

# 2018 ANNUAL REPORT

## Human Genetics Laboratory

Part of the  
 Munroe-Meyer Institute  
 for Genetics and Rehabilitation  
 at the University of Nebraska  
 Medical Center

Omaha, Nebraska 68106  
 402.559.5070

## ABOUT US

We are a CAP accredited and CLIA certified full-service cytogenetics and molecular genetics laboratory specializing in both constitutional and acquired disorders.

### Comprehensive genetic testing in multiple areas

- Prenatal and Pregnancy Loss
- Male Infertility
- Newborn diagnoses
- Pediatric and adult onset disorders
- Hereditary Cancer
- Hematology / Oncology
- Metabolism and Endocrinology

## LEADERSHIP

### Laboratory Director

Jennifer N Sanmann, PhD, FACMG  
 Dr. Sanmann is board certified in both Clinical Cytogenetics and Clinical Molecular Genetics through the ABMGG. She has more than 10 years experience with HGL.

### Associate Directors

Bhavana J Dave, PhD, FACMG  
 Scott C Smith, PhD

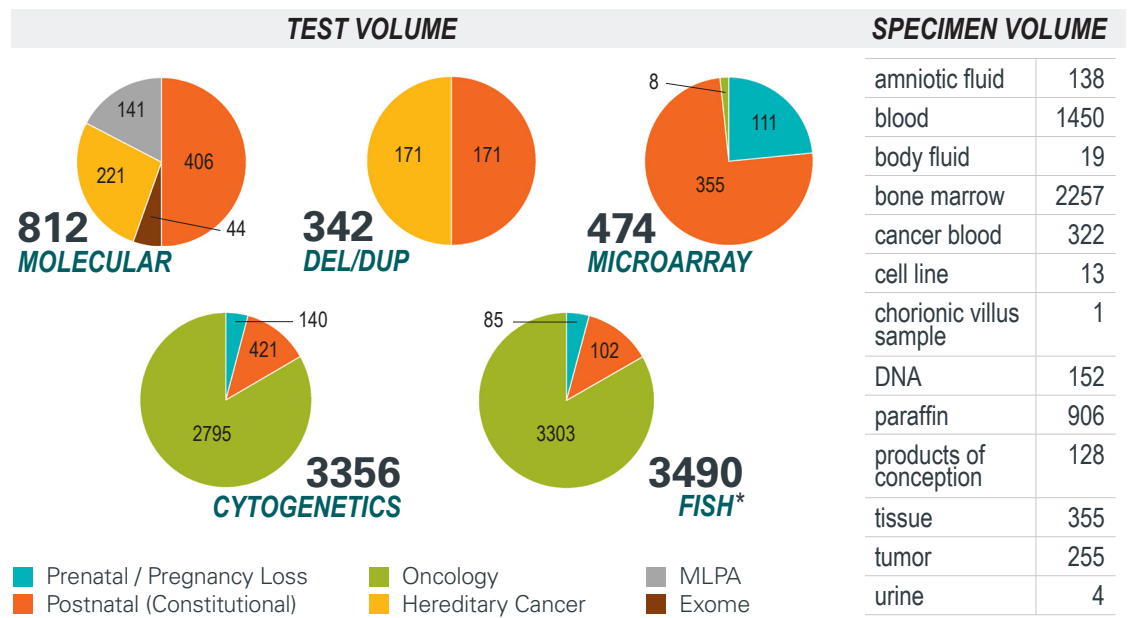
## TEAM EXPERTISE

- 7 Client Service Staff
- 13 Administrative Personnel
- 37 Technical Staff

### Certifications

- 2 PhD and FACMG
- 30 CG(ASCP) - Cytogenetics
- 9 MB(ASCP) - Molecular Genetics
- 5 MB,CG(ASCP) - Dual Certified

## CLINICAL TESTING | 8,474 TESTS PERFORMED



\* Reflects number of patients tested. Multiple FISH tests (probes) are typically associated with each patient.

## TESTING UPDATES

- Exome sequencing launched
- 4 updated oncology FISH panels
- Indication-specific gene panel expansions:
  - 6 postnatal
  - 3 hereditary cancer

## EDUCATION & RESEARCH



In 2018, the laboratory's education program provided genetics training for **24 trainees**. Residents, fellows, and medical students trained for a total of **2,052 contact hours**.

- 3 academic courses taught by laboratory faculty and staff
- 452 specimens analyzed for research projects
- 2 active grants

## SCHOLARLY ACTIVITIES



5 peer-reviewed publications



20 Scientific posters, presentations and lectures

## GENETICS OUTREACH & COMMUNITY ENGAGEMENT



- 38 professional activities and outreach: session moderators at meetings and conferences; booth and table exhibits; board involvement for field-specific committees; external CAP inspections; job shadows/laboratory tours/internships; distribution of client survey and newsletters
- 16 community contributions: presence and financial support