



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/US98/11808 (22) International Filing Date: 9 June 1998 (09.06.98) (30) Priority Data: 871,755 9 June 1997 (09.06.97) US (71) Applicant (for all designated States except US): MEDICAL COLLEGE OF GEORGIA RESEARCH INSTITUTE, INC. [US/US]; 1120 15th Street, Augusta, GA 30912-4810 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): LIN, Shuo [-/US]; 1120 15th Street, Augusta, GA 30912-4810 (US). (74) Agents: PABST, Patrea, L. et al.; Arnall Golden & Gregory, LLP, 2800 One Atlantic Center, 1201 West Peachtree Street, Atlanta, GA 30309-3450 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 4 March 1999 (04.03.99)
(54) Title: TRANSGENIC FISH WITH TISSUE-SPECIFIC EXPRESSION (57) Abstract Disclosed are transgenic fish, and a method of making transgenic fish, which express transgenes in stable and predictable tissue- or developmentally-specific patterns. The transgenic fish contain transgene constructs with homologous expression sequences. Also disclosed are methods of using such transgenic fish. Such expression of transgenes allows the study of developmental processes, the relationship of cell lineages, the assessment of the effect of specific genes and compounds on the development or maintenance of specific tissues or cell lineages, and the maintenance of lines of fish bearing mutant genes.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/11808

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/86 A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A01K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 32087 A (DALHOUSIE UNIVERSITY) 17 October 1996 see abstract see page 4, line 20 - page 5, line 21 see page 6, line 4 - page 12, line 30 ---	1-3, 26-29, 35
X A	WO 96 03034 A (MASSACHUSETTS INST TECHNOLOGY) 8 February 1996 see abstract see page 3 - page 9 see examples 1-6 ----- -/-	1-9, 12, 26-28, 35 10, 11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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7 December 1998

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/11808

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 92 16618 A (HSC RES DEV. L.) 1 October 1992 see abstract see page 11, line 18 - page 14, line 11 see page 16, line 8 - page 38, line 25 ---	1-5,7,9, 12,19, 20,23, 26,28,35
X,P	MENG A. ET AL: "Promoter analysis in living zebrafish embryos identifies a cis-acting motif required for neuronal expression of GATA-2" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 94, 1997, pages 6267-6272, XP002084711 WASHINGTON US see the whole document ---	1-13, 15-40
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X	AMSTERDAM A. ET AL.: "Requirements for green fluorescent protein detection in transgenic zebrafish embryos" GENE, vol. 173, no. 1, 1996, pages 99-103, XP004042859 AMSTERDAM NL cited in the application	26,31
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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