

## **VALUING**

As genetics and genomics research has been a scientific trend worldwide, the Philippines also keeps abreast with these advances in technology. The use of products of this emerging branch of science is being extensively explored to develop better diagnosis and treatment of patients, family linkage studies,

pharmacogenetics, pharmacogenomics, population-based genetics and gene cloning. Furthermore, advances in DNA sequencing technologies allow determination of the sequence and annotation of genes in less time and extent of the application of biotechnology guidelines that regulate their use and handling of samples are also proposed and strict protocols for the latest edition of the Philippine National Code of Health and Healthrelated Research with respect to it recognizes the importance of genetic development and growth of individuals and their use or lead to increased susceptibility to diseases mentioned in the document states that genetic research is essentially to the benefit of the In contrast, a non-therapeutic genetic diagnosis or, through data gathering, contribute to new knowledge. Ultimately, non-therapeutic genetic must still have the objective of realizing the benefits for participants." Moreover, individuals in this kind of research must be "anonymized", such that all personal information that may be used for them to be identified must be unlinked to avoid being stigmatized and discriminated. Thus privacy, confidentiality and security of both samples, and all

sorts of information that could be obtained from human samples must be strictly observed. As the [REDACTED] Human biological samples for genetic research are those that can serve as DNA, RNA, and protein sources, such as biopsies, aspirates, scrapings, and body fluids, such as saliva, ocular fluids, and excretions". Lastly, [REDACTED] be included and involved in any genetics research, he/she must first sign an informed consent to express his/her willingness to join such activity without undue influence or being coerced.