COURSE DESCRIPTION

ACADEMIC CENTER **ROBERTO ALCÂNTARA GOMES BIOLOGY INSTITUTE**	DEPARTMENT **DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY**		
COURSE NAME **PROGRESS IN TISSUE REPAIR II**	( ) CORE COURSE (X) OPTIONAL COURSE	HOURS 15	CREDITS 1

PROGRAM / PROJECT NAME	DISTRIBUTION OF HOURS		
PHYSIOPATHOLOGY AND SURGICAL SCIENCES Key Focus Area: Operative Technique and Experimental Surgery	TYPE OF CLASS	HOURS	N. OF CREDITS
	THEORETICAL	15	1
	PRACTICAL		
	TOTAL	15	1

PREREQUISITES **PROGRESS IN TISSUE REPAIR II**	( ) Master's program course (x) Doctorate's program course

COURSE DESCRIPTION

Continuation and deepening of revision and updating of topics related to tissue repair, healing and extracellular matrix, based on recent publications in the literature, continuing the discussion in "Progress and Tissue Repair II".

BASIC BIBLIOGRAPHY

1. Achuth HN, Moochhala SM, Mahendran R, Tan WT. Nitrosoglutathione triggers collagen deposition in cutaneous wound repair. Wound Repair Regen 2005; 13:383-389.
2. Braddock M. Tissue repair and ulcer/wound healing - Institut Pasteur Euroconference: molecular mechanisms, therapeutic targets and future directions. IDrugs 2005; 8:381-383.
3. Hassanain HH, Irshaid F, Wisel S, Sheridan J, Michler RE, Goldschmidt-Clermont PJ. Smooth muscle cell expression of a constitutive active form of human Rac 1 accelerates cutaneous wound repair. Surgery 2005; 137:92-101.
4. Kikuchi S, Griffin CT, Wang SS, Bissell DM. Role of CD44 in epithelial wound repair: migration of rat hepatic stellate cells utilizes hyaluronic acid and CD44v6. J Biol Chem 2005; 280:15398-15404.
5. Martin P, Leibovich SJ. Inflammatory cells during wound repair: the good, the bad and the ugly. Trends Cell Biol 2005; 15:599-607.
6. Opalenik SR, Davidson JM. Fibroblast differentiation of bone marrow-derived cells during wound repair. Faseb J 2005; 19:1561-1563.
7. Padovan LE, Okamoto T, Rezende MC, Curvello VP, Nicolielo D, Matsumoto MA. Fibrin adhesive implant in wound healing repair of dental sockets with topical application of epsilon aminocaproic acid: histological analysis. J Biomed Mater Res B Appl Biomater 2005; 73:209-213.
8. Sakthianandeswaren A, Elso CM, Simpson K, Curtis JM, Kumar B, Speed TP, Handman E, Foote SJ. The wound repair response controls outcome to cutaneous leishmaniasis. Proc Natl Acad Sci U S A 2005; 102:15551-15556.
9. Theoret CL. The pathophysiology of wound repair. Vet Clin North Am Equine Pract 2005; 21:1-13.
10. van Beurden HE, Von den Hoff JW, Torensma R, Maltha JC, Kuijpers-Jagtman AM. Myofibroblasts in palatal wound healing: prospects for the reduction of wound contraction after cleft palate repair. J Dent Res 2005; 84:871-880.
11. Weber KT, Sun Y, Katwa LC. Local regulation of extracellular matrix structure. Herz 1995; 20:81-88.

PROGRAM / PROJECT COORDINATOR

DATE	SIGNATURE