

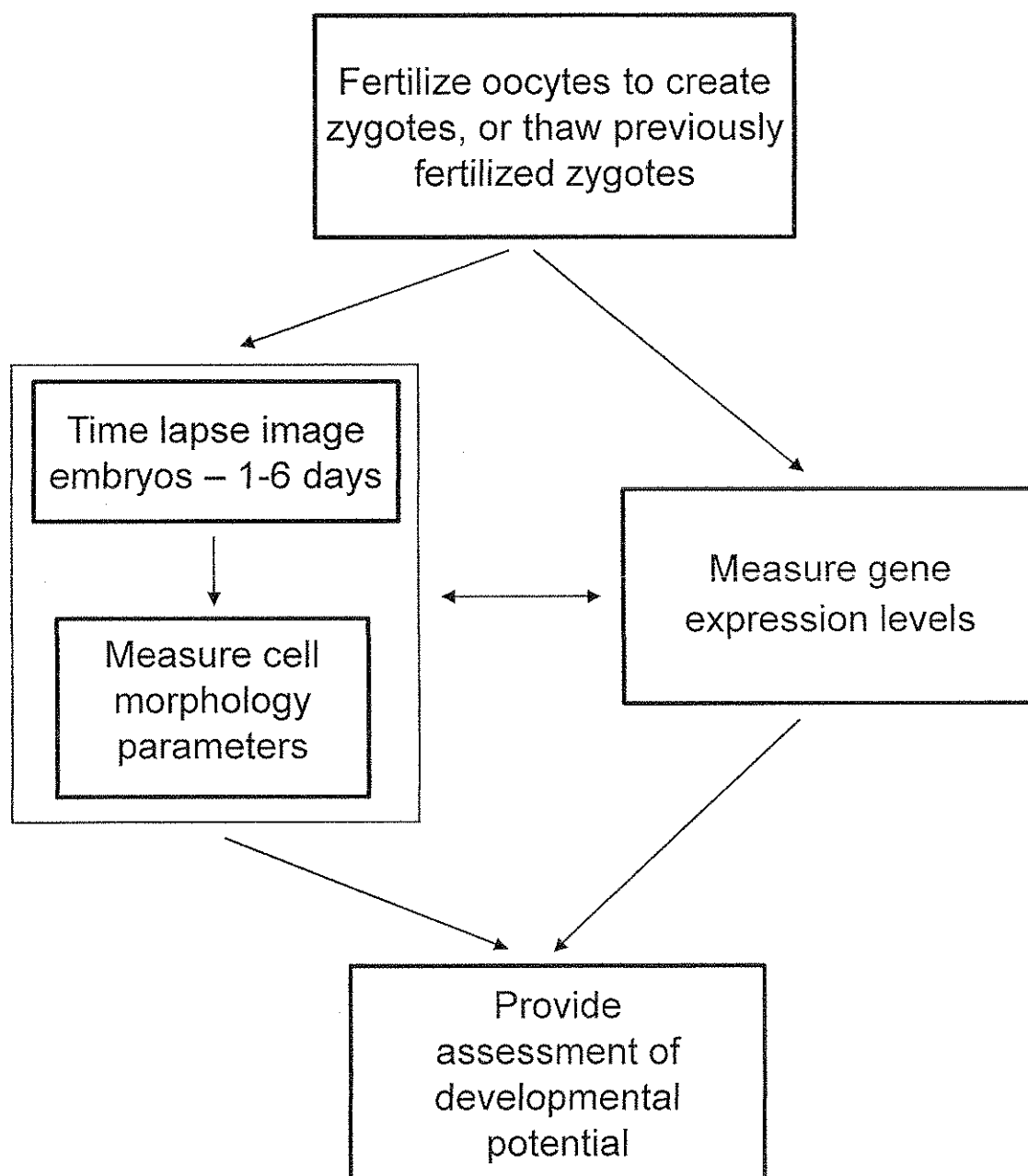


Fig. 1

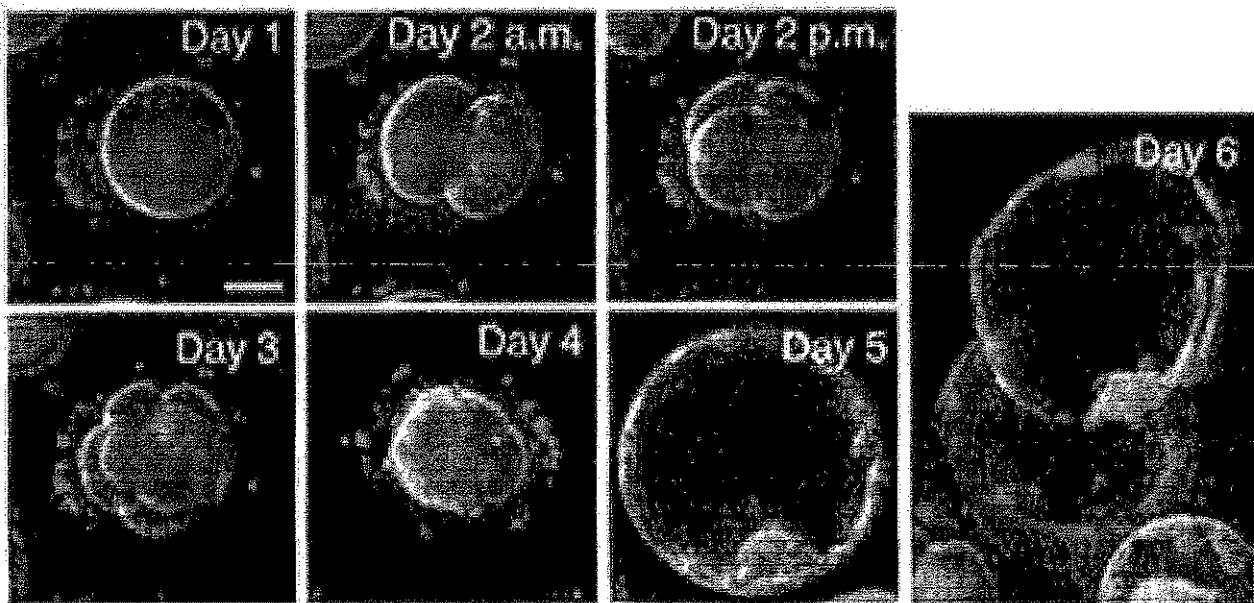


Fig. 2

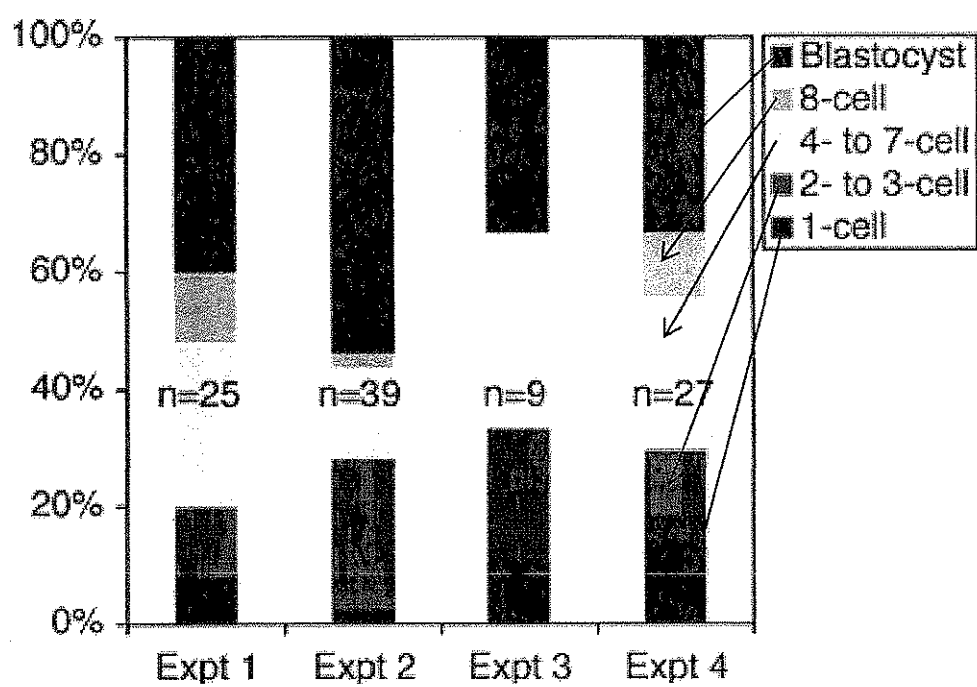


Fig. 3

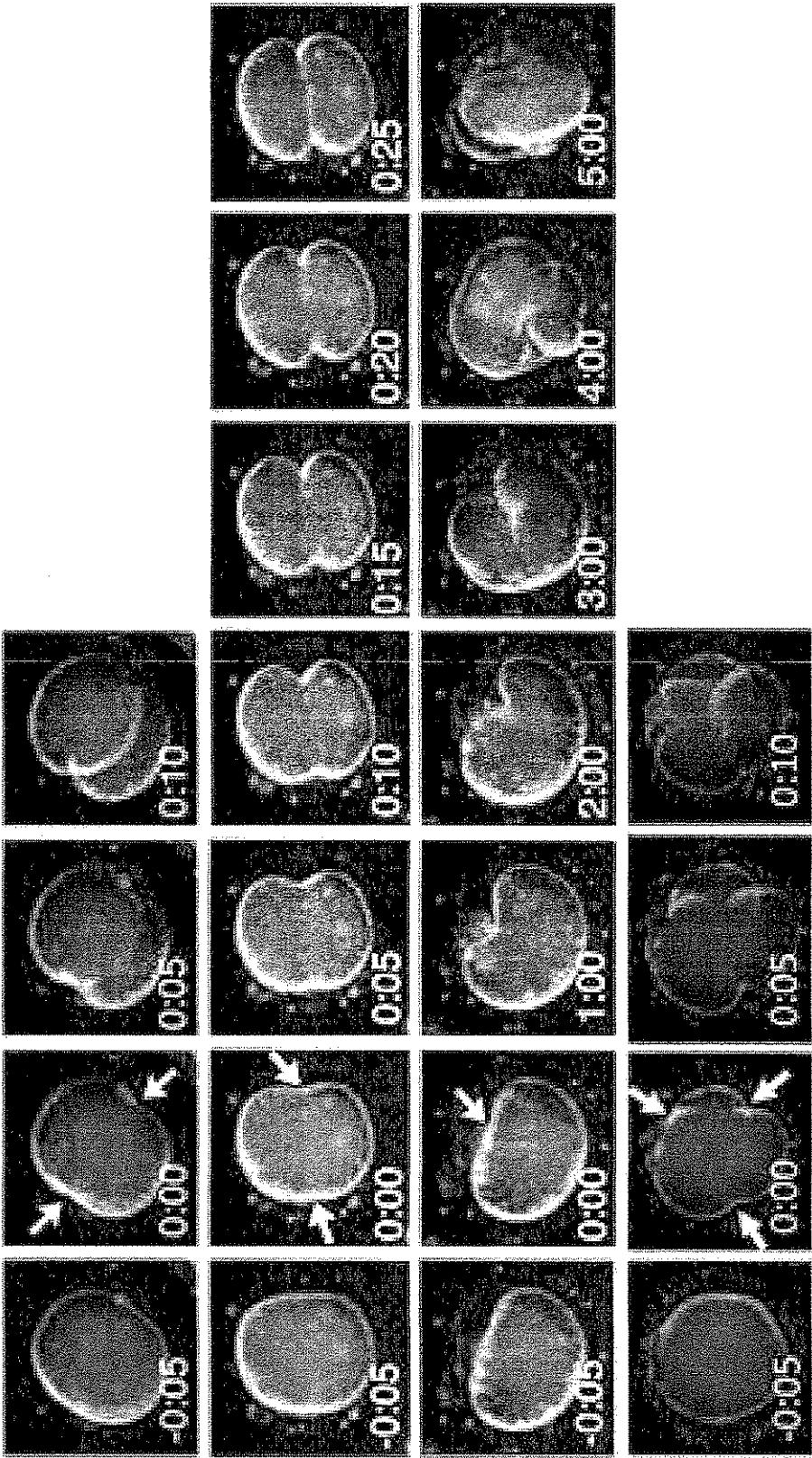


Figure 4

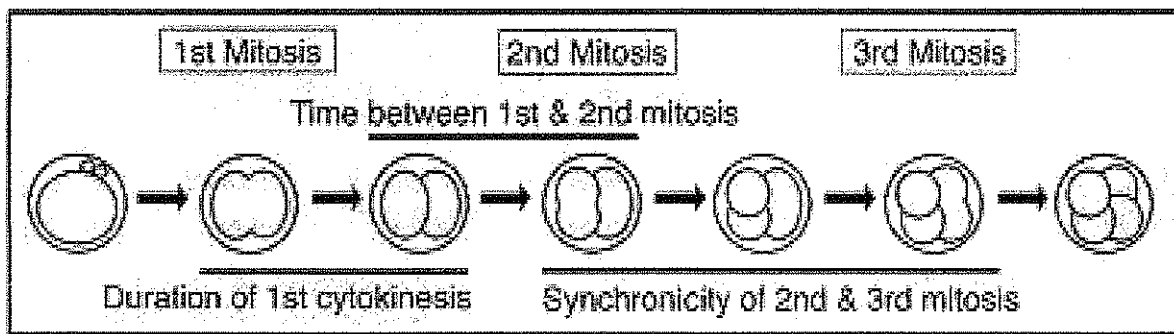


