

付属資料10. 解剖学科プロポーザル

TITLE:

PROJECT PROPOSAL TO CONSOLIDATE THE ANATOMY AND HISTOLOGY DEPARTMENT IN MUHIMBILI UNIVERSITY COLLEGE OF HEALTH SCIENCES WITH ASSISTANCE FROM JAPAN INTERNATIONAL COOPERATION AGENCY. (JICA)

BACKGROUND:

THE DEPARTMENT OF ANATOMY AND HISTOLOGY STARTED IN 1963 WHEN THE MEDICAL SCHOOL WAS FIRST OPENED. PRESENTLY THE DEPARTMENT IS HOUSED IN ROCK FELLOR BUILDING GROUND FLOOR. THE DEPARTMENT HAS THE FOLLOWING COMPONENTS:-

- A) A DISSECTION ROOM TO ACCOMMODATE UP TO 80 STUDENTS AT ONE TIME.
- B) HISTOLOGY PREPARATION LAB.
- C) EMBALMING AND STORAGE ROOM.
- D) 4 OFFICES.
- E) AUDIOVISUAL LABORATORY.

STAFF:

- ONE FULL PROFESSOR -PROF.J.KARASHANI -ONE LEAVE WITHOUT PAY (IN ZAMBIA).
- TWO ASSOCIATE PROFESSORS : PROF. C.C.NIAGORI -HEAD OF DEPARTMENT.
- TWO SENIOR LECTURERS: -DR. E.P.MFUL (STUDY LEAVE).
-DR. D.NAGASSAPA(STUDY LEAVE).
- THREE ASSISTANT LECTURERS: -DR. V.F.MBONEKO
-DR. A.GESASE
-DR. F.F.MALINZI (STUDY LEAVE).
- ONE ASSISTANT RESEARCH FELLOW (MR.C.MSUYA).
- ONE TUTORIAL ASSISTANT : DR. MALIANGO.

TECHNICAL STAFF:

- ONE SENIOR TECHNICIAN
- ONE PROSECTOR GRADE III
- ONE SENIOR LAB ATTENDANT.
- 2 TYPISTS
- 2 CLEANERS.
- 4 STUDENTS IN PROSECTION -DIPLOMA COURSE.

DEPARTMENTAL ACTIVITIES:

THE DEPARTMENT'S ACTIVITIES INCLUDE:

1. TEACHING OF (HUMAN) ANATOMY - GROSS ANATOMY

- HISTOLOGY
- EMBRYOLOGY
- NEURO ANATOMY

TO :

A) UNDERGRADUATES

- i) MEDICAL STUDENTS
- ii) DENTAL STUDENTS
- iii) B-PHARM STUDENTS
- iiii) B-CO. (NURSING) STUDENTS.

B) POSTGRADUATE STUDENTS

- i) -M.MED SURGERY
- ii) -M.MED. OBS/GYNAECOLOGY
- iii) -M.MED. OPTHALMOLOGIC SURGERY.

2. RESEARCH:

VARIOUS RESEARCH ACTIVITIES ARE UNDERTAKEN BY THE STAFF OF THE DEPARTMENT OF ANATOMY AND HISTOLOGY AS FOLLOWS.

1. THE ULTRASTRUCTURAL CHANGES IN MICE - LIVER, OVARY, UTERUS BY THE USE OF EFFECT OF MOSAROBAINI (LOCAL HERB).
2. IMMUNOLOGICAL ASPECTS OF COMMON ALLERGIES IN DARES.SALAAM - (ASTHMA & SKIN ALLERGIES).
3. ULTRASTRUCTURE STUDIES IN THE SKIN (LANGERHANS CELLS AND MELANOCYTES) IN MICE.
4. IMMUNOCYTOCHEMICAL LOCALIZATION OF NEURORAN MIFFERS EG.GABA IN NEURON SYSTEM -LIGHT/E.M.LEVEL.

