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# Human cloning company faces stiff competition, legal battles

SAN FRANCISCO (AP) — A testament to the gressiveness of chief executive Michael West, ationship Advanced Cell Technology garnered a whirlwind f publicity with its claim to be the first to clone a

The accomplishment is preliminary, though, nd by no means guarantees success in a tough usiness climate. Competitors claim patents and xclusive commercial rights to cloning and the roduction of human embryonic stem cells — the

timate goal of Advanced Cell. Political opposition is formidable as well. A louse bill criminalizing human cloning awaits ebate in the Senate and President George W. Bush on Monday called Advanced Cell's work your own decision "bad public policy and morally wrong.

In an interview Monday, West defended his ecision to announce the tentative breakthrough. "We didn't have any ulterior motives. We simply wanted to advance science and medicine," Vest said. "I have a sense of urgency, because

with my parents people are dying." no longer dictar Scientists hope they can coax human embryonstem cells to grow into replacement cells to heal e sick and ailing.

But some supporters of stem cell research said West's announcement Sunday in the relatively nknown online journal, e-biomed: The Journal of Regenerative Medicine, may set back progress ince it lacked sufficient scientific data. ner younger brothe

It was not clear whether the embryos Advanced Cell cloned would be capable of growing into a uman being. The embryos died even before any em cells were produced.

Glenn McGee, a University of Pennsylvania ioethicist, resigned from Advanced Cell lechnology's ethics advisory board last year ecause he said West wasn't being public enough with his research.

Now, McGee says West made the opposite miske — too much publicity without any substance. riences were the He suggested West made the announcement ematurely in part to stake a claim to human cloning as its exclusive intellectual property — a ity, these stories charge West denied.

The U.S. Patent Office has rejected previous quests for patents on human cloning. Nonetheless, nology has also he Advanced Cell did receive a patent for technology nvolving non-human mammals in May.

West claims that patent also gives the company exclusive rights to profit from cloning human embryos to obtain "inner cell mass cells," precurearliest days of pregnancy.

If the tiny company survives the political and scientific challenges ahead, it hopes to invoke this patent as it battles other intellectual property claims.

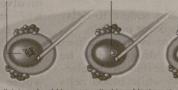
The University of Wisconsin now holds the patent for isolating human embryonic stem cells, and any U.S. company wanting to profit from the science must first get the school's permission.

Geron Corp. funded most of Wisconsin's stem cell research and owns significant and exclusive commercial rights to the work. The exact scope of those rights, however, are the subject of a pending federal lawsuit the university filed against Geron

### A recipe for controversy

Recent efforts to clone a human embryo were meant to develop genetically compatible replacement cells for patients, not human clones, says the company that conducted the experiments.

One method used by the researchers – nuclear transfer – has been successful in cloning sheep and other animals.

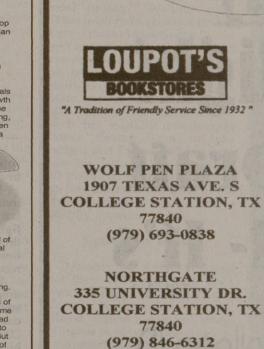


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