Fig. 5

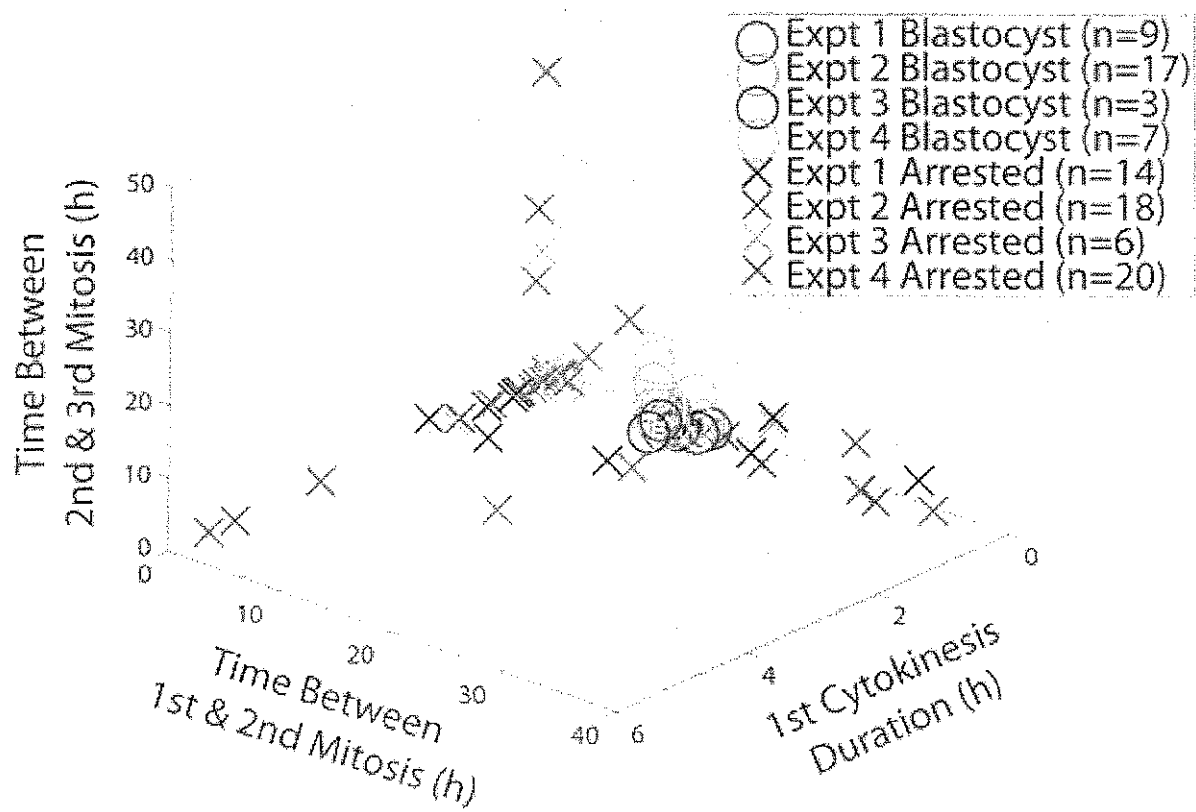


Fig. 6

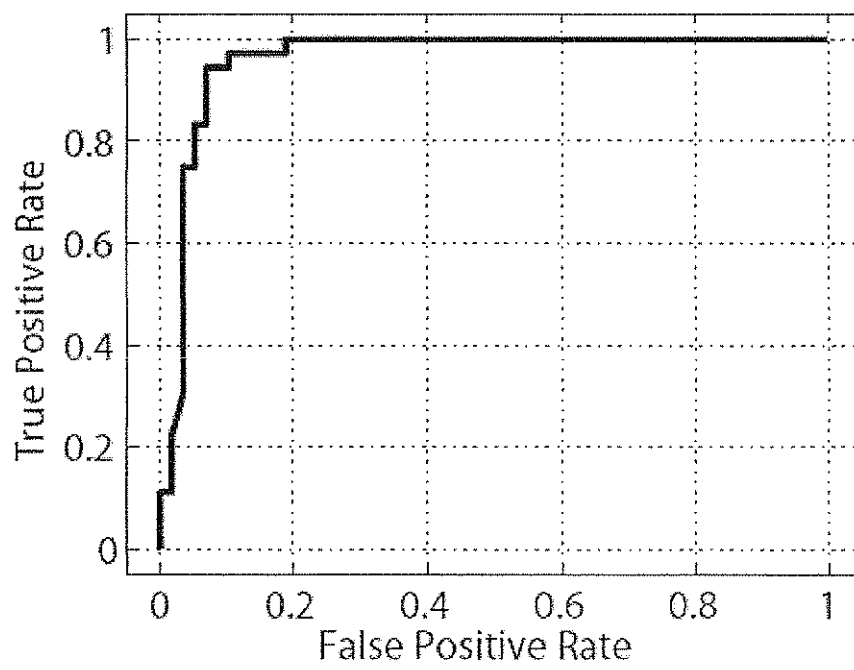


Fig. 7

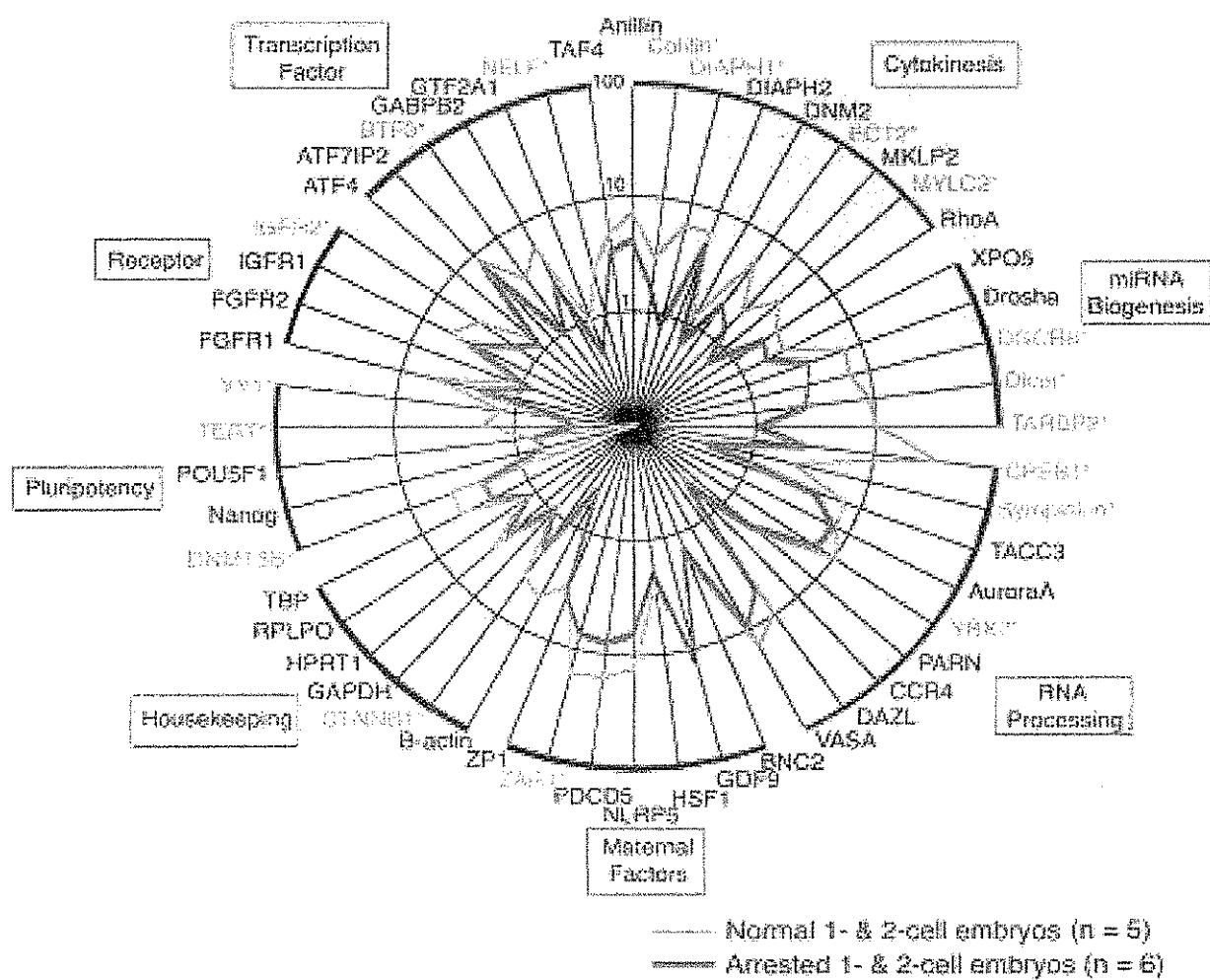


Fig. 8

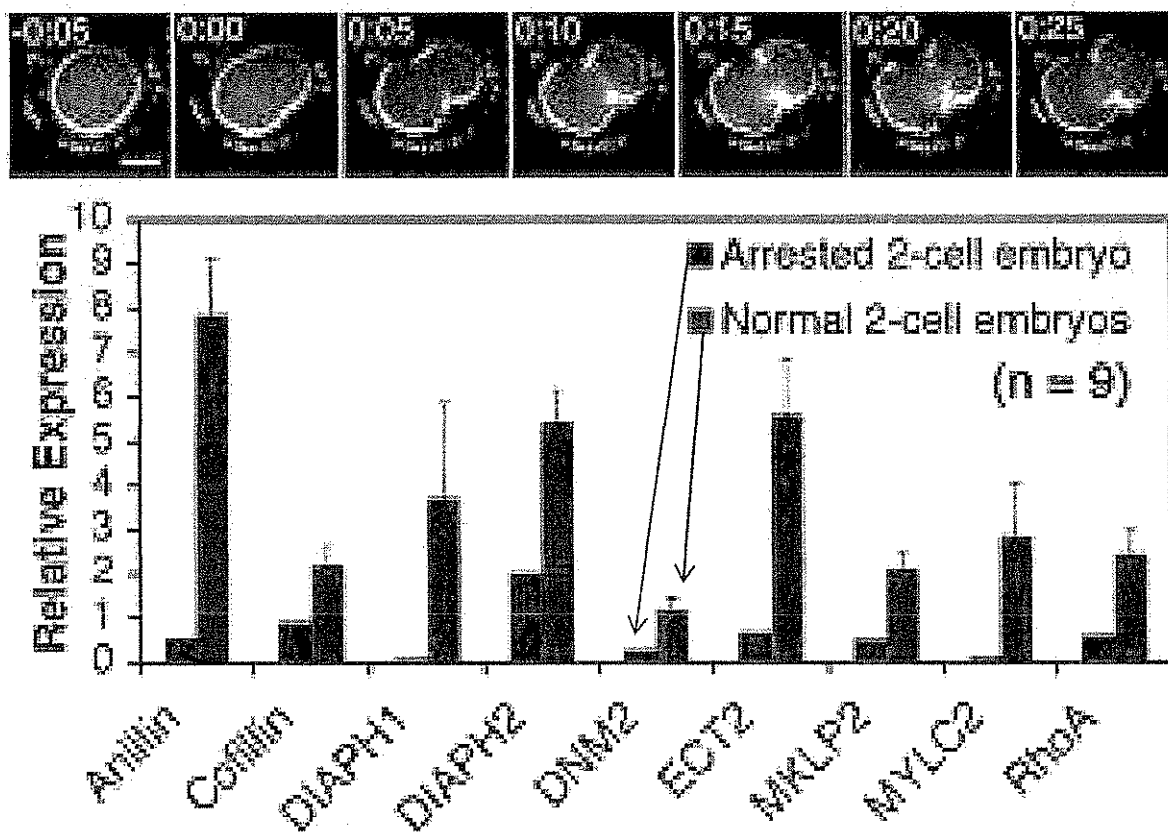


Fig. 9

