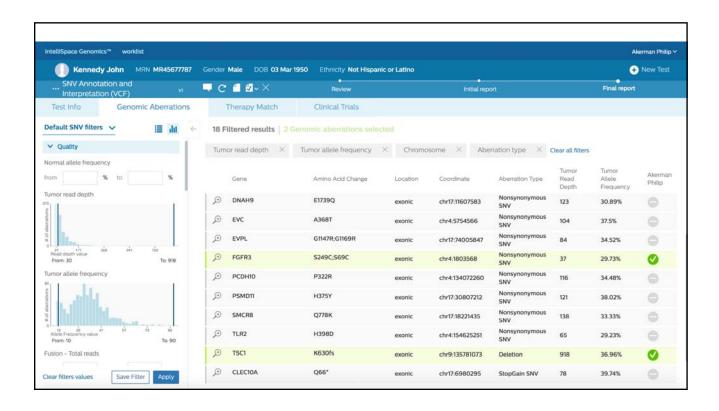


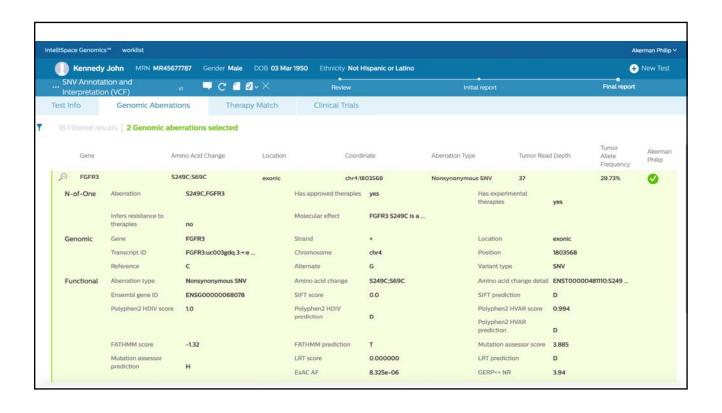


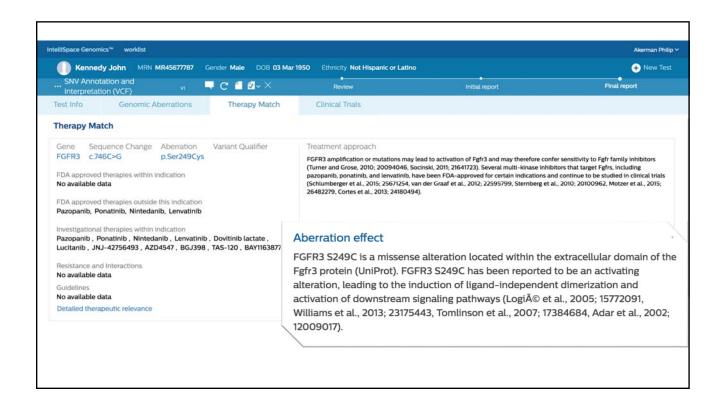


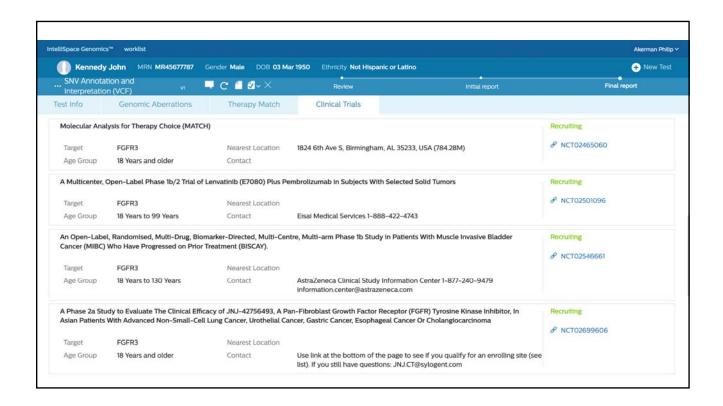


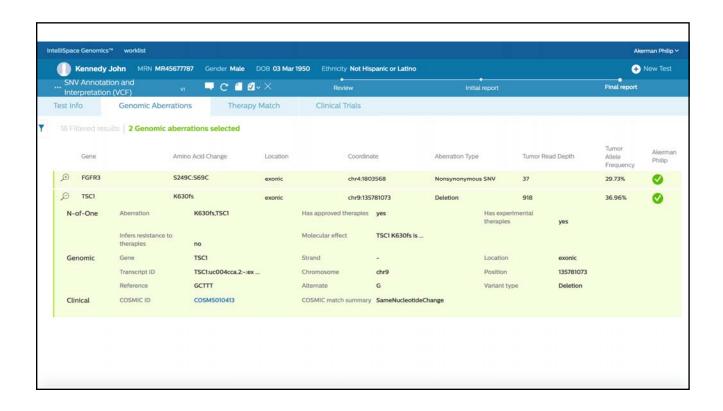


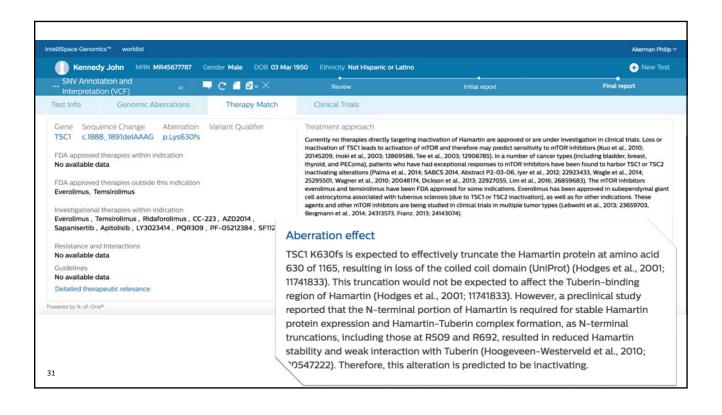


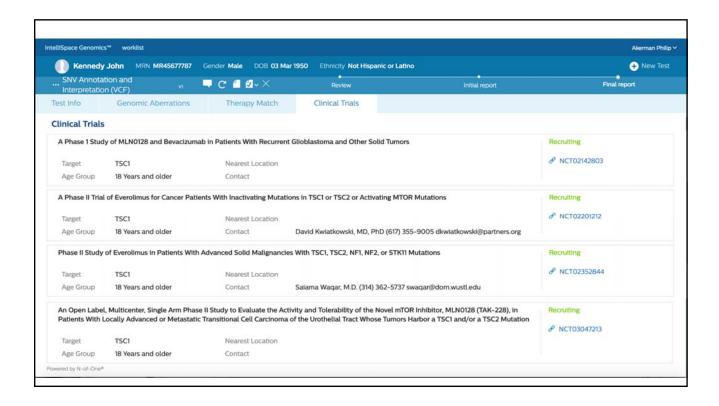












Philips & N-of-One

End-to-end solution for genomic analysis

- Medical-device grade, HIPAA-compliant end-to-end platform for bioinformatics, interpretation, reporting, and analytics
- Ability to host developed analytic pipelines, and access to Philips-developed methods and informatics expertise
- Enabling platform with full data and analytics traceability for collaborations across academic medical centers, pharmaceutical partners
- Clinical interpretation patient-specific, evidence-driven treatment strategies
- Biomarker specific clinical trial matching

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