5. NEUROCHEMICAL CIRCUITS SUBSERVING CARDIOPULMONARY REFLEX INTEGRATION IN LOWER BRAIN STEM -LIGHT/E.M.LEVEL.
6. STUDY ON HUMAN FOSSIL BONES -USE

COLLABORATIONS

A. THE DEPARTMENT OF ANATOMY AND HISTOLOGY IN CONJUNCTION WITH THE DEPARTMENT OF PATHOLOGY (MUHINBILI UNIVERSITY COLLEGE OF HEALTH SCIENCES) BENEFITTED FROM JAPANESE AID IN THE GRANT OF OUR ELECTRON MICROSCOPY UNIT IN EARLY 1970'S.

THE USE OF HU-12 ENABLED THE STAFF OF THIS DEPARTMENT TO DO USEFUL RESEARCHES INCLUDING.

A) CARTILAGE AND BONE HISTOGENESIS IN ENBRYONIC CHICK SCULL.

B) ULTRASTRUCTURAL STUDY OF THE GLORVERULAR BASEMENT MENIBORANE IN REPHROTIC SYNDROME.

C) ULTRASTRUCTURAL STUDY OF FIBROGENESIS IN LIVER CIRRHOSIS AND COLLAGEN SYNTHESIS IN MICE.

D) AND MANY OTHER STUDIES.

THE HU-12 EM IS OBSOLETE. THE DEPARTMENT NOW RECOMMENDS THE FOLLOWING;

1. THERE IS NEED FOR THE HU-12 EM TO BE REPLACED BY ANOTHER MORE MODERN THANSMISSION EM.

2. THERE IS NEED TO REPAIR/REPLACE SOME OF.

i) MINOR REPAIR OF THE TWO ULTRAMICROTOMES

ii) SUPPLY OF THE FOLLOWING EQUIPMENTS, MATERIALS AND REAGENTS:

A) MATERIAL AND EQUIPMENTS:

-GLASS KNIFE STRIPS

-DIAMOND KNIFE

-SCOTCH TAPE FOR KNIFE TROUGHS

-FUME CHAMBER

-CARBON RODS

-FUJI FILMS (FOR NBOPAN F) 135MM

-MICROFILM FOR ELECTRON MICROSCOPY.

- COPINAL OR EQUIVALENT DEVELOPER FOR MICROFILM
- KORETCOL AND PAPITAL (OR EQUIVALENT DEVELOPER FOR PAPER PRINTING).
- FUJI -FIX(OR EQUIVALENT) FOR BOTH FILMS AND PRINTING.
- AUTOMATIC PHOTOGRAPHIC PAPER PRINTER.
- AUTOMATIC PRINT DRIER.
- VARIOUS GRADES AND SIZES OF PHOTOGRAPHIC PAPER (PREFERABLY FUJI).
- LANTERN SLIDES.
- DRIWELL PHOTOWETTING AGENT.

B) REAGENTS

- GLACIAL ACETIC ACID.
- GLUTARALDEHYDE.
- EPON 812
- SODIUM CACODYLATE
- ARALDITE
- SODIUM METABISULPHITE.
- DDSA
- S-COLLFDIN
- MNA
- TNS -HCL
- MP30
- TNS -HCL BASE
- OSMIC TETNOXIDE
- PROPYLENE OXIDE
- URANYL ACETATE
- ISOPENTANE
- LEAD STAINS
- RUTHENIUM RED.

3) INTERCHANGE OF EXPERTS:

- A) JAPANESE EXPERTS FROM KYUSHU UNIVERSITY TO WORK IN THE DEPARTMENT OF ANATOMY AND HISTOLOGY SO AS TO RENDER TECHNICAL GUIDANCE.
- B) TO COLLABORATE WITH TANZANIA COUNTERPART IN BASIC MEDICAL RESEARCH.

C) TO TRAIN TANZANIAN COUNTERPART PERSONNEL AND
TRANSFER NECESSARY TECHNOLOGY IN THE FIELD OF
ANATOMY.

D) TANZANIAN SCIENTIST BE TRAINED TO NOT ONLY USE BUT TO
SERVE THE MACHINE.

B. THE DEPARTMENT HAD COLLABORATION WITH THE IRISH
GOVERNMENT THROUGH IEDCO -THIS CONTRACT ENDED 3 YEARS
AGO.

ITS GOALS WERE MAINLY.