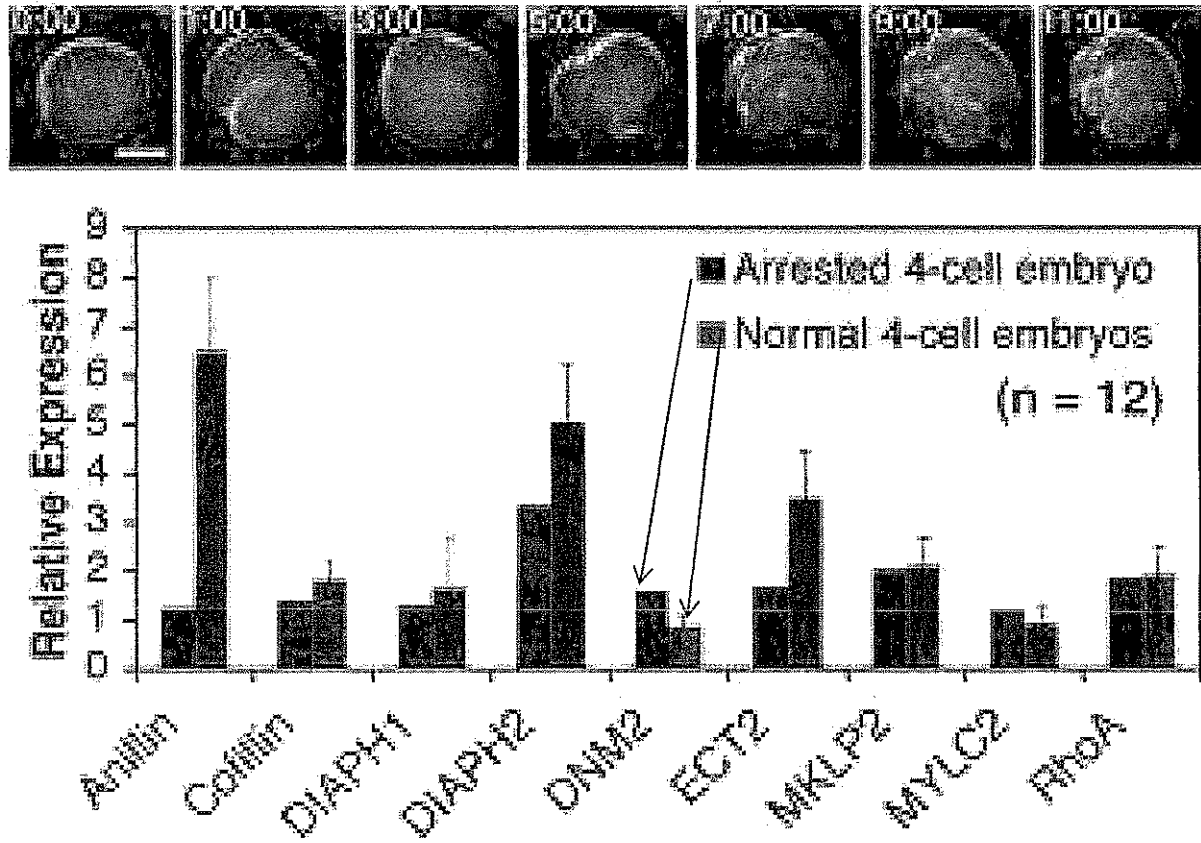


Fig. 10

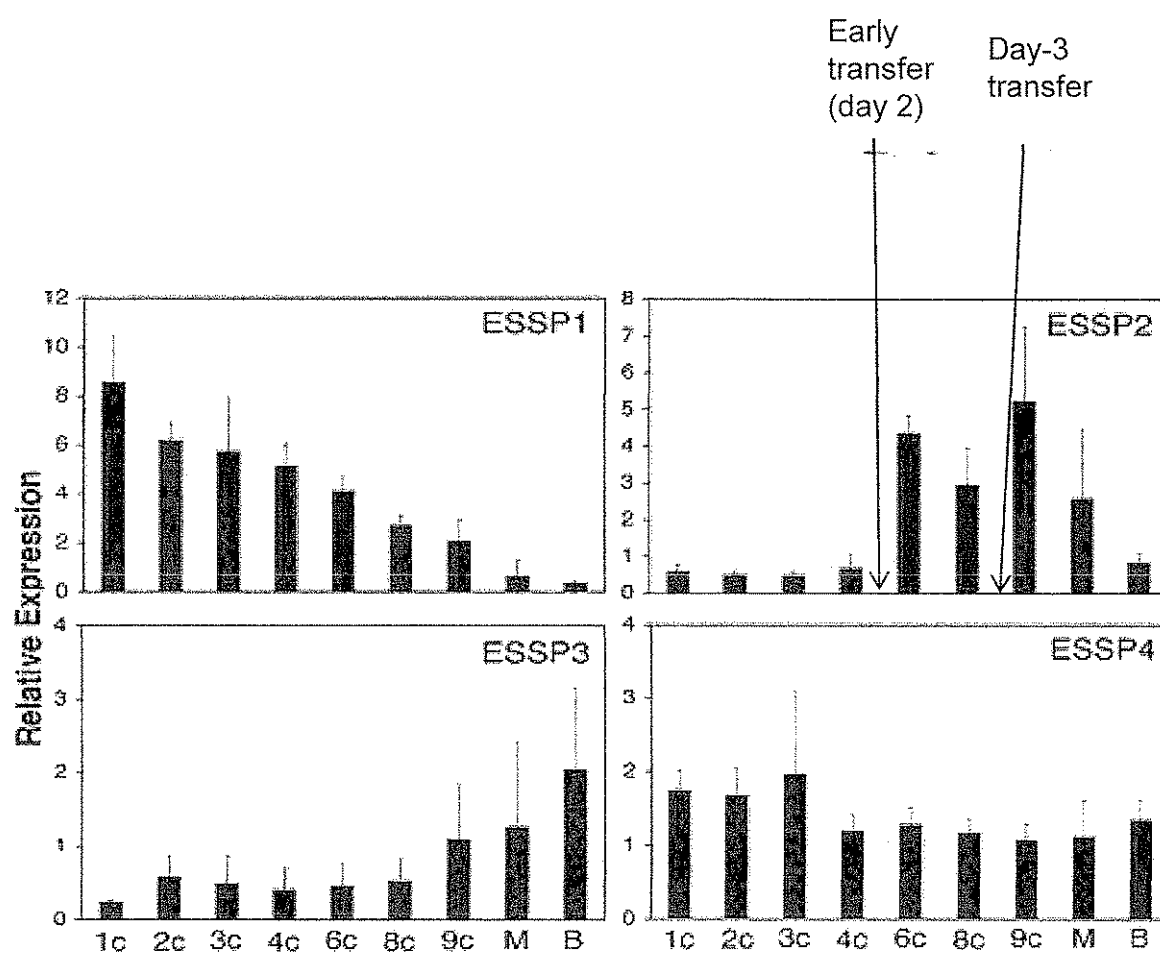


Fig. 11

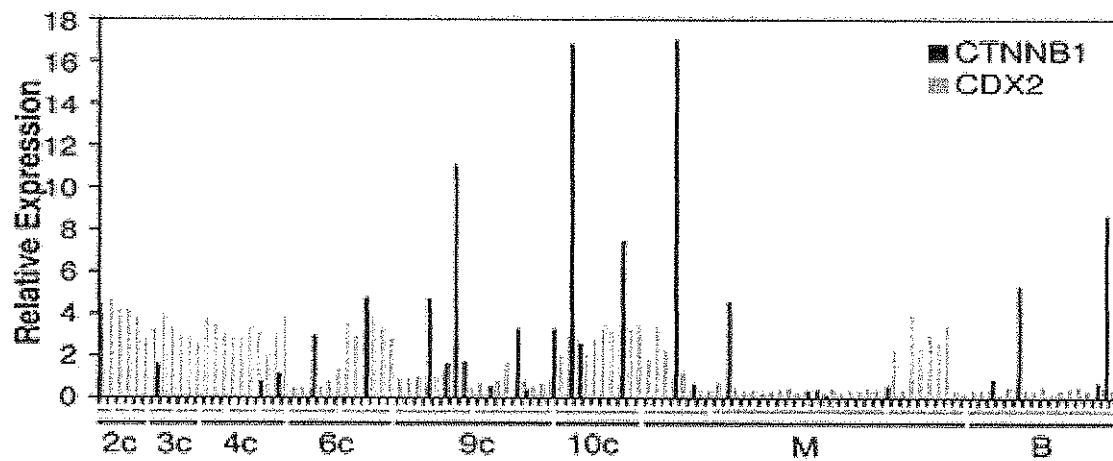
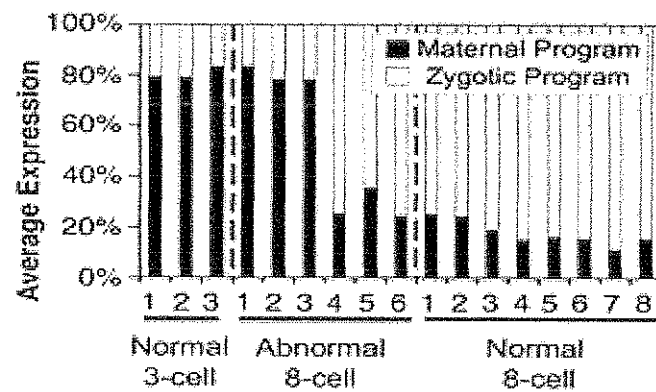
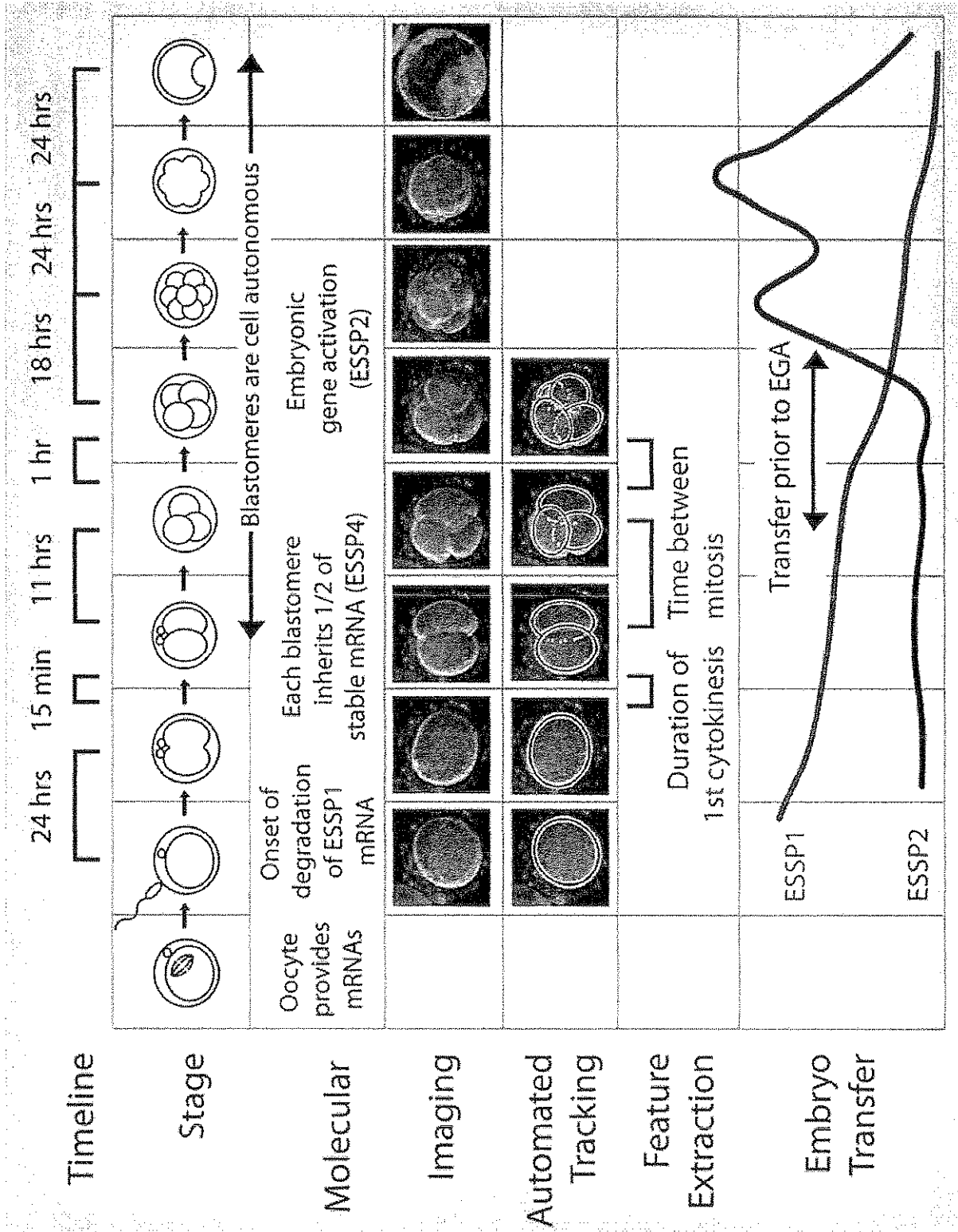
a.**b.****Fig. 12**

