



THE JACKSON LABORATORY

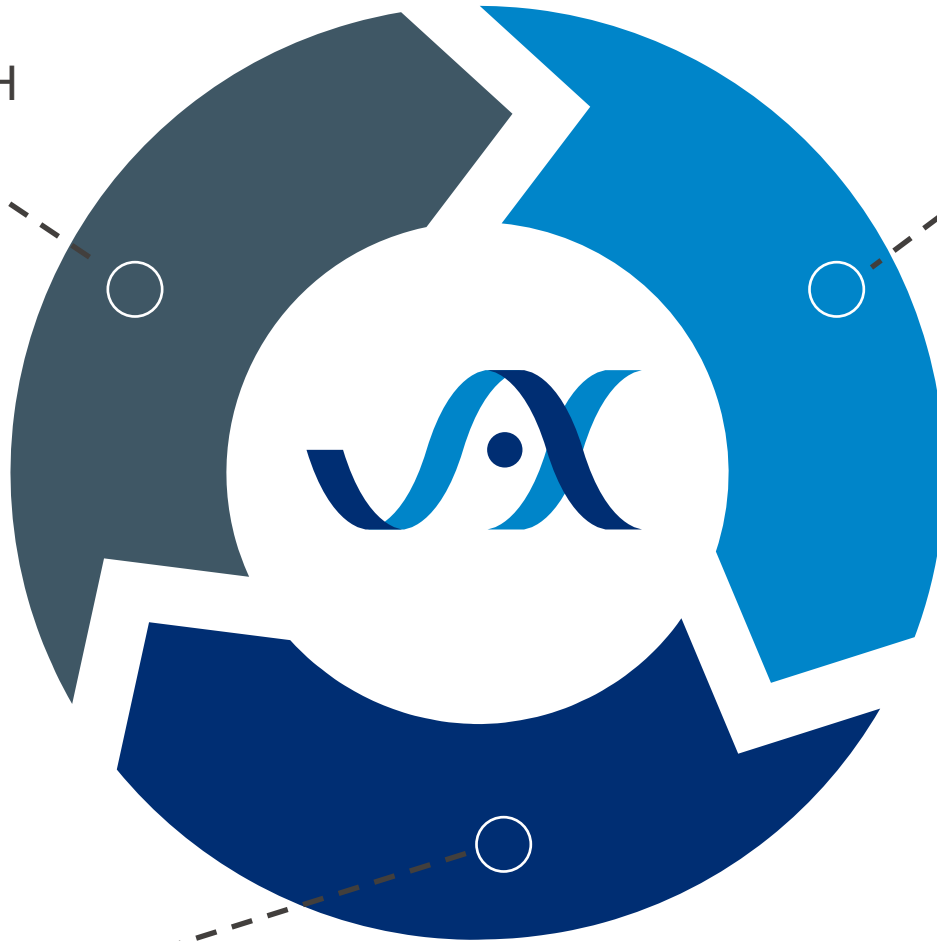
Kate Reed
Director, Clinical Education

RESEARCH

EDUCATION

High school
Undergraduates
Graduate students
Researchers
Clinicians

CLINICAL SERVICES



JAX

To discover precise genomic solutions for disease and empower the global biomedical community in our shared quest to improve human health.

Clinical Education

Integrate genomics into healthcare practice

- Promote health professional education;
- Partner with clinical communities;
- Facilitate collaborations; and
- Create programs and resources.



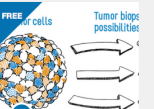
We have active & are developing/planning programs addressing provider genomic literacy

Program title(s)	Multiple
Type	Online, E-books, Workshops, Blended learning
Strategies	Collaboration, adult education best practices, reinforcement, competency/skill-based
Evaluation of trainee competence	Pre/post evaluation, for workshops – longer term evaluation (6 months, 12 months)
Systematic evaluation of program	
Genetic/genomic expertise	Internal, collaboration with SMEs & target audience
Timeline	Highly variable
Requests for assistance/collaboration	Identifying audience needs, dissemination/marketing, evaluating impact, embed programs into larger topics
Requests for RESEARCH programs	Engagement of target audience, behavior change evaluation, best practice education development




Providing education for different learners

ONLINE COURSES FOR CREDIT

Courses on precision medicine

 <p>Precision Medicine for Your Practice: Expanded Carrier Screening-CME</p>	 <p>Precision Medicine for Your Practice: Prenatal Cell-free DNA Screening-CME</p>	 <p>Precision Medicine for Your Practice: Exploring Somatic Cancer Panel Testing</p>	FIND A PRECISION MEDICINE COURSE +
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Courses on cancer genetics risk assessment, testing and management

 <p>Cancer Pre-Test Decisions & Counseling</p>	 <p>Interpreting Cancer Genetic Testing Results</p>	 <p>Cancer Genetic Testing Technology</p>	FIND A CANCER GENETICS COURSE +
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LIVE AND BLENDED WORKSHOPS

Evidenced based and tailored to the needs of your institution

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It was highly interactive; used many modalities of learning... and reinforced practice of a few key concepts.

