“Why Would an E.T. Have to Have a Biology Like Ours?”

Love your ministry. Keep up the good work! Just a question on your article UFOs and Alien Beings…

You wrote:

> *In the first place, it is highly improbable that there is another planet in our cosmos capable of supporting physical life. Dr. Ross has calculated the probability of such a planet existing by natural processes alone as less than 1 in 10^{174}.*

My question would be: Why would one assume that an E.T would have to have biological mechanism that functions as you and I? Is it possible they can have a body that is not limited or constrained to “our” conditions here on planet earth?

You asked a good and frequent question. Actually complex life would have to be of similar chemistry as us. It turns out that carbon is the only element capable of forming the diversity of bonds and molecules that would allow life. Carbon can form bonds to four other atoms, including hydrogen, oxygen, and nitrogen as well as others. These bonds can serve as the basis for numerable molecules which life depends on. Since other life would necessarily be carbon based, there would also be requirements for water, oxygen, carbon dioxide, phosphorous, sulfur, etc. Eventually life’s chemistry would be similar to our own and intelligent life would have to be similar to us.

Respectfully,

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