Figure 13



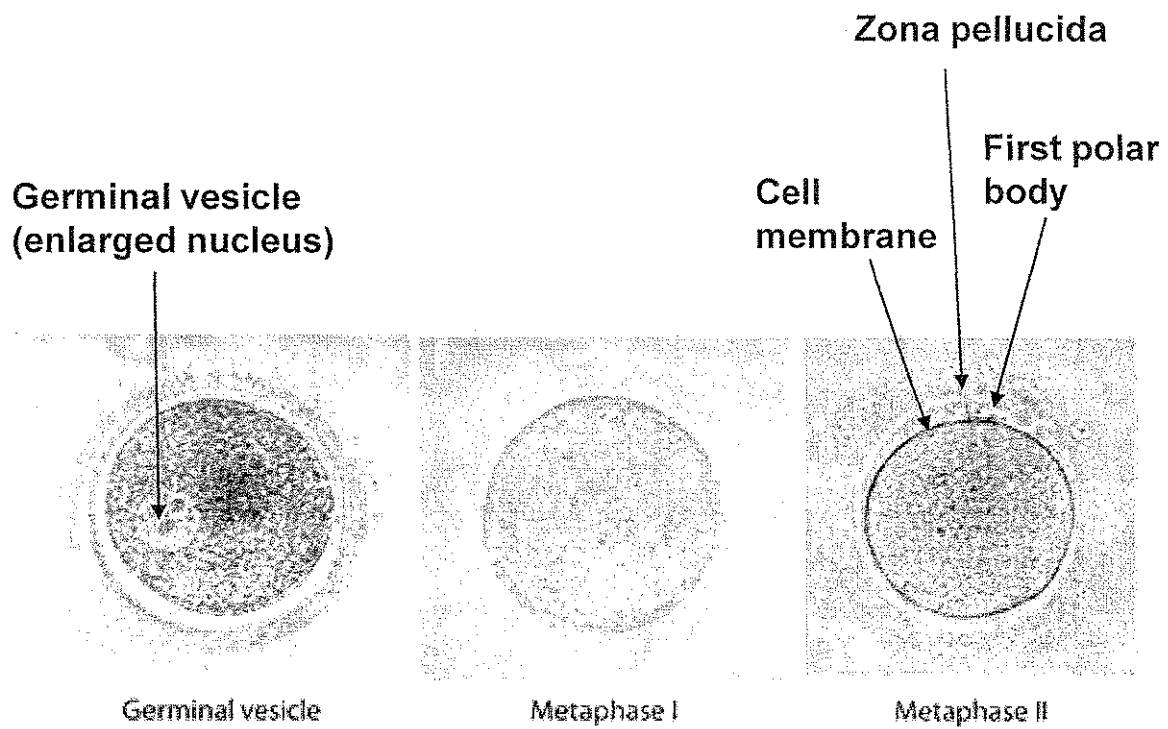


Fig. 14

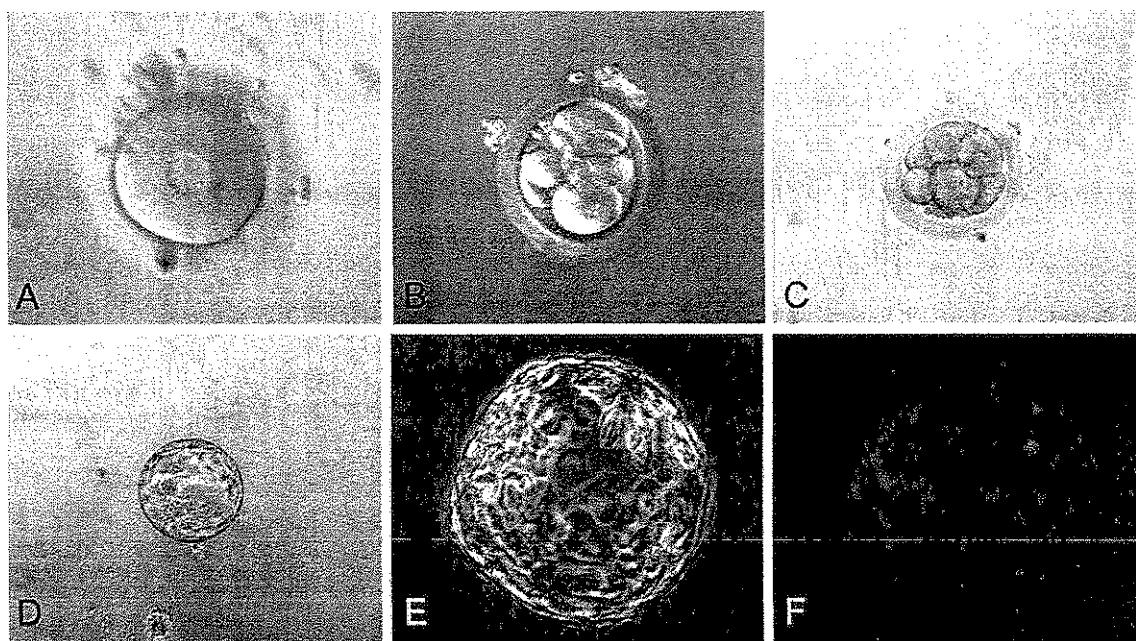


Fig. 15

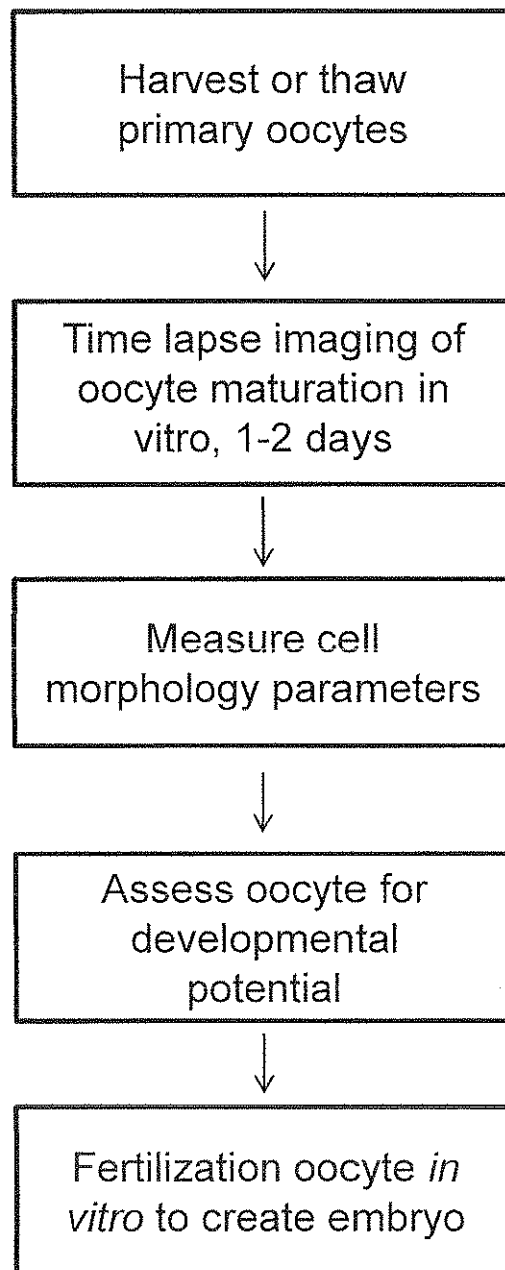


Fig. 16

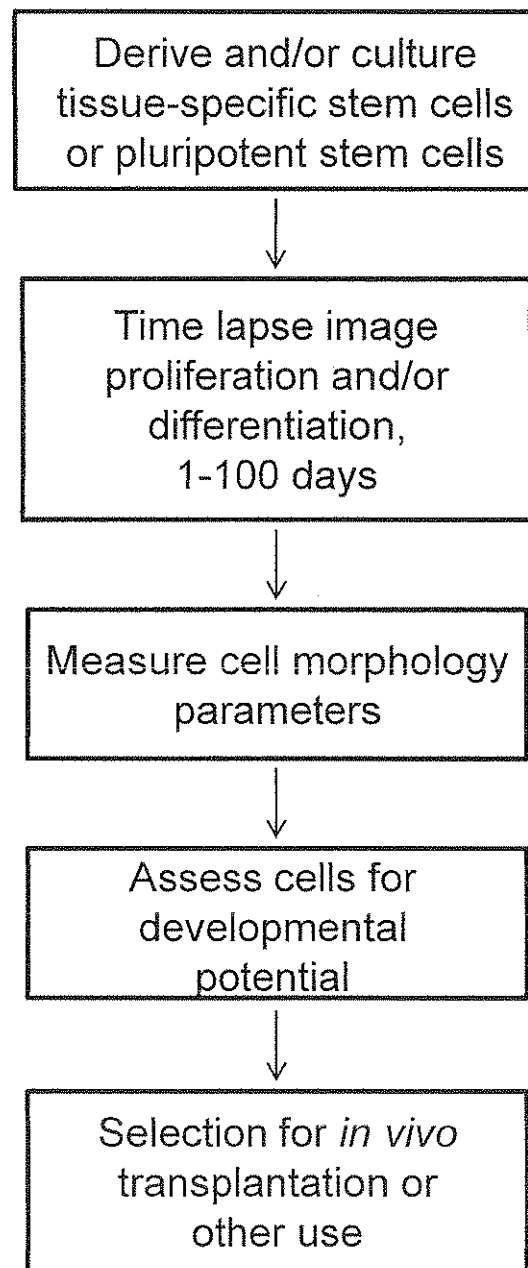


Fig. 17

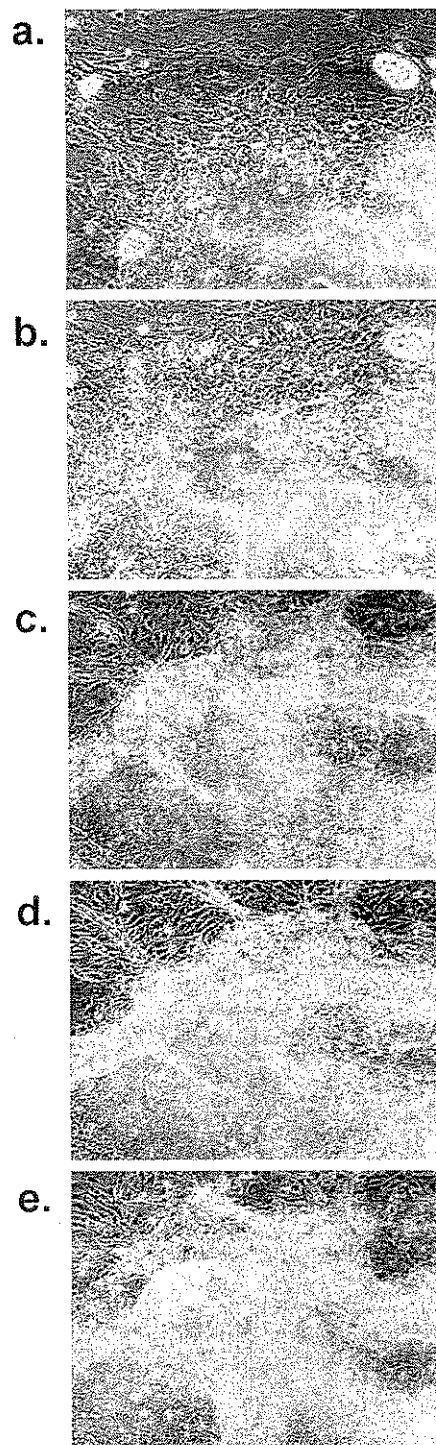
**Fig. 18**

Table 1

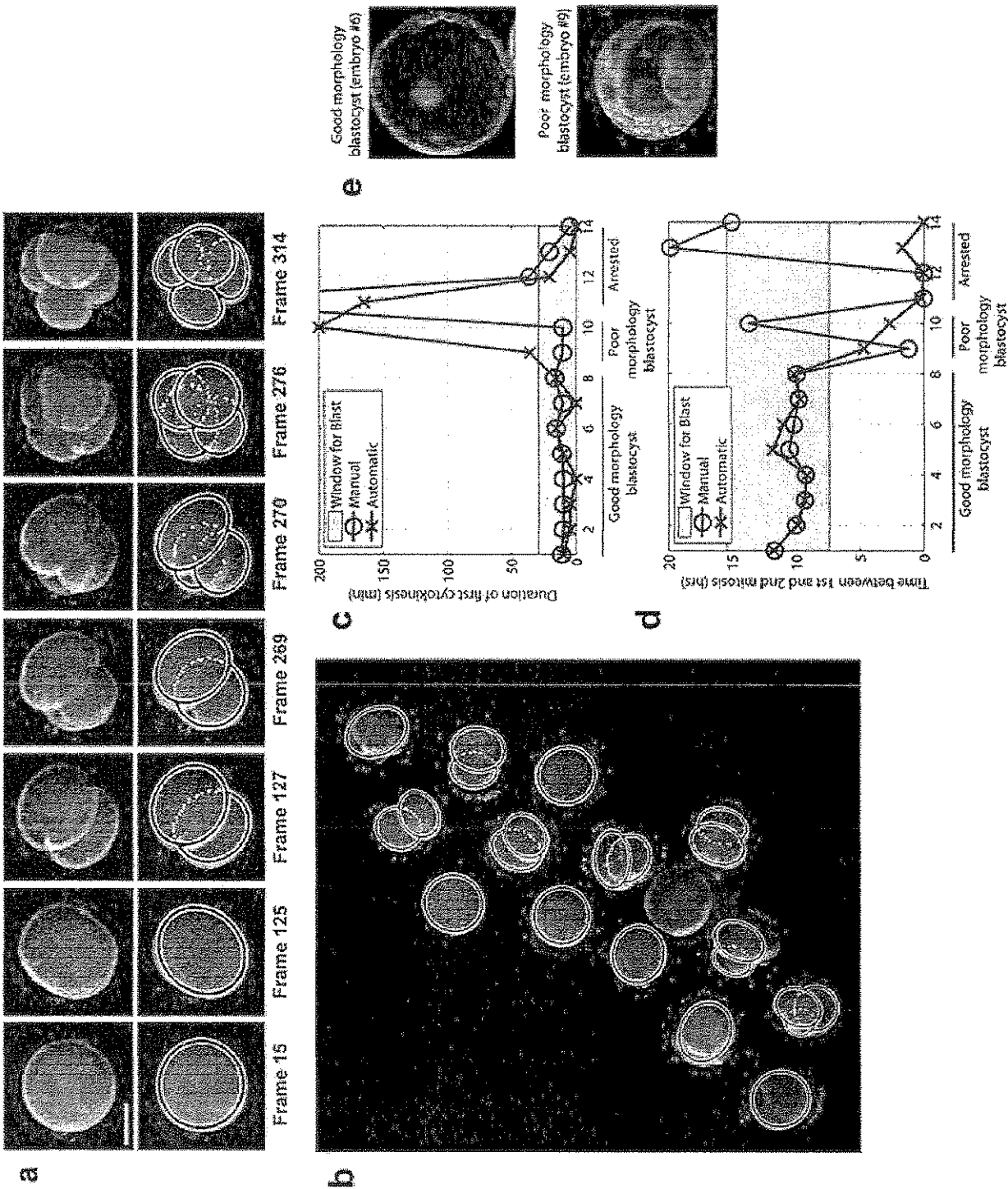
Category	# of genes
Apoptosis	5
Cytokinesis	10
Differentiation	9
Embryonic gene activation	10
Epigenetics	5
Germ cell	9
Housekeeping	10
Ligand / receptor	11
Maternal effect	8
miRNA	5
Pluripotency	7
RNA processing	7
Sex specific	2
TE / ICM	14
Transcription factor	11

Table 2

Pattern 1	Pattern 2	Pattern 4
Anillin	CCNA1	CTK7
ATG5	CCR4	FABP5
ATP2C1	DNM2	FGFR2
Aurora A	EIF1AX	GAPDH