Farmington Participant



TOOLS, RESOURCES, AND FACTSHEETS

Breast Cancer Breast cancer resources for health professionals	Cancer Resources Cancer resources for professionals in clinical and continuing education	Clinical Education Resources for clinical educators teaching genetics
Colorectal Cancer Colorectal cancer resources for health professionals	Ethical Issues In Genetics Resources about ethical, legal, and social issues (ELSI) related to genetics and genomics in clinical practice	Family History Family history resources for health professionals
Genetic Testing	Management	Prenatal Care

www.jax.org/ccep

Types: Focus on clinical skills

Topics	Self-directed online courses	In-person workshops	E-books	Online tools
Clinical skills	X	X		X
Cancer genomics	X	X	X	X
Personalized medicine	X	X		X
Genetic testing technologies	X		X	

Strategies: Best Educational Practices

Cancer Genetics Risk Assessment, Testing, and Management

- Watch
- Practice
- Dig Deeper
- Use Tools

Take the Quiz


FamHx in EHR

Why Collect FamHx

Pathology

More Practice

Cancer family history risk assessment – Intake visit (1/4)



Po

Use

[Family History Collection Tool](#)
A tool to help health care providers collect family history information to be able to assess underlying genetic risk.

[Pedigree Tool](#)
A tool to assist in the creation and interpretation of standardized human pedigree nomenclature.

✓ encourage patients to find out more details about their cancer family history

Strategies: Collaboration

Precision Medicine for Your Practice

PRECISION MEDICINE

START WATCH PRACTICE LOGISTICS DIG DEEPER TOOLS CME/CNE

Learn how to determine if cell free DNA screening is right for your patient

PRACTICE
WITH INTERACTIVE CASE STUDIES

NIA
Nia is 37 years of age and at 10 weeks gestation in her third pregnancy. She understands she has an increased risk for fetal chromosome abnormalities due to her age.

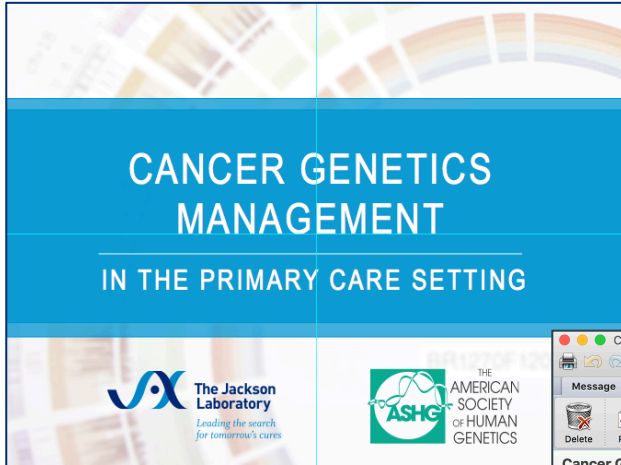
SARAH
Sarah is 31 and at 8 weeks gestation in her first pregnancy. She has a history of unexplained infertility, and this pregnancy was conceived by in vitro fertilization.

ALISHA
Alisha is 28 and currently 16 weeks gestation in her second pregnancy. Her first trimester screen showed an increased nuchal translucency (NT) with an elevated risk for Trisomy 21.



www.jax.org/cepm

Evaluation: Continued engagement



1. Interactive workshop
2. Monthly reinforcement
3. Longer term evaluation

Cancer Genetics workshop follow-up: Which genetic test should Paul have? - MI imp

Message


Delete Reply Reply All Forward Move Junk * Unread Categorize Follow Up

Cancer Genetics workshop follow-up: Which genetic test should Paul have?

Kate Reed

Sent: Tuesday, May 17, 2016 at 1:28 PM

To: Kate Reed

 Paul has never had cancer. His maternal aunt has a history of cancer and had genetic testing, which identified a pathogenic variant (mutation) in a gene known to increase the risk for certain cancers.

Which is the most appropriate test for Paul?

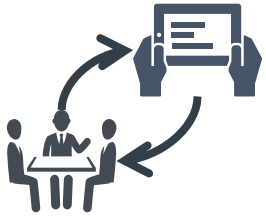
- A. [Targeted mutation analysis](#)
- B. [Single gene sequencing](#)
- C. [Multi-gene panel](#)
- D. [Whole genome sequencing](#)

Click on the best option above to check your answer and access the free e-book *Genetic Testing Methods!*

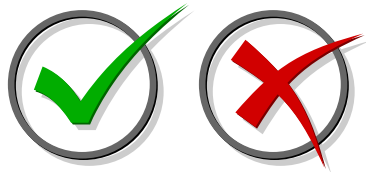
Needs: Collaboration & Support



Identify and target educational needs



Engagement and dissemination



Real-world evaluation

Kate Reed

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