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STEPS IN THE ISOLATION AND STUDY OF DNA.

- 1869 MIESCHER DEMONSTRATED PRESENCE OF DNA
IN PUS CELLS.
- 1884 KASSEL DEMONSTRATED NUCLEI CONTAINED
DNA + BASIC PROTEINS, HISTONES etc.
- 1897 MIESCHER ISOLATED DNA FOR FIRST TIME
FROM SPERM CELLS AND DEMONSTRATED
THAT IT WAS A MAJOR COMPONENT OF
SPERM.
- 1924 HAMMERSTEN OBTAINED DNA BY MILD
METHODS AND DEMONSTRATED THAT IT WAS A
MACROMOLECULE.
- 1930- LEVENE ESTABLISHED COMPOSITION OF
38 COMPONENT NUCLEOTIDES AND PUT
FORWARD TETRANUCLEOTIDE HYPOTHESIS.
- 1935- GULLAND ESTABLISHED STRUCTURE OF
46 COMPONENTS AND NATURE OF INTER-
NUCLEOTIDE LINKAGE.
DEMONSTRATED EXISTENCE OF H-BONDING
AS FEATURE OF DNA MOLECULE.
- 1942 TODD ESTABLISHED DETAILED STRUCTURE
onwards AND CONFIGURATION OF NUCLEOTIDE BY
SYNTHESIS.
- 1948- CHARGAFF DEMONSTRATED THAT PRO-
50 PORTIONS OF PURINES AND PYRIMIDINES
SHOWED REGULARITIES i.e. PURINES
= PYRIMIDINES (A = T; G = C).