Bclaf1	EIF4A3	HMOX2
Cofilin	EOMES	Hsp70
CPEB1	GDF3	IGF2R
DAZL	GTF2A1	LSM3
Dgcr8	H2AFZ	PABPC1
DIAPH1	JARID1B	PRMT5
DIAPH2	Nanog	RPLPO
Dicer	NES	YY1
DNAJA4	Prdm14	
DNMT3B	PTMA	Undefined
Drosha	RUNX2	ATF4
ECT2	SERPINA1	ATF7IP
EHMT2	SERTAD1	ATF7IP2
EGFR1	SOX2	B2M
FYN	STELLAR	BNC2
GABPB2	YY1	BTF3
GDF9		CDX2
HMOX2	Pattern 3	CTNNB1
HPRT1	B-actin	Dby
HSF1	Bcl2	Hsp70.1
IGF1R	GCM1	PRDM1
IGF2R	HDAC7A	Symplekin
LAMB1	IFITM1	TARBP2
MKLP2	POU5F1	Xist
MYLC2	SALF	
NLRP5	TGFB2	
PARN		
PDCD5		
PVR		
RhoA		
Sycp3		
TACC3		
TAF4		
TBP		
TERT		
VASA		
XPO5		
YBX2		
Zar1		
ZP1		

Figure 20

Figure 21



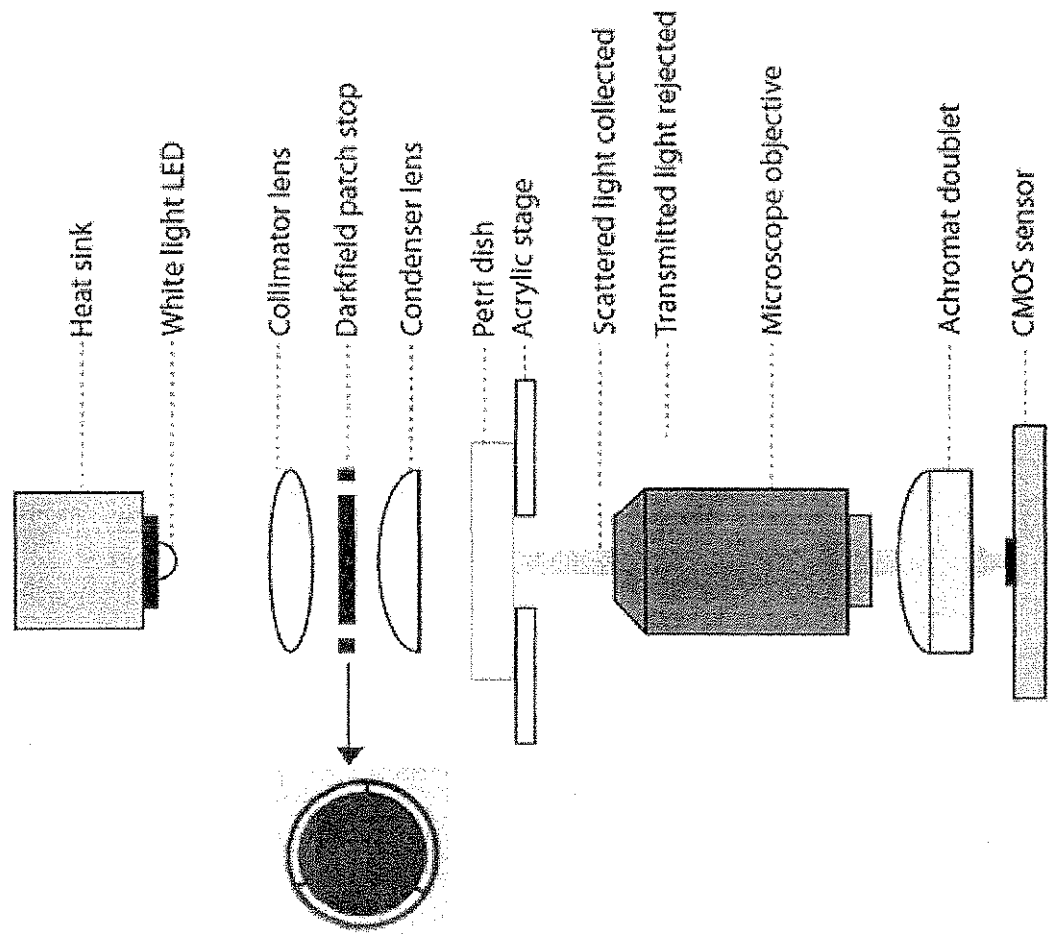
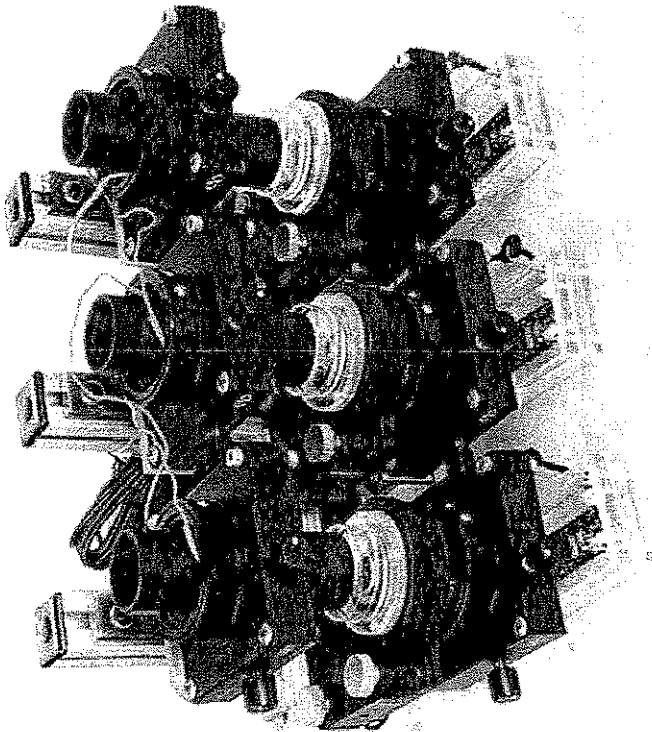
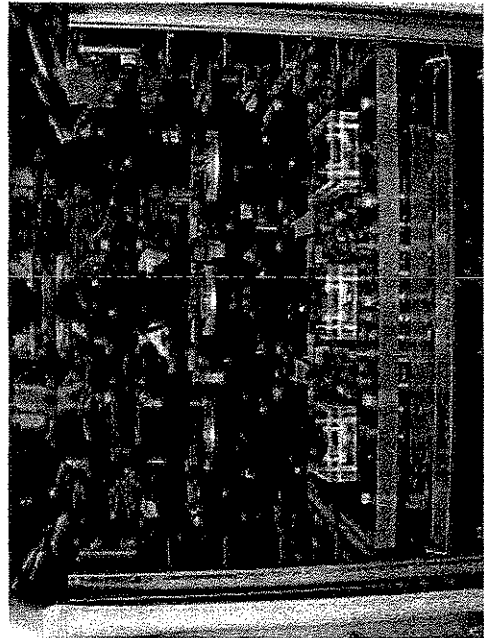


