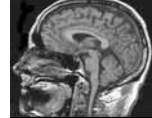
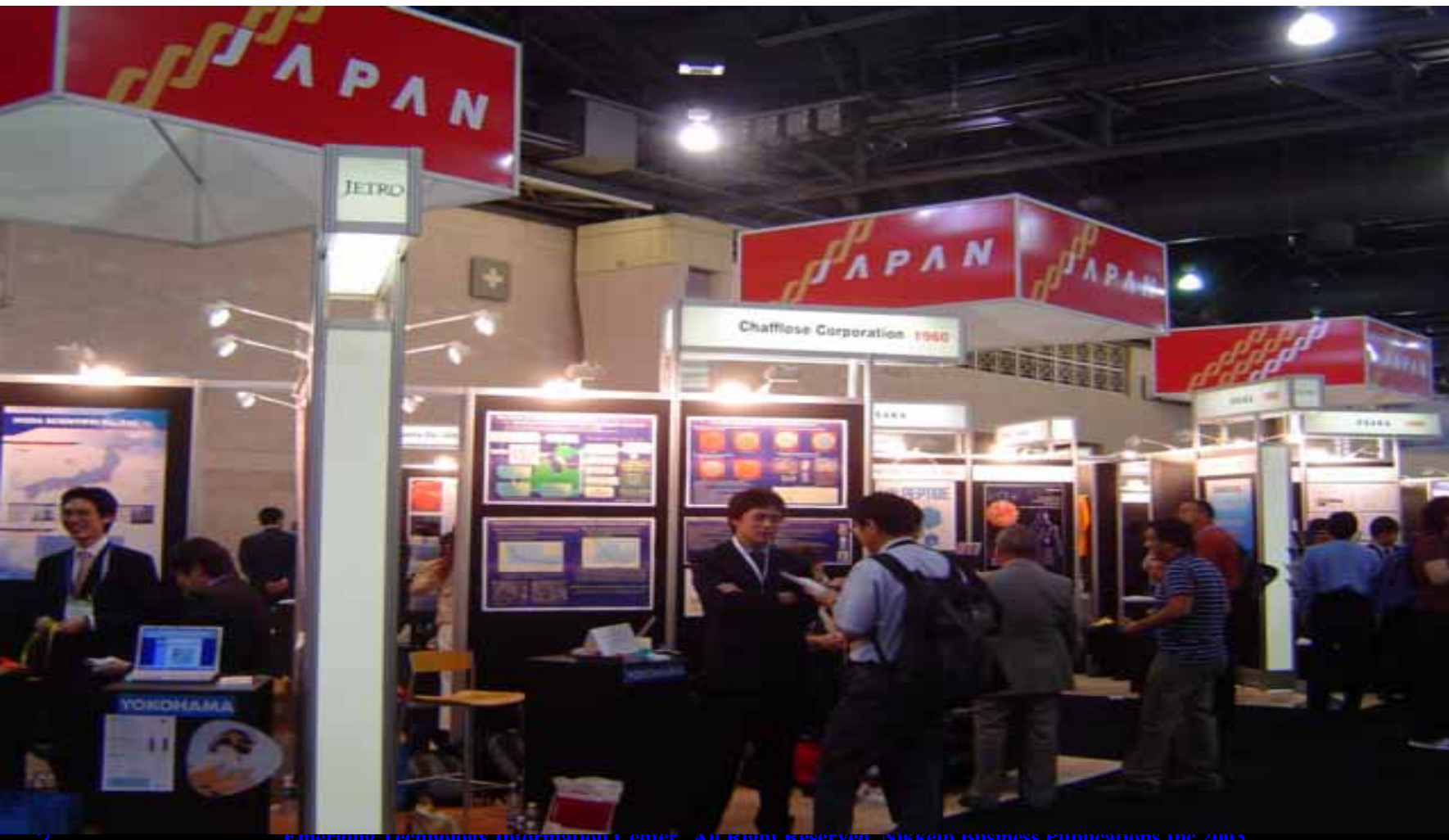


# 「大学発ベンチャーの発展と支援」

日経 B P 社バイオセンター長  
宮田 満



# BIO2005、Philadelphia 世界61力国、1万8000人参加





# 大学にSTEM細胞のGMP施設建設

**GMP for Embryonic Stem Cells**

Must comply with MHRA (in UK) and FDA regulations

*Upstream procedures*

*Clinical governance of embryo research*

- HFEA
- Ethics and consent
  - Reversible anonymisation
  - MRC Stem Cell Steering committee
  - Clear statement of commercial intent
- audit of embryos

*Provenance of embryo*

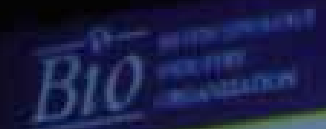
- Health status of couple donating embryo
- verification of proper consenting procedures

*Validation of IVF and embryo culture procedures*

- new EU Tissue transplantation directive
- Human Tissue Agency

University of Sheffield





UCSF  
UNIVERSITY OF CALIFORNIA  
SAN FRANCISCO

UCSF

- ATHENA NEUROSCIENCES\*
- CATALYST BIOSCIENCES
- CHIRON
- CYTOKINETICS
- EPILIAS
- ELI LILLY PHARMACEUTICALS\*\*
- FIVE PRIME THERAPEUTICS
- GENENTECH
- GENETRO
- GENTERIC
- GARDN
- HERMES
- INPRO BIOTECHNOLOGY
- ISLET TECHNOLOGY
- KOSMO
- MEGABIOS
- NEUROSCIENCE SOLUTIONS CORP
- PROTOS
- REGIONS
- SEQUENTIAL\*
- SEGIUS PHARMACEUTICALS
- THURUS CORPORATION

