



MEMORANDUM OF UNDERSTANDING

Between

HASANUDDIN UNIVERSITY, MAKASSAR, SOUTH SULAWESI, INDONESIA

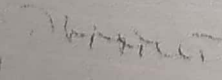
and

FONDAZIONE ITALIANA FEGATO, ITALY

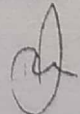
1. Hasanuddin University, Makassar, Indonesia and Fondazione Italiana Fegato, Italy enter an agreement to establish ties of friendship and academic cooperation with the objective to develop their common interests in health education and research.
2. Both sides recognize that
 - i. the renewal of Indonesian strengths in medical sciences and technology is a major priority of the Indonesian Government;
 - ii. molecular hepatology is a priority area of development in Indonesia;
 - iii. Fondazione Italiana Fegato has an international reputation in translational research in medical sciences.
3. The purpose of this agreement of cooperation is, initially, to develop joint research, education and development projects, to be then extended to other possible partners.
4. The administration of this program will be in accordance with arrangements set out in Attachment 1 to this agreement. The attachment is integral part of this Memorandum of Understanding.
5. Both the Hasanuddin University and the Fondazione Italiana Fegato agree that further cooperation will be discussed to enlarge the scientific cooperation in translational medicine.

Makassar, Indonesia
January 17, 2013

Signed on behalf of
Hasanuddin University,

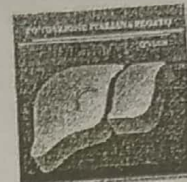

Idrus A Paturusi
Rector

Signed on behalf of
Fondazione Italiana Fegato,


Claudio Tiribelli
Director



The Joint of Hasanuddin University and Fondazione Italiano Fegato (FIF) cooperation agreement



Fondazione Italiana
Fegato ONLUS

Joint Scientific Cooperation Agreement on Molecular Hepatology

BACKGROUND

1. The scientific cooperation on molecular medicine, hepatology in particular, has been active since 2004 when the first visit of an Italian scientist at Eijkman Institute (EI) occurred. Since then regular exchange of personell occurred. One student obtained her PhD degree in molecular medicine at University of Trieste through FIF.
2. Indonesia has strengths in medical sciences and technology and this topic is a major priority of the Indonesian Government. Molecular medicine is a priority area of development in Indonesia.
3. Liver disease, particulaly hepatitis, cirrhosis and hepatocellular carcionoma represent a major health problem in Indonesia with a consistent social and economic cost. Increasing the research activity in thisfieldwould will result in a better health plan for the population.
4. The Medical faculty of the Hassanuddin University (HU) is interested in pursuing a program devoted to the expansion of the already existing experise in liver diseses by and acive training program..
5. So far there was no structured scheme of scientific interaction and educational activity exist in the field of basic and clinical hepatology.

AIM

The aim of the agreement is to further foster and strtucure the scientific and educational acivity in basic and clinical hepatology.

OPERATIVE PROGRAM IN TRASLATIONAL HEPATOLOGY

The operational scheme will be divided in 3 major cathegoris: Research Fellowship, PhD Student Fellowship and Postdoc Fellowship

Research Fellowship

1. Creation of one/two fellowships in molecular hepatology at FIF each year (**Research Fellowship**). Applicants may be PhD students or GE/Liver interns of scientific/clinical Indonesian institutions. The fellowship will be announced every year on March 30, selection will be over by May 30 and the fellowship startson October 1 of the same year.
2. The fellowship should be of €18,000 per year including insurance, taxes and travel expenses. The fellowship will last for 12 months and may be renewed for an additional 12 months, assuming a positive evaluation of the Fellowship Scientific Committee (FSC) (see also point #3). At the end of her/his stay, the fellow must return to Indonesia for at least 6 months.



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3. The selection will be performed by a joint board (Fellowship Scientific Committee, FSC) consisting of representatives of HU and one of FIF. Additional members can be included if necessary. The selection procedure will be held in Makassar based on the CV of the candidates; interviews may be performed if necessary.
4. The fellow will submit a scientific report to the FSC after the first 6 months, and a final report at the end of her/his stay. Lack of the scientific report will result in the cessation of the fellowship.
5. The period spent at CSF must be considered for the educational career of the fellow (PhD or equivalent) should the institution the fellows works at agree. Data obtained during the fellowship may be used for the thesis of the student.
6. Each publication originating from the period spent at the FIF will include the name of the sending institution as permanent address of the fellow.
7. The program will last for 3 years and will be automatically renewed if the parties are satisfied of the results. Changes can be negotiated among the parts.
8. Applications will be received and handled by HU.