Fig. 22



23A



23B

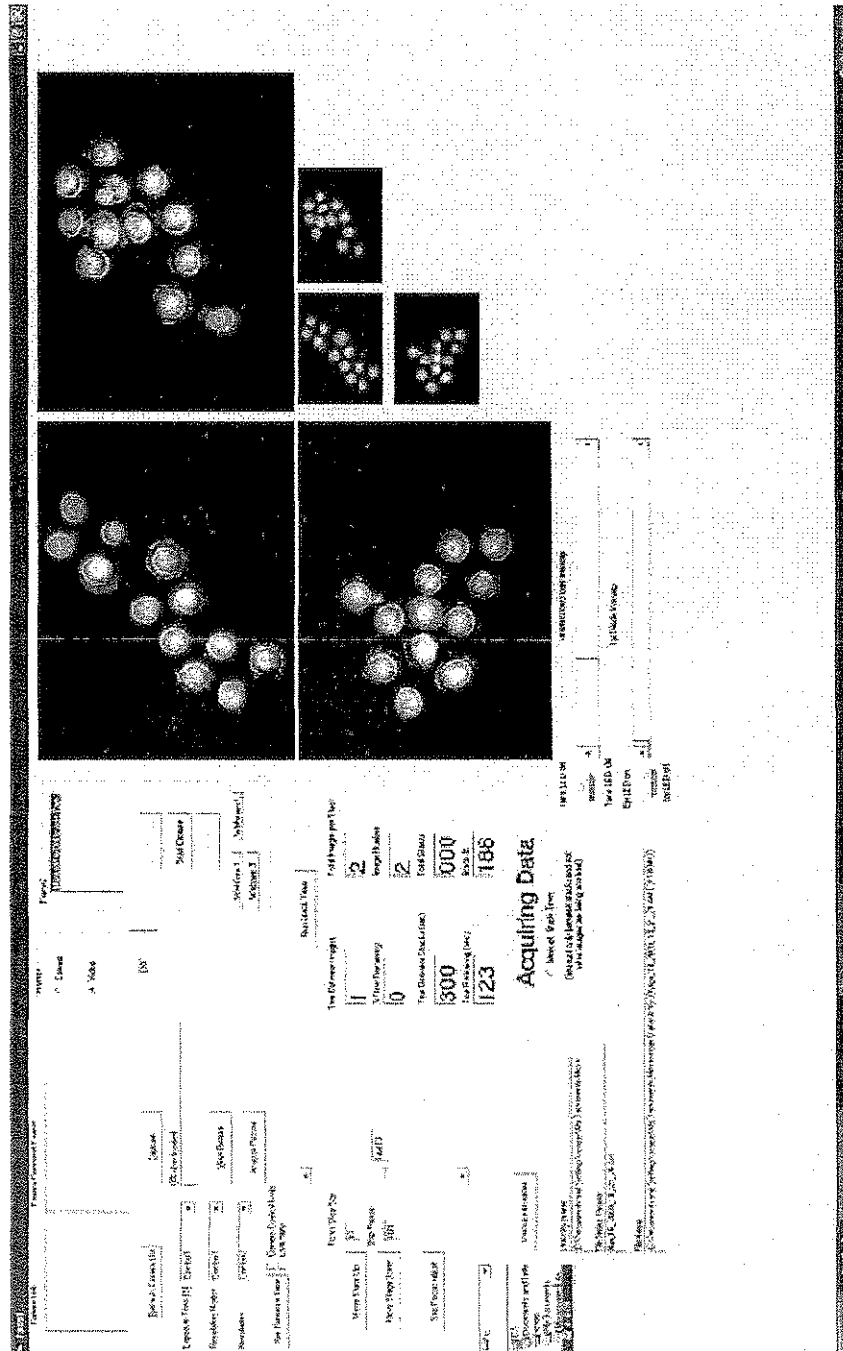


Fig. 24

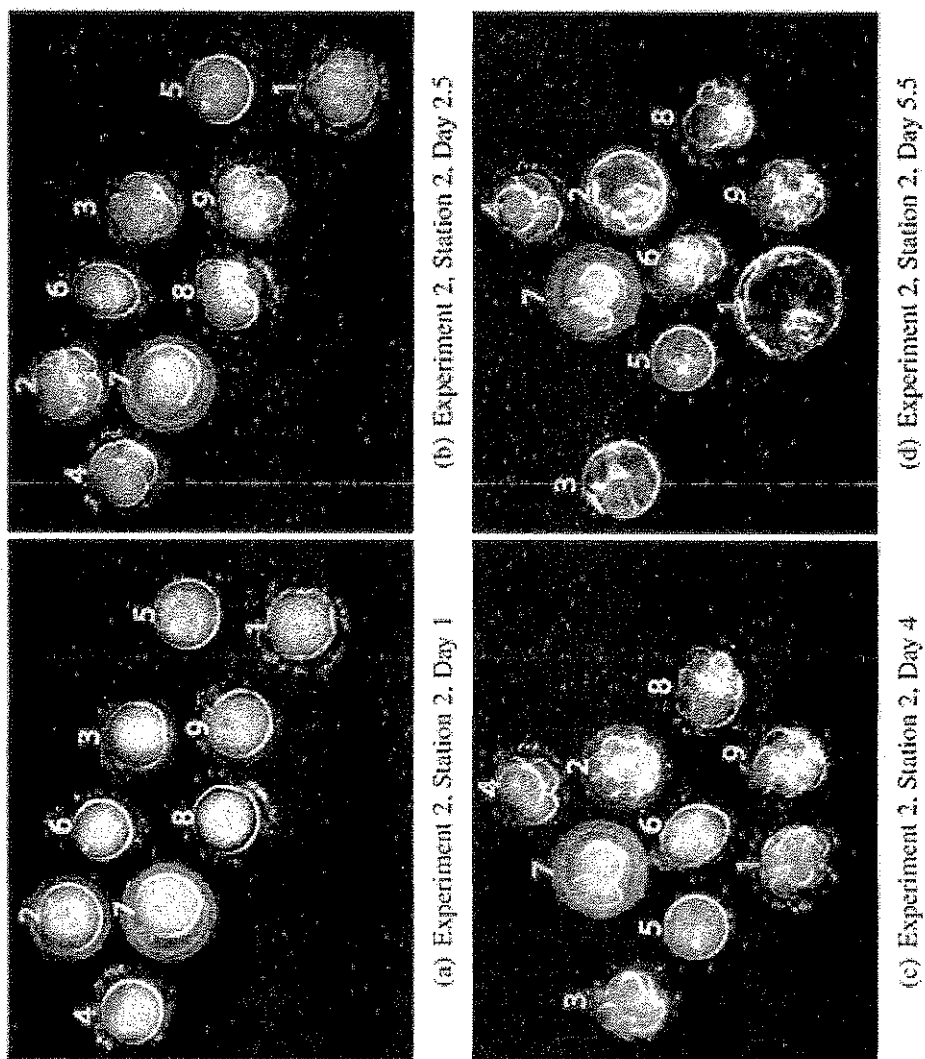


Fig. 25

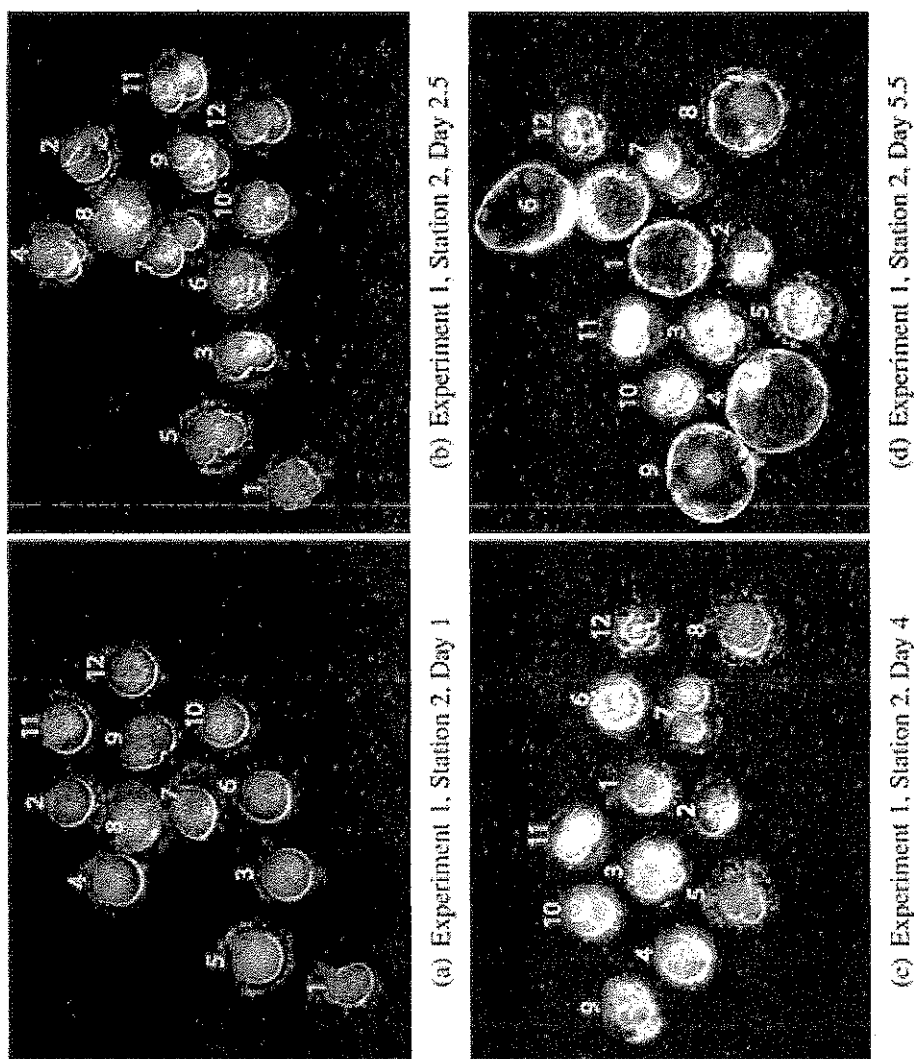
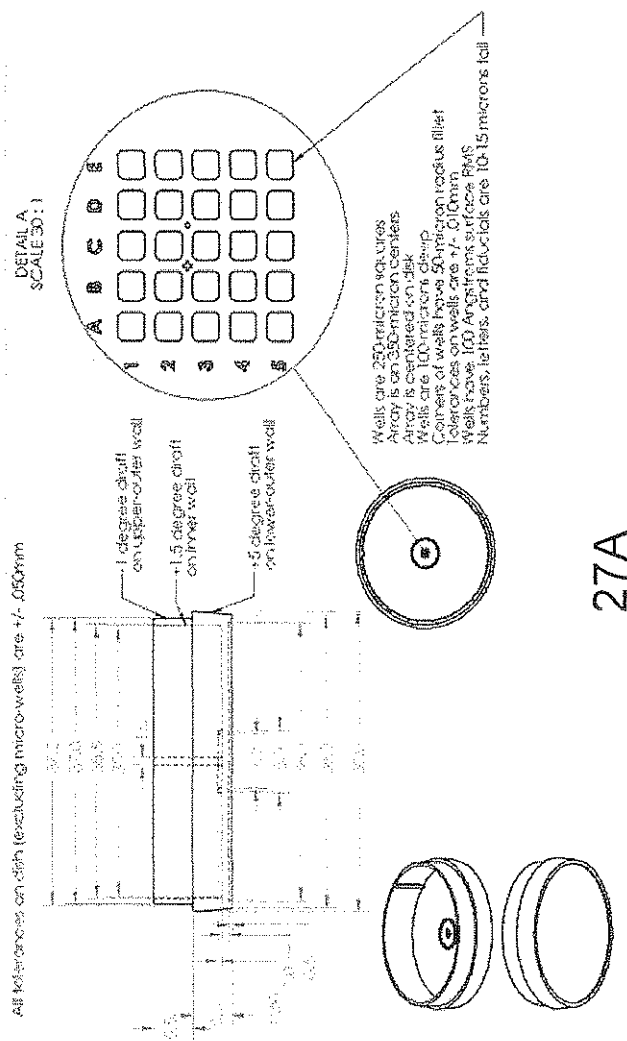
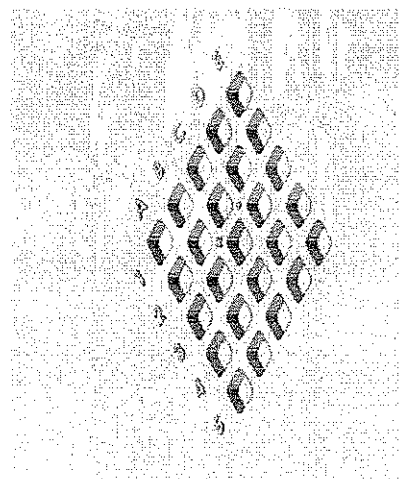
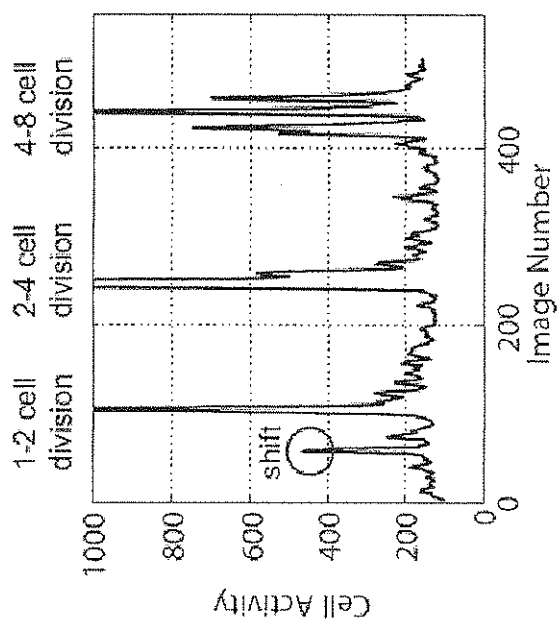