SELECTED FOLLOWING GENERATION TECHNOLOGIES OF CHINA

- DYNAMAR
- GUANA TECHNOLOGIES
- KOSAN BIOSCIENCES
- ONYX

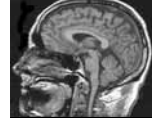
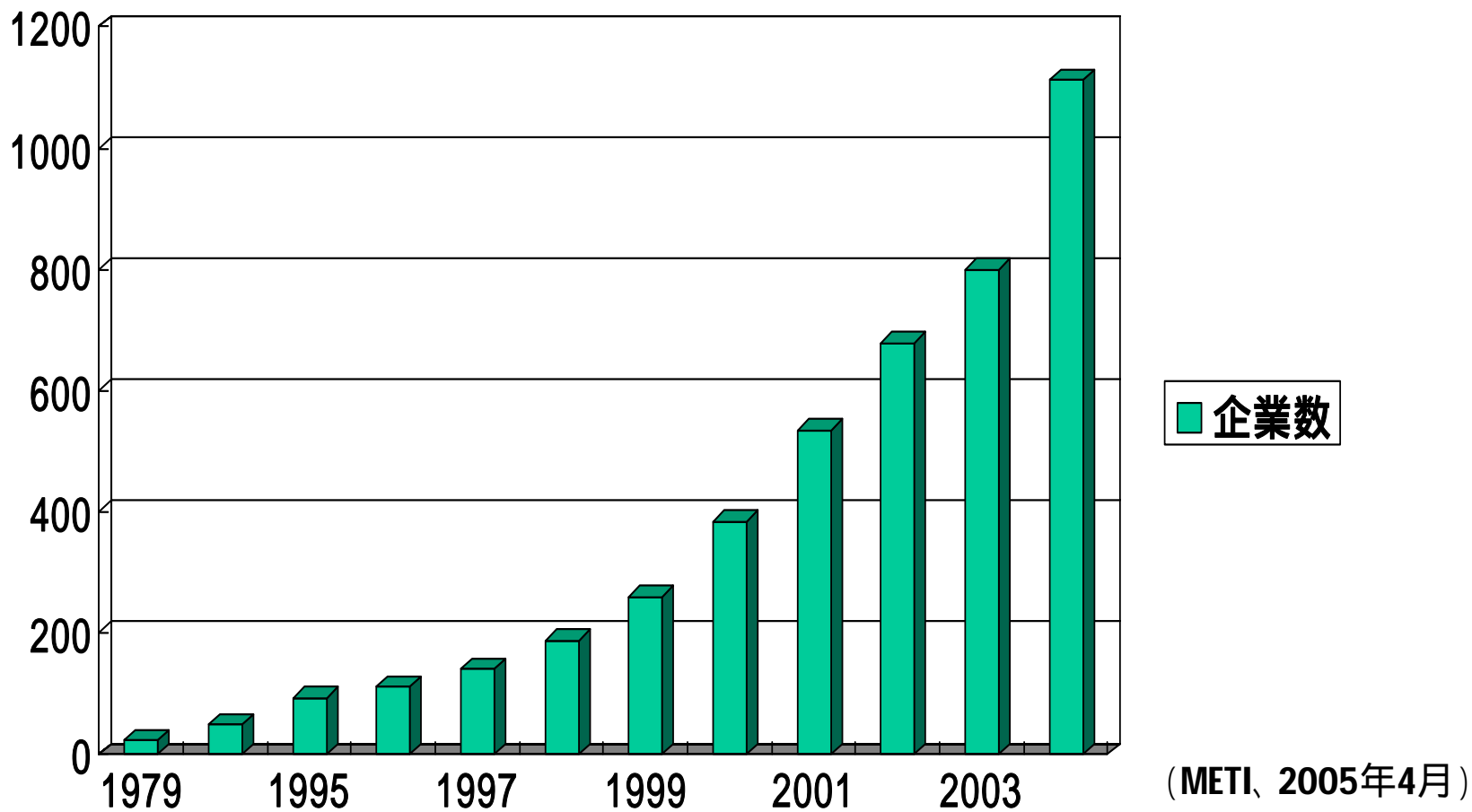
SELECTED FOLLOWING GENERATION TECHNOLOGIES OF SEVENTH OF

- CALIFORNIA BIOTECHNOLOGY CO.†
- CELL GENESIS
- CONNEDCO
- COR THERAPEUTICS\*
- EDS BIOTECHNOLOGY\*
- GENE COR
- MILLENNIUM PHARMACEUTICALS
- MOLECULAR DEVICES
- RAVEN BIOTECHNOLOGY
- RIGEL
- SAGIS
- SENSUS
- TELIK
- TULARIS\*
- VIROLOGIC

SAN FRANCISCO BAY AREA: BASTION OF BIOTECH



# 大学発ベンチャーの推移



# 国立大学法人

- 2004年から実施
- 大学のマインドと組織大混乱
- 競争的資金の増加、運営交付金削減へ
- 研究せざば、滅びる
- 医師主導治験  
2003年7月から