FINANCIAL SCHEME

The cost of the program will be as follows:

	<u>One Fellow</u>	<u>Two Fellows</u>
(i) <u>Fellowship (Salary per year)</u>	€ 18,000	36,000
(ii) <u>Travel and Handling</u>		
a) Travel costs, FSC meeting	€ 3,000	3000
(iii) <u>Total cost per year</u>	€ 26,000	39,000
(iv) <u>Grand Total for 3 years</u>	€78,000	117,000

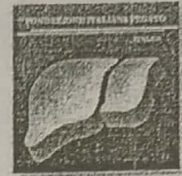
Financial support will be covered from Indonesian sources. Funds for research activity and tuition fee will be covered by FIF.

PhD Fellowship

1. Creation of one fellowships in molecular hepatology at FIF each year (**PhD Fellowship**) to follow the program in molecular medicine at the University of Trieste. The fellowship has be be granted for 3 years.
2. The fellowship will be performed at the labs of FIF The fellowship will be announced every year on March 30 to be included in the PhD positions requested by FIF. Starting date January 1 of the next year.
3. The selection will be performed by a joint board (Fellowship Scientific Committee, FSC) consisting of representatives of HU and one of FIF. Additional members can be included if necessary. The selection procedure will be held in Makassar based on the CV of the candidates; interviews may be performed if necessary.



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4. The fellowship should be of about €18,000 per year as requested by the University of Trieste and include insurance, taxes but not travel expenses..
5. The program will last for 3 years, and will be automatically renewed if the parties are satisfied of the results. Changes can be negotiated among the parts.
6. Applications will be received and handled by the University of Trieste.

FINANCIAL SCHEME

The cost of the program will be as follows:

	<u>One Fellow</u>
(i) Fellowship (Salary per year)	€ 18,000
(ii) Grand Total for 3 years= one PhD student	€54,000

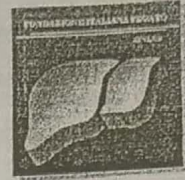
Financial support will be covered from Indonesian sources. Funds for research activity and tuition fee will be covered by FIF. Note that changes may occur should the salary be increased by the University.

PostDoc Fellowship

1. Creation of one fellowships in molecular hepatology at FIF each year as PostDoc (**PostDoc Fellowship**). Applicants must be PhD doctor. The fellowship will be announced every year on March 30, selection will be over by May 30 and the fellowship start on October 1 of the same year.
2. The fellowship should be of €25,000 per year including insurance, taxes and travel expenses. The fellowship will last for 24 months and may be renewed for an additional 12 months, assuming a positive evaluation of the Fellowship Scientific Committee (FSC) (see also point #3). At the end of her/his stay, the fellow must return to Indonesia for at least 6 months.
3. The selection will be performed by a joint board (Fellowship Scientific Committee, FSC) consisting of representatives of HU and FIF. Additional members can be included if necessary. The selection procedure will be held in Makassar based on the CV of the candidates; interviews may be performed if necessary.
4. The fellow will submit a scientific report to the FSC after the first 12 months, and a final report at the end of her/his stay. Lack of the scientific report will result in the cessation of the fellowship.
5. Each publication originating from the period spent at the FIF will include the name of the sending institution as permanent address of the fellow.
6. The program will last for 2 years and will be automatically renewed if the parties are satisfied of the results. Changes can be negotiated among the parts.
7. Applications will be received and handled by HU.



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FINANCIAL SCHEME

The cost of the program will be as follows:

- (i) Fellowship (Salary per year)
- (ii) Grand Total for 2 years

One Fellow

€ 25,000

€50,000

Financial support will be covered from Indonesian sources. Funds for research activity and tuition fee will be covered by FIF.

Operational Details

- a. The scheme serves to support the MoU the HU and FIF needs to sign.
- b. A draft of the MoU will be prepared by HU and discussed with FIF in the next few days after acceptance of the proposal by HU.
- c. The MoU needs to be signed in an official ceremony ideally before end of January 2013 to keep the timeframe indicated. Expenses for the ceremony will be covered by HU.
- d. The program is modular and the activation of each subproject will depend of financial support.

Makassar, 17th January 2012,

Fondazione Italiana Fegato
Claudio Tiribelli

Dean of Faculty of Medicine
Irawan Yusuf

Ⓡ Rector of Hasanuddin University
Idrus A. Paturusi