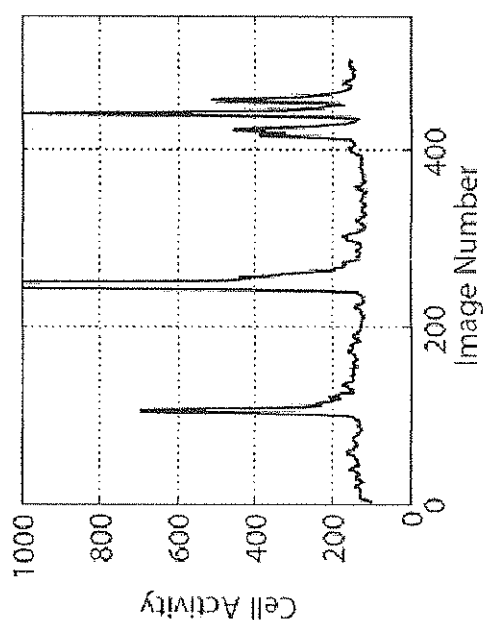
Fig. 26



Fg. 27



(a) Without prior image registration.



(b) With prior image registration.

Fig. 28

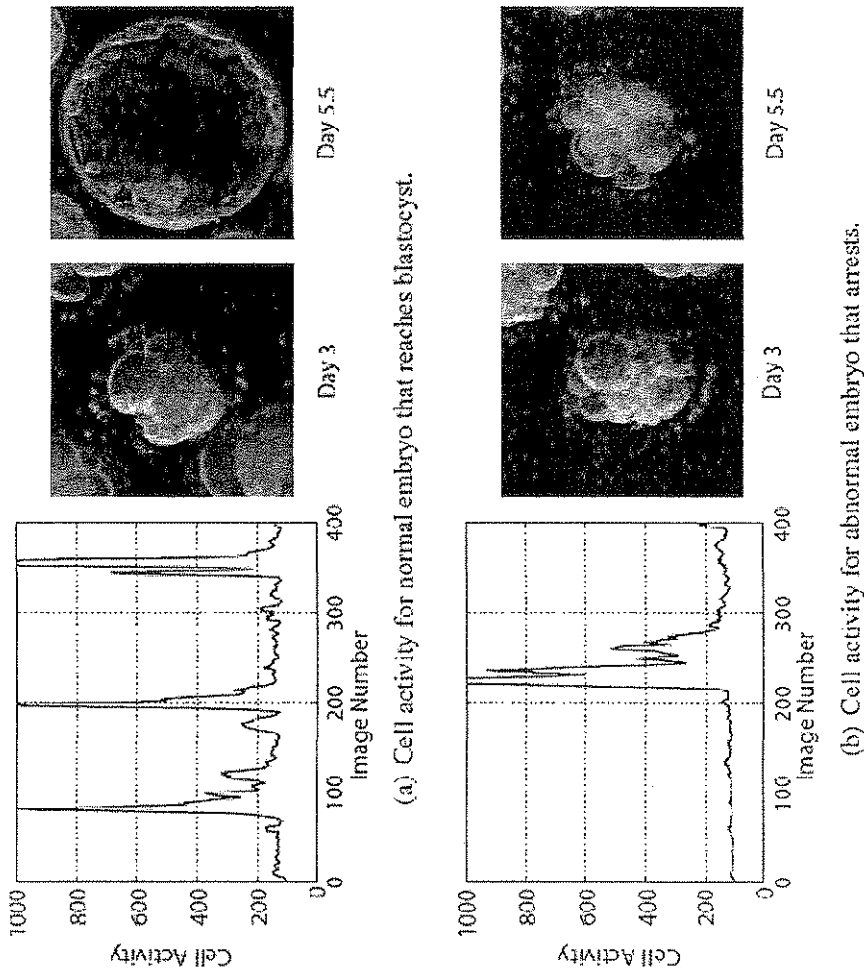


Fig. 29

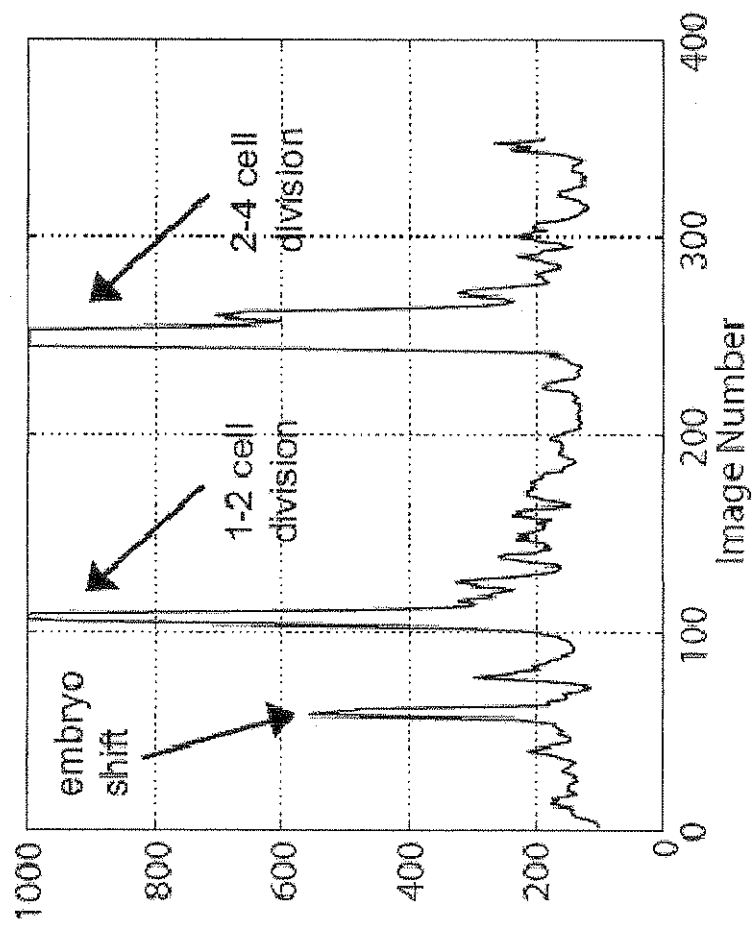


Fig. 30

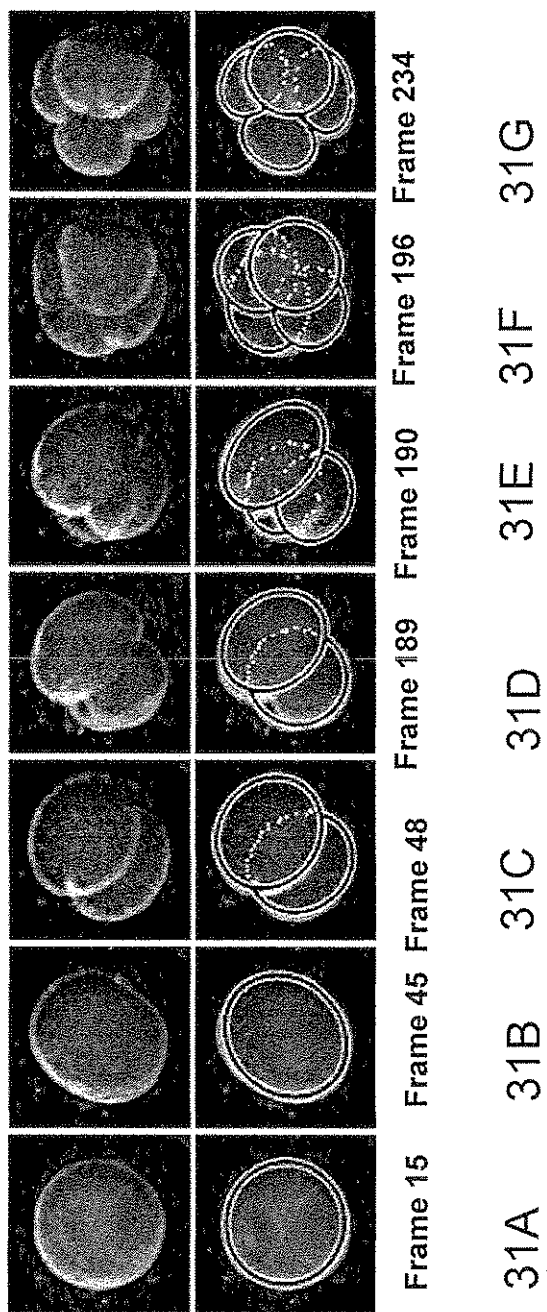
