

# Physicist Marcelo Gleiser: 'Science does not kill God'

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Theoretical physicist Marcelo Gleiser has been awarded the Templeton Prize

The annual Templeton Prize, which recognizes outstanding contributions to "affirming life's spiritual dimension," was awarded Tuesday to Brazilian Marcelo Gleiser—a theoretical physicist dedicated to demonstrating science and religion are not enemies.

A physics and astronomy professor whose specializations include cosmology, 60-year-old Gleiser was born in Rio de Janeiro, and has been in the United States since 1986.

An agnostic, he doesn't believe in God—but refuses to write off the possibility of God's existence completely.

"Atheism is inconsistent with the scientific method," Gleiser told AFP Monday from Dartmouth College, the New Hampshire university where he has taught since 1991.

"Atheism is a belief in non-belief. So you categorically deny something you have no evidence against."

"I'll keep an open mind because I understand that human knowledge is limited," he added.

The prize is funded by the John Templeton Foundation—a philanthropic organization named after the American Presbyterian who made his fortune on Wall Street, and who set on "seeking proofs of divine agency in every branch of science", as *The Economist* put it.

Gleiser joins Desmond Tutu, the Dalai Lama and dissident Soviet author Aleksandr Solzhenitsyn as recipients of the prize, first awarded in 1973. At £1.1 million (\$1.5 million), the prize money well surpasses that of the Nobels.

The physicist focuses on making complex subjects accessible. He has written on climate change, Einstein, hurricanes, black holes, the human conscience—tracing the links between the sciences and the humanities, including philosophy.

The author of five English-language books and hundreds of blog and press articles in the US and Brazil, Gleiser has also explored in depth how science and religion both try to respond to questions on the origins of life and the universe.

"The first thing you see in the Bible is a story of creation," he said. Whatever your religion, "everybody wants to know how the world came to be."

This fundamental curiosity unites science and religion, though each provides very different answers: science has a methodology, where hypotheses are eliminated.

"Science can give answers to certain questions, up to a point," Gleiser pointed out.

"This has been known for a very long time in philosophy, it's called the problem of the first cause: we get stuck," the physicist, a father of five, said.

"We should have the humility to accept that there's mystery around us."

### **Scientific arrogance**

So, what does he think of people who believe that the Earth was created in seven days?

"They position science as the enemy ... because they have a very antiquated way of thinking about science and religion in which all scientists try to kill God," he said.

"Science does not kill God."

On the other hand, he accuses the "new atheists" of doing a disservice to science by making an enemy out of religion: notably British scientist Richard Dawkins—who called for the arrest of Pope Benedict XVI over pedophilia in the Catholic Church—and the late journalist Christopher Hitchens, who criticized Mother Theresa.

For Gleiser, who grew up in Rio's Jewish community, religion is not just about believing in God: it provides a sense of identity and community

"At least half of the world population is that way," he said.

"It's extremely arrogant from scientists to come down from the ivory towers and make these declarations without understanding the social importance of belief systems."

"When you hear very famous scientists making pronouncements like ... cosmology has explained the origin of the universe and the whole, and we don't need God anymore. That's complete nonsense," he added.

"Because we have not explained the origin of the universe at all."

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