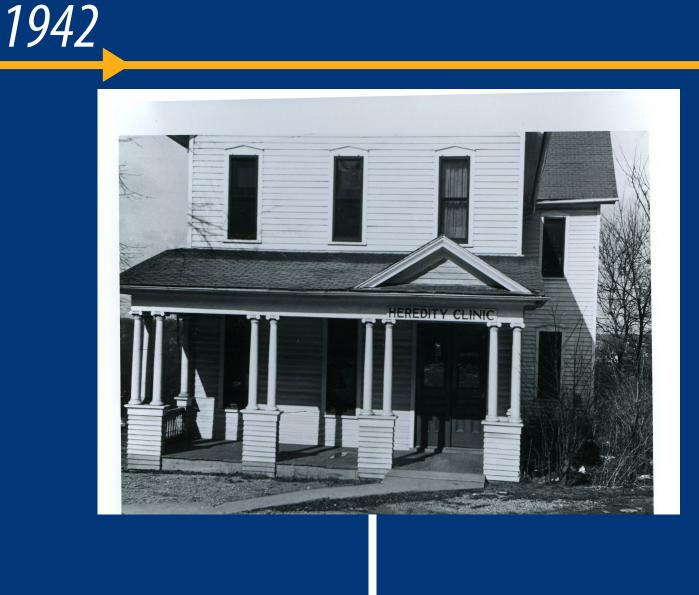




Department of Human Genetics

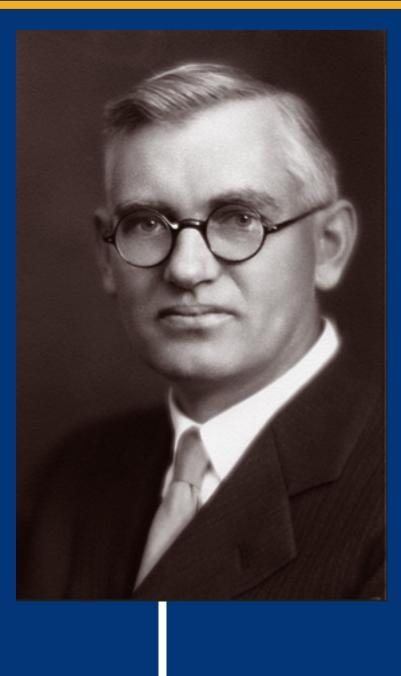
Lee Raymond Dice founded the U-M **Medical Center's Heredity Clinic**



"Research and counseling in the field of medical genetics are conducted by the Heredity Clinic, which acts as an outpatient clinic of the University Hospital. Any person who has a problem in family heredity may come directly to the Clinic for advice."

Lee Raymond Dice

1887-1977



- Founded the UM Medical Center's Heredity Clinic.
- Discovery of polygenic inheritance in Peromyscus.
- Well known for this derivation of the Dice coefficient, a similarity used to measure the degree of association between biotic samples.



The University of Michigan's Department of Human Genetics and its Impact on Medical Education

The University of Michigan Department of Human Genetics is established.

1956

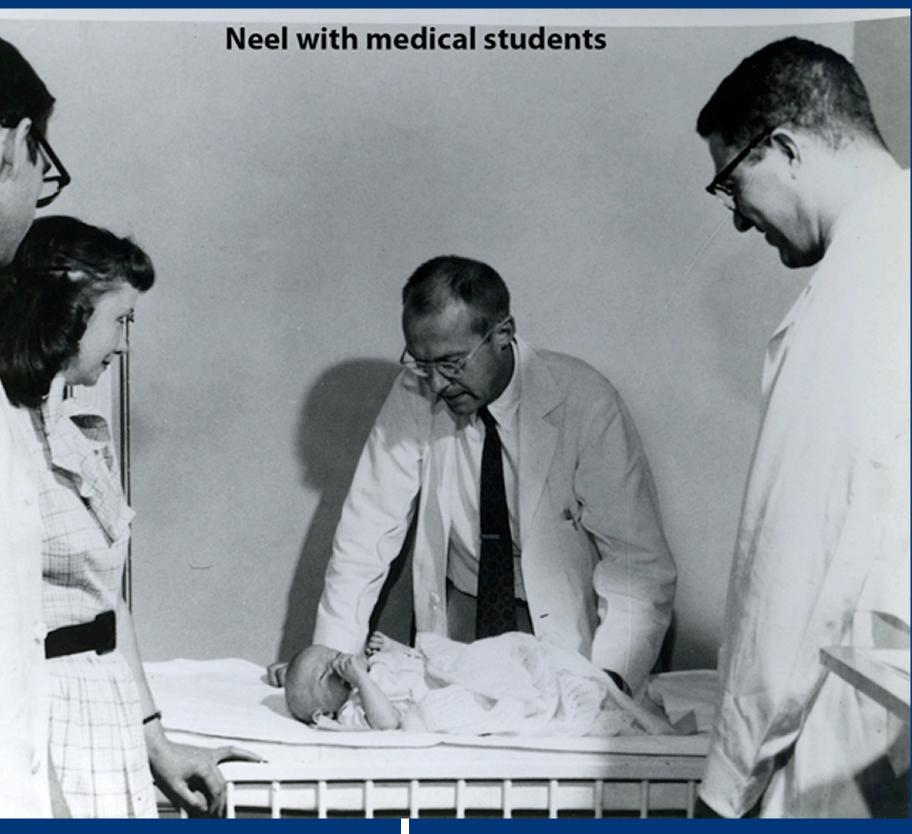




Dr. James V. Neel established the University of Michigan Department of Genetics , the first department of human genetics at a medical school in the United States. Pictured above is Dr. Neel with sophomore medical students employed in the summer of 1960 to carry out field work on the Veteran Twin Study.

