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| Course Number | 07011 |
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2007 「The International Priority Graduate Programs (PGP)」

~Advanced Graduate Courses for International Students~

【1. Profile of the University】

|                                       |   |   |                                      |
|---------------------------------------|---|---|--------------------------------------|
| ①University<br>Department             | Kumamoto University<br>Graduate School of Medical Sciences  |   |                                      |
| ②President                            | SAKIMOTO Tatsuro  |   |                                      |
| ③Address<br>(Headquarters)            | 2-39-1 Kurokami, Kumamoto 860-8555 JAPAN  |   |                                      |
| ④Contact                              | Division  | Graduate School of Medical Sciences         |                                      |
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|                                       | TEL/FAX Number  | Tel: +81-96-373-5298 / Fax: +81-96-373-5030 |                                      |
| ⑤Web-Address                          | <a href="http://www.medphas.kumamoto-u.ac.jp/en/medgrad/index.html">http://www.medphas.kumamoto-u.ac.jp/en/medgrad/index.html</a> |   |                                      |
| ⑥Enrollment<br>(only Graduate School) | 189 (include MEXT's Scholarship Students: 75 )  |   |                                      |

【2. Outline of the Course】

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|--|---|
| ①Course  | Global Joint Education Program for "AIDS" and "Developmental and Regenerative Medicine" |
| ②Degree  | Doctor of Philosophy (4 years)  |
| ③Form  | A program enforcement university is singular  |
| ④Graduate Course,<br>Department                                    | Graduate School of Medical Sciences   |
|  | (Address)2-2-1 Honjo, Kumamoto 860-0811 JAPAN   |
| ⑤Collaboration<br>(Universities, Graduate<br>courses, Departments) | N/A   |
| ⑥Quota   | 20 (include MEXT's Scholarship Students: 6 )<br>(include Japanese: 8 )                  |
| ⑦Faculties   | 297 (Fulltime: 297 Fulltime (other department): 0 Parttime: 0)                          |
| ⑧Representative<br>of the Course                                   | Job Title: Dean of Graduate School of Medical Sciences                                  |
|  | Name: Prof. YAMAMOTO Tetsurou   |

### 【3. Contents of the Course】

#### 1. The purpose of the special course

This special course accepts students who have strong will to face the world-wide serious issues, AIDS or a rapidly progressing research field, regenerative medicine. Those who join the special course will be trained in the global research center for "AIDS" and "Developmental and Regenerative Medicine" to be independent researchers who can conduct their own projects in the above fields.

#### 2. Contents and a characteristic of the special course

① "AIDS researcher upbringing" : There are countries where almost half of their people are infected with HIV in Africa. AIDS is a serious economical issue as well as the issue of health in these countries. AIDS also spreads in Asian countries, and governments of these countries are realizing the necessity of AIDS research. Based on the special program, "Training and Educational Program for eradication of AIDS " in the "Center for AIDS Research" in Kumamoto Univ., graduate students will be trained by taking special lectures and courses of practices in AIDS research in English. They will be instructed by excellent AIDS researchers invited from all over the world and will be raised to independent researchers in AIDS research.

② " Researcher in developmental and regenerative medicine upbringing" : Research in developmental and regenerative medicine is increasing its importance and drawing attention from wider fields in the new century. Research in developmental and regenerative medicine needs to integrate accumulated knowledge in various fields, such as embryology, immunology, rebuilding surgery. However, it also needs to be conducted under profound ethical thought. Based on a systematic education system in the 21th century COE program, "Cell Fate Regulation Research and Education Unit " in the "Institute of Molecular Embryology and Genetics" in Kumamoto Univ, graduate students in the special course will be instructed by excellent researchers of developmental and regenerative medicine invited from all over the world and will to be raised to the specialists of regenerative medicine who understand interdisciplinary many domains.

#### 3. Education / the guidance system

① "AIDS researcher upbringing" :

The graduate students in the special course take classes offered in "Training and Educational Program for eradication of AIDS". The curriculum is composed by "special lectures for AIDS research I II III", lectures for translational-research, AIDS seminar I II III IV V , practical research of AIDS, and so on. All the classes are conducted in English. All the participants have chances to be instructed by excellent AIDS researchers invited from all over the world and will be raised to the independent researchers. A graduate student will be guided by 3 instructors (1 research instructor and 2 advising instructors) which cover wide fields of AIDS research.

② "Developmental and regenerative medicine researcher upbringing" :

The graduate students in the special course take classes which include lectures for stem cell biology and other basis for regenerative medicine, those for control of immunological rejection after organ transplantation, and those for a lecture about life ethics. In addition, they will take seminar courses which are conducted by "Problem-Based-Learning" method and through a group-work of teachers and students. They can choose practical research course from departments indicated in homepage of the Kumamoto Univ. In order to encourage the students to learn from wider research fields, we accept to take units in the curriculum of this special course by attending seminars presented by researchers of developmental and regenerative medicine who are invited from all over the world, and by attending meeting of developmental and regenerative medicine held in domestic or overseas.

#### **4. Official language in the special course**

English is the official language in the special course. Since all classes in the curriculum are going to be provided in English, the graduate students in the special course will have access to the rich information accumulated in departments for AIDS research and developmental and regenerative medicine in Kumamoto Univ. In addition, the graduate students will have chances to discuss with the world-famous researchers invited for research collaboration or lectures to Kumamoto Univ.

#### **5. The support system of the special course**

##### **① Support by tutors**

Every foreign student will be supported by a Japanese student in the same department as a tutor. The students can consult with the tutor on the matter of daily life, and the study. An adviser and Committee for this special course will also support all of these matters.

##### **② Support for learning Japanese**

Foreign students can learn Japanese in the same campus. In addition, the International Student Office supports the students in this special course in applying for various scholarships or for visas.

#### **6. A recruitment method, a recruitment object country, a selection method**

We will recruit applicants for this special course from all over the world, directly, via sister universities under exchange agreement, via recommendation by chairs of the departments in the Graduate School of Medical Sciences. More information about a selection method and a required document will be advertised through the English homepages of Kumamoto Univ. and Ministry of Education, Science, Technology, Sports, and Culture.

#### **7. Future prospect and follow-up system after Degree acquisition**

We will give equal opportunity to work in any research centers or in private companies in Japan to both foreign and Japanese graduate students after finishing their curriculum in this special course and degree acquisition. When the foreign students request for extension of their stay in Japan, Dean of the Graduate School will help to extend their stay by giving certificate for the returning home of their students after the extension. These substantial supports to the foreign students will open chance to find better and higher position in Japan or even in their home country after degree acquisition.