



METADATA

Title: Laboratory Exercises in Human Genetics

Other Titles: For the PC and in the Lab

Language: Greek

ISBN: 978-960-603-310-0

Subject: MEDICINE AND HEALTH SCIENCES, LIFE SCIENCES, BIOLOGICAL SCIENCES

Keywords: Human Genetics

Bibliographic Reference: Papanikolaou, G., Palaiologou, D., Katsareli, E., Katsila, T., Tsarouha, H., Tzetis, M., Lilakos, K., & Doukissas, L. (2015). Laboratory Exercises in Human Genetics [Laboratory Guide]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-905>

Abstract

The "Human Genetics Laboratory Exercises" guide is divided into thirteen thematic sections, some of which correspond to more than one practical laboratory exercise. The theoretical part of each chapter provides an overview of the knowledge required to complete the practical part. The exercises follow a coherent scenario

that revolves around the ability to perceive the bitter taste of PTC. Students isolate DNA and genotype the rs1726866 polymorphism of the TAS2R38 gene. With the help of a computer, they learn to search for information in databases, use bioinformatics tools to design the experimental procedure, and analyze the results.