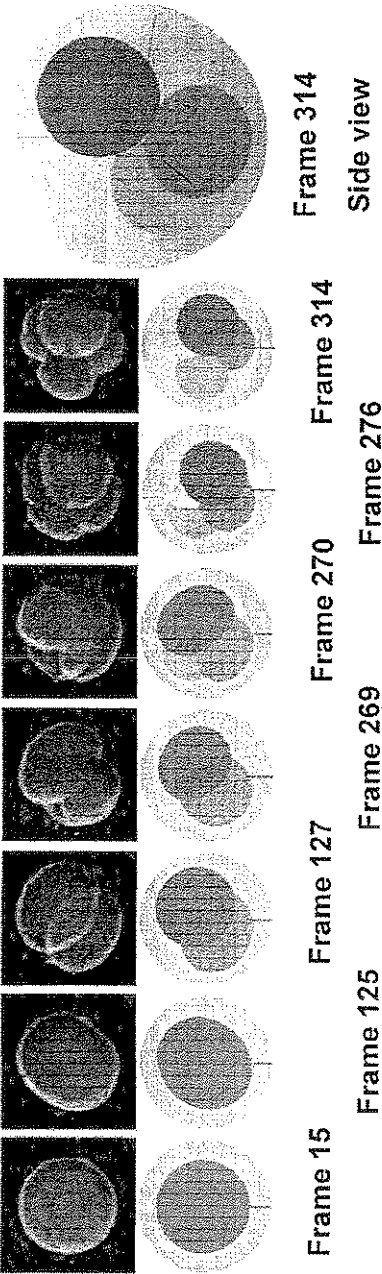
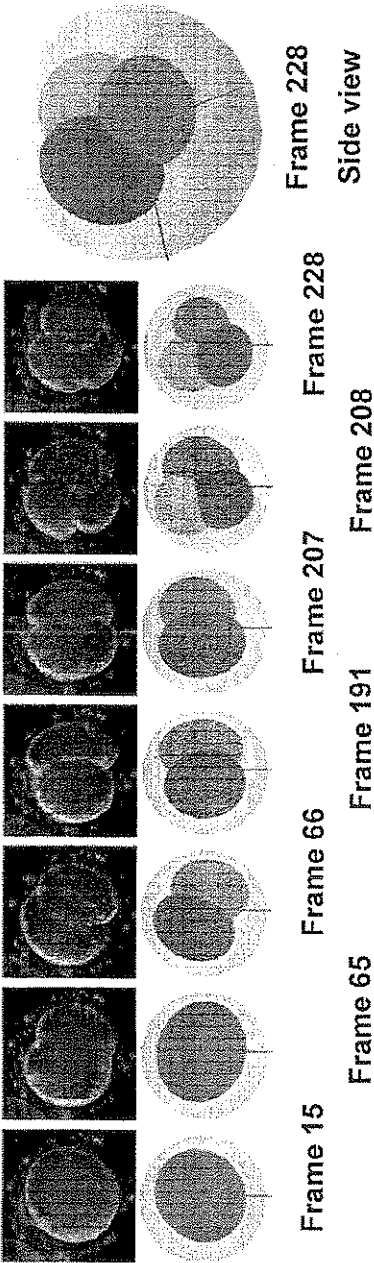


Fig. 31



31A



32B

Fig. 32

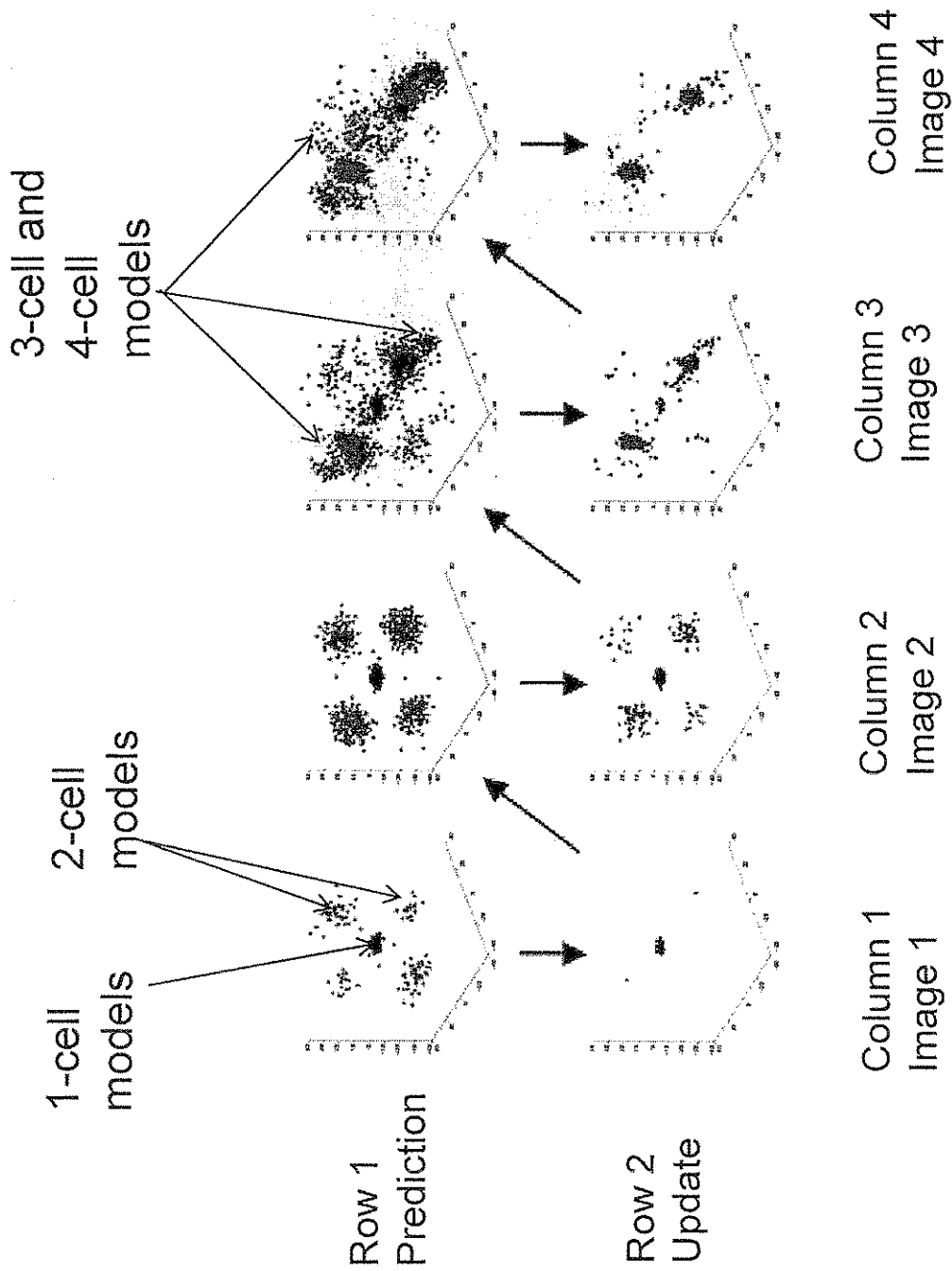


Fig. 33

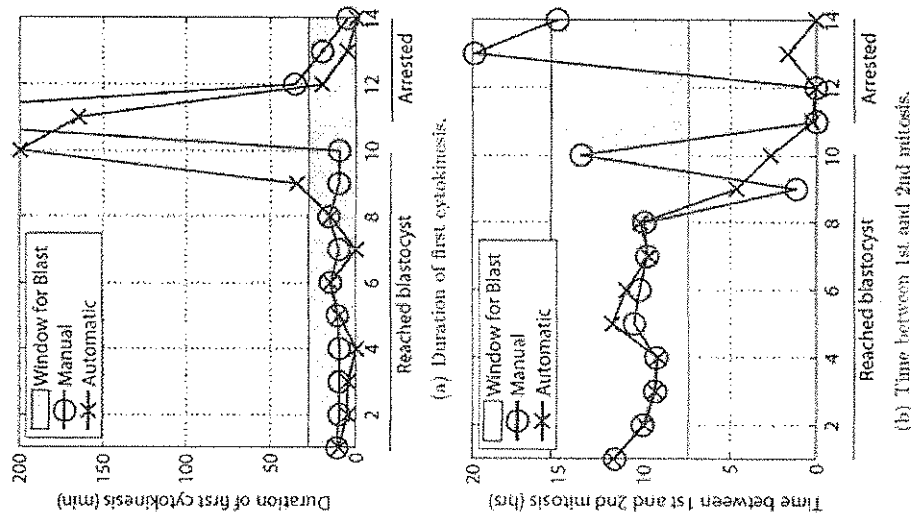


Fig. 34

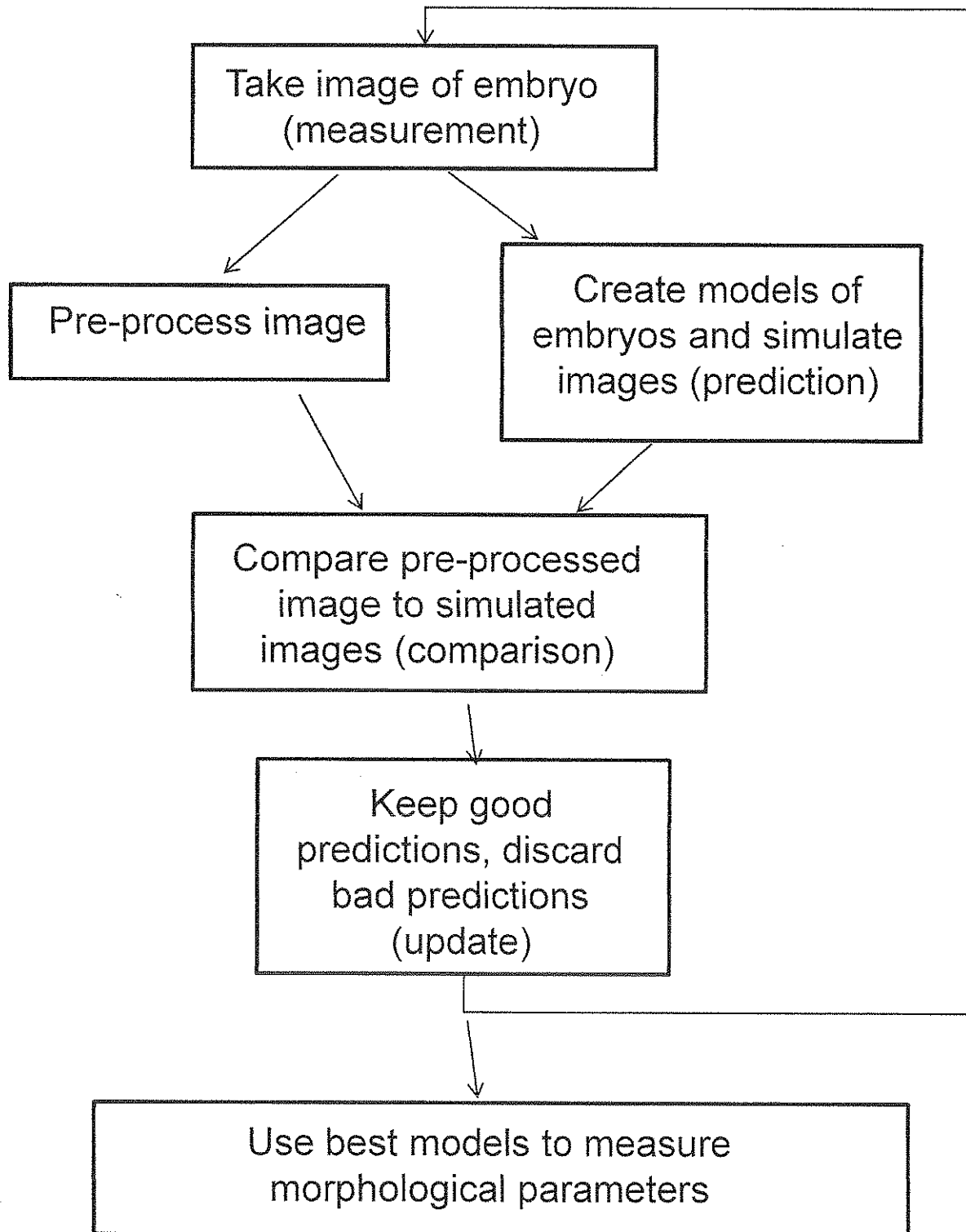


Fig. 35