James Van Gundia Neel

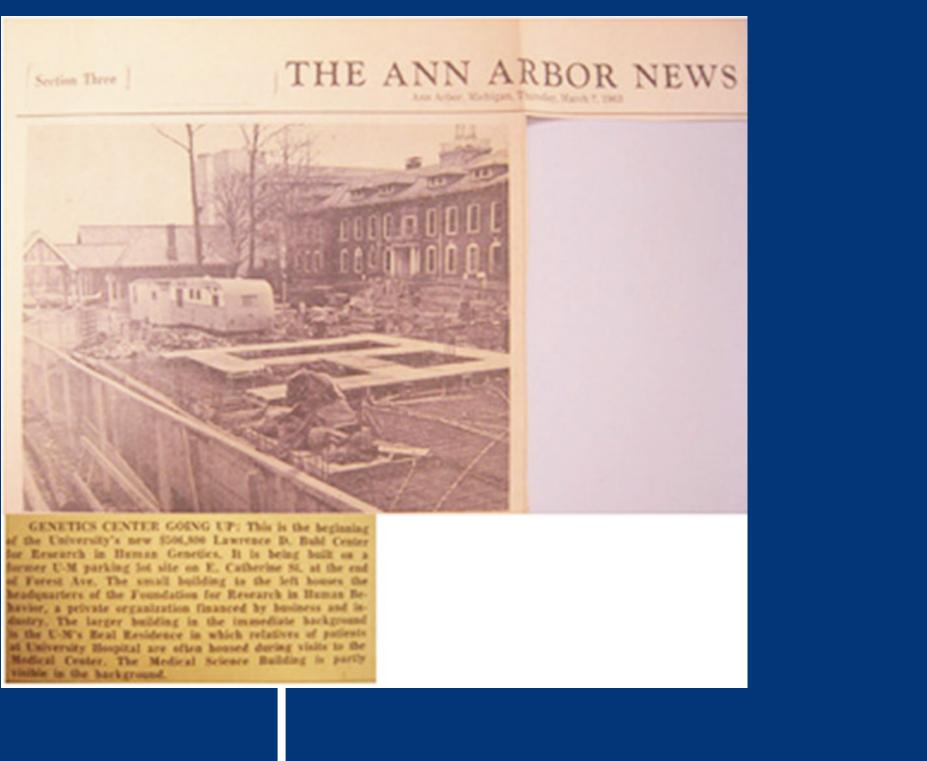
1915-2000



• Known as the "Father of Modern Genetics". Established the first department of human genetics at a medical school in the United States at the University of Michigan. • Deduced the mode of inheritance of sickle cell anemia. • Determined the mutagenic potential of radiation exposure following the atomic bombing of Japan. Moved population genetics research forward by collecting samples from isolated tribes in South America.

Merle Rosenzweig, AMLS, Irina Zeylikovich, BA, Erin Kerby, MSI, Anna Ercoli Schnitzer, AMLS

Master's Degree Program in Genetic Counseling **Construction on the Buhl Research** at the University of Michigan Established **Center for Human Genetics Begins** 1979



The Buhl Building was made possible by a \$250, 000 grant from the Lawrence DeLong and Cora Peck Buhl Fund with matching federal funds.

Harold F. Falls

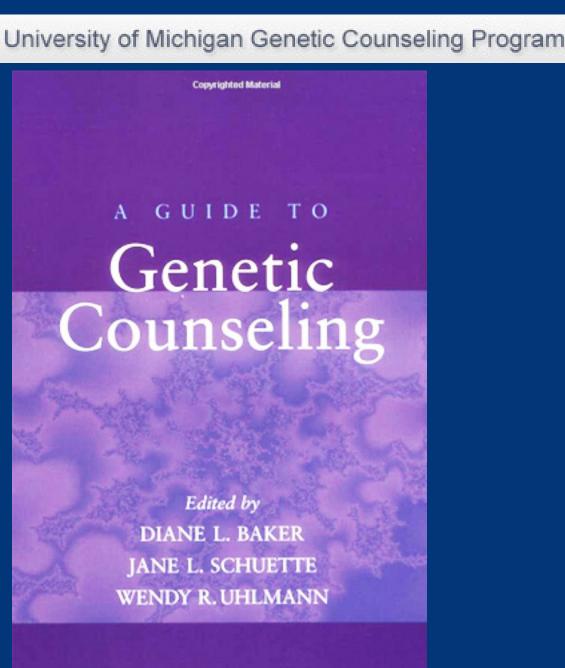
1909-2006



- Medical Director of the Heredity Clinic.
- Indentified and clarified X-linked inheritance patterns.
- First to describe what became known as the Lyon hypothesis.
- Autosomal dominant cleft lip and palate.
- Short statute and mental retardation in 2 siblings.







Diane Baker founded the Master's Degree Program in Genetic Counseling at the University of Michigan. The Program is one of the most well established programs in the country and is fully accredited by The American Board of Genetic Counseling (ABGC).

Francis Collins



• Joined University of Michigan in 1984.

• Used his chromosome jumping technique to identify the genes for cystic fibrosis in 1989.

• In 1993 succeed James Watson as Director of the National Center for Human Genome Research which became the National Human Genome Research Institute (NHGRI) in 1997.

• On July 8, 2009 President Obama nominated him to the position of Director of the National Institues of Health and he was sworn in on August 7, 2009