



PERSONAL INFORMATIONS

Name **HARPREET KAUR (NAME) LAMSIRA (SURNAME)**

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Nazionalità Italian

Date of birth 25/08/1991

STUDIES

BIOLOGICAL SCIENCES
(107/110) UNIVERSITÀ DI
ROMA TOR VERGATA ROMA
2014-2015

EXAMS : GENETICS, PHYSICS AND STATISTICS ,MATS, CHEMISTRY, ORGANIC CHEMISTRY,
PHYSIOLOGY, VEGETAL PHYSIOLOGY BIOCHEMISTRY, CLINICAL BIOCHEMISTRY AND
IMMUNOLOGY COMPARED ANATOMY ,ANTHROPOLOGY AND BIOETHICS, MOLECULAR
BIOLOGY,
DEVELOPMENTAL BIOLOGY ,BIOINFORMATICS AND MEDICAL GENETICS,
BOTANY, CYTOLOGY AND HISTOLOGY, ECOLOGY ZOOLOGY.
INTERNSHIP: LABORATORY OF CLINICAL BIOCHEMISTRY
OF PROFESSOR LO BELLO OF ROMA TOR VERGATA
WITH FOCUS ON STUDY OF GST TRANSFERASE.
MAIN USED TECHNIQUE WAS CHROMATOGRAPHY.

MEDICAL BIOTHNOLOGIES
(110 WITH HONORS)
UNIVERSITY OF ROME
TOR VERGATA
2017

EXAMS :ANATOMY AND HISTOLOGY,
PATHOLOGICAL ANATOMY, CELLULAR
BIOCHEMISTRY, BIOTECHNOLOGICAL
APPLICATIONS IN MEDICINE, SYSTEMATIC BIOLOGY
MOLECULAR BIOLOGY AND BIOINFORMATICS METHODS
BIOSTATISTICS LAW AND HYGIENE, CELLULAR AND MOLECULAR
BIOTECHNOLOGIES, PHARMACOLOGY AND BIOTECHNOLOGIES
MICROBIOLOGY AND MOLECULAR VIROLOGY, GENERAL PATHOLOGY
AND MEDICAL GENETICS
INTERNSHIP : LABORATORY OF PATHOLOGICAL ANATOMY
OF PROFESSOR ELENA BONANNO, MAIN USE OF HISTOLOGICAL
TECHNIQUES

THESIS: "BREAST OSTEOBLAST LIKE CELLS" NEW CELLULAR TYPE

PHD IN MEDICAL AND SURGERY
BIOTECHNOLOGIES AND
TRANSLATIONAL MEDICINE
UNIVERSITY OF ROME
TOR VERGATA R
JENUARY 2022

AND BONE METASTASIS MARKER

THESIS: STUDY OF THE PROTECTIVE ROLE OF LH ON THE OVARIAN
RESERVE IN BOTH HUMAN AND MOUSE MODELS IN VITRO

MAIN TECHNIQUES USED: WESTERN BLOT,
IMMUNOFLUORESCENCE,
IMMUNOHISTOCHEMISTRY
DNA AND RNA ISOLATION
HEMATOXYLIN AND EOSIN STAINING
TUNEL ASSAY
CELL CULTURES
WORKING WITH C57 BALB AND CD1 MICE AND MAINTAINING THE
COLONY, PROFICIENT USE OF THE MICROTOME TO PRODUCE
SECTION
ON SLIDES, CRYOSTAT USED TO PRODUCE SECTION ON SLIDES,
PCR AND RT-PCR
USE OF FLUORESCENCE OPTICAL, CONFOCAL AND INVERTED
MICROSCOPES ABILITY TO EVALUATE TOXIC OR BENEFICIAL
EFFECTS OF
CHEMOTHEPIC AGENTS OR FERTO-PROTECTIVE AGENTS ON THE
OVARIAN RESERVE

PERSONAL SKILLS

LANGUAGES

ITALIAN, ENGLISH, HINDI, PUNJABI

- ITALIAN MOTHER TONGUE , INGLESE C2, HINDI E PUNJABI B1

COLLABORATION SKILLS

GOOD CAPACITY TO INTERACT WITH PEOPLE AND WORK TOGETHER TO ACHIEVE A COMMON GOAL. GOOD CAPACITY OF MANAGING COMMON RESOURCES.

ORGANIZATION SKILLS

VERY GOOD ORGANIZATIONAL SKILL ACQUIRED DURING PHD AND PRIVATE LESSONS, GOOD CAPACITY IN RESPECTING DEADLINES AND. EXAM PREPARATION.

TECHNICAL SKILLS .

WESTERN BLOT, IMMUNOFLUORESCENCE, IMMUNOHISTOCHEMISTRY, HEMATOXYLIN AND EOSIN, DAN AND RNA ISOLATION, PCR, RT-PCR, CELL CULTURE, USE OF INVERTED, FLUORESCENCE CONFOCAL MICROSCOPE. CAPACITY OF MANAGING MOUSE COLONIES, CULTURE IN VITRO, ORGAN HARVESTING. CAPACITY OF EVALUATING EFFECTS OF CHEMOTHERAPICS ON IN VITRO CULTURED HUMAN AND MOUSE OVARIES.

PROFICIENT USE OF COMPUTER PROGRAMS MICROSOFT WORD, EXCEL, POWER POINT. AND FOR DATA ANALYSIS PHOTOSHOP ,IMAGEJ, GRAPHPAD, ILLUSTRATOR.

PUBLICATIONS

BONFIGLIO R, MILANO F, CRANGA A, DE CARO MT, KAUR LAMSIRA H, TRIVIGNO D, URSO S, SCIMECA M, BONANNO E. NEGATIVE PROGNOSTIC VALUE OF INTRA-DUCTAL FAT INFILTRATE IN BREAST CANCER. *PATHOL RES PRACT*. 2019 Nov;215(11):152634. DOI: 10.1016/j.prp.2019.152634. EPUB 2019 SEP 13. PMID: 31585815.

SCIMECA M, BISCHETTI S, LAMSIRA HK, BONFIGLIO R, BONANNO E. ENERGY DISPERSIVE X-RAY (EDX) MICROANALYSIS: A POWERFUL TOOL IN BIOMEDICAL RESEARCH AND DIAGNOSIS. *EUR J HISTOCHEM*. 2018 MAR 15;62(1):2841. DOI: 10.4081/ejh.2018.2841. PMID: 29569878; PMCID: PMC5907194.

DEL CASTILLO LM, BUIGUES A, ROSSI V, SORIANO MJ, MARTINEZ J, DE FELICI M, LAMSIRA HK, DI RELLA F, KLINGER FG, PELLICER A, HERRAIZ S. THE CYTO-PROTECTIVE EFFECTS OF LH ON OVARIAN RESERVE AND FEMALE FERTILITY DURING EXPOSURE TO GONADOTOXIC ALKYLATING AGENTS IN AN ADULT MOUSE MODEL. *HUM REPROD*. 2021 AUG 18;36(9):2514-2528. DOI: 10.1093/humrep/deab165. PMID: 34333622; PMCID: PMC8373474.