

of biblical creation, might instead endorse intelligent design.

Speculation increased last month when Schönborn announced that creation and evolution would be the topic of the Pope's annual retreat, to be held in Castel Gandolfo near Rome. As a former cardinal and German theology professor, Joseph Ratzinger has long held this informal gathering, where he discusses a hot topic with his past students. But the retreat has taken on new significance since Ratzinger became Pope.

Bruce Chapman, president of the Discovery Institute in Seattle, Washington, which represents the intelligent-design movement, welcomed the choice of topic in a press release published on the institute's website last week. In it he wrote: "What's good about all this is that they're taking up the issue seriously...it will be conducted at a very high level and I think it should give cheer to people who are critics of Darwinism."

Schönborn was one of four invited speakers at the meeting, which also included Robert Spaemann, a conservative German philosopher, and Paul Erbrich, a Jesuit priest who questions the random nature of evolution. The fourth speaker, the only working scientist present, was Peter Schuster, a molecular biologist and president of the Austrian Academy of Sciences.

In a break with tradition, the proceedings of the meeting will be published later this year, says Schuster, with a preface written by the Pope. The message will be to promote dialogue between faith and reason, Schuster says. Given the power struggles within the Church,

however, the precise outcome of the overall debate is impossible to predict, he says: "We have to wait."

But discussions at the meeting suggest that the Church will probably affirm a form of theistic evolution, which posits the general principle that biological evolution is valid, although set

in motion by God. At the same time, it seems likely to reject the fundamental intelligent-design principle that God was a watchmaker, intervening in the details. "Intelligent design as an intervention of God during evolution will not be an outcome," predicts Schuster. "I got the impression that there was general agreement that

evolutionary biology is a undeniable science and not a hypothesis."

The Pope in particular "immediately accepted that theology is not going to interfere with science", Schuster adds. "He is not a scientist, but I was surprised by the sharpness of his intellect. He wanted to be informed; he was very interested in science."

But although there is likely to be agreement that the Church should not attempt to question the basic theory of evolution, those at the meeting were also adamant that science should not stray into theology. Schuster says there was a wide desire to address the Church's concern that darwinism is being extrapolated as a wider metaphysical stance. This argues that we are random products of evolution, and that there is therefore no need for God. "I agree that, as in science, everyone should stay within their realms of competence," says Schuster. ■

Declan Butler

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basis. "We get a simple, yes/no; we never know why." Particular nationalities aren't officially banned, he says, although he adds: "In the current political context, I can imagine Iran might be more sensitive."

The United Nations Security Council set a deadline of last week for Iran to suspend uranium enrichment activities, which it suspects are part of a programme to develop nuclear weapons. Iran ignored the deadline and, failing last-ditch

negotiations this week, the council is set to impose economic sanctions on the country.

International isolation in similar situations has in the past spared scientific cooperation. Indeed, during the cold war, contact between scientists was one of the few channels open between East and West. But Reza Mansouri, a well-known Iranian physicist based at the Sharif University of Technology in Tehran, complains that his

"In the long term, the best scientists will continue to collaborate with Iranian scientists."

ON THE RECORD

"They are wanted to be kissed. This is the reason why the two young ladies are invited."

Igor Tkatchenko, vice-chairman of the French Chemical Society, bringing on stage two women chemists who got honourable mentions at the European Young Chemist Awards in Budapest.



"I could argue the case with hand puppets and win."

Attorney David Bookbinder on the argument that the US Environmental Protection Agency should restrict emissions of greenhouse gases.

"ETs...could also be creatures of God."

Father Jose Funes, new director of the Vatican Observatory, ponders the nature of intelligent life elsewhere in the Universe.

NUMBER CRUNCH

15% of HIV-positive people in the world live in India.

0.9% of Indian adults have HIV.

64% of Indian lawmakers believe HIV can be passed on by sharing clothes with an infected person.

SCORECARD

Iraq archaeology
He stayed longer than many Iraqi academics, but Donny George, the country's most prominent archaeologist, has finally given up. George was known for his efforts to recover antiquities looted after the war in 2003. But he has now resigned and fled to Syria, citing security problems and lack of funding.

Blue skies research
Scientists in Britain will need to fight a little harder to justify their funding. UK research councils will now include wealth creation experts on all funding panels, to help judge which projects deserve to receive the money.

Sources: San Francisco Chronicle, Indian Catholic, Indian Association of Parliamentarians, UNAIDS

SIDELINES