-SUPPLY OR ESTABLISHMENT OF AN AUDIOVISUAL
LABORATORY.

-STAFF EXCHANGE PROGRAMME.

-TRAINING PROGRAMME.

C. STILL IN THE PIPELINE -BRITISH COUNCIL.

(DEPARTMENT OF CELL-BIOLOGY, UNIVERSITY OF LIVERPOOL).

D. LOCAL ARRANGEMENTS IN JAPAN

DR.F.MALINZI-PH.D.PROGRAMME-STARTED THIS APRIL 1992.

TOKYO MEDICAL & DENTAL UNIVERSITY.

E. DR.GESASE COLLABORATIVE STUDIES.

WITH -PROF.TOSHISADA NISHIDA

(PRIMATOLOGY-CHIMPANZEE-MALALE)

DEPARTMENT OF ZOOLOGY, KYOTO UNIVERSITY, JAPAN.

DR.R.ONO-ANATOMIST, DEPARTMENT OF ANATOMY, ASAHIKAWA
MEDICAL COLLEGE.

OTHER URGENT NEEDS OF THE DEPARTMENT

1) PHOTOCOPIER MACHINE

2) DUPLICATING MACHINE

3) ELECTRIC TYPE WRITERS (2)

4) WORD PROCESSOR (MICRO COMPUTER).

5) SLIDE PROJECTOR

6) OVER HEAD VIEWER

7) DEPARTMENTAL CAR.

PROF.C.MAGORI

HEAD, DEPARTMENT OF ANATOMY & HISTOLOGY

MUCHS.

23/10/92

MUHIMBILI MEDICAL CENTRE

P.O.BOX 65000

DAR ES SALAAM

付属資料11 スペア・パーツ要望リスト

(A)	①	Bulk 6v 15 watt	20
	②	Transforme 220 / 0-8v	20
	③	vollage aegulator	20
	④	Chake feetifier ckt	20

The akove keloug to microscope model CH. Ser No.448495

(B) Printed board no.A4-1777C-10 for microscope wocel CH. Ser No.382259

(C)	①	Bulbs 220v 30watt	10
	②	Printed board no. R-55-H	10
	③	On-off Switch	10

The above belong to microscope model Unilux 11

A and B-belong to

M/S Nishilawa L+d

Tokyo Branch-12-5

Koden Mach Nihon Banc

Tokyo Japan

A and B belong to Olympus

[1] DAKO 抗体 (モノクロ抗体)

(A) 上皮マーカー

①	抗ケラチン	M615	1ml
②	抗サイトケラチン	M717	1ml
③	抗上皮細胞膜	M613	1ml

(B)	抗ウイルス抗体		
	抗サイトメガウイルス	M757	1ml
(C)	抗リンパ球抗体		
	① 抗白血球共通抗原	M701	1ml
	② 抗マクロファージ	M718	1ml
	③ 抗 T cell (T ₄)	M716	1ml
	④ 抗 T cell (T ₈)	M707	1ml
(D)	抗非上皮系細胞抗体		
	① 抗デスミン	M760	1ml
	② 抗ビメンチン	M725	1ml
(E)	抗基底膜コラーゲンIV	M785	1ml
[2]	その他の抗体 (抗血清・ポリクロ)		
	抗Carcinoembryonic 抗原	A115	2ml
	抗カルシトニン	A576	1ml
	抗サイログロブリン	A251	2ml
	抗 α フェトプロテイン	A008	2ml
	抗S-100 蛋白	Z311	3ml
	抗神経特異エノラーゼ	A587	1ml
	抗 B-cell	M784	1ml
	抗ミオシン (ケミコン)	A B-998	500 μ l
	抗ラミニン (ケミコン)	A B-949	100 μ l
	抗HIV gp120 (ゼンザイム)		0.1mg

(3) 免疫染色用試薬

	code #	
① 正常ウサギ血清	X902	10ml
② 抗マウスグロブリン-HRP	P260	10ml
③ 正常ブタ血清	X901	10ml
④ 抗ラビットグロブリン-HRP	P217	10ml

DAB (10錠 ¥6,000) × 20

H₂